

TRI-SERVICE PAVEMENTS WORKING GROUP (TSPWG) MANUAL

Aircraft Classification Ratings (ACR) and Aircraft Classification Numbers (ACN) For US DoD and NATO Operations

**Standard-Related Document For AEP-46,
STANAG 7131**



TRI-SERVICE PAVEMENTS WORKING GROUP MANUAL (TSPWG M):

**Aircraft Classification Ratings (ACR) and Aircraft Classification Numbers (ACN)
For US DoD and NATO Operations**

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FOREWORD

This Tri-Service Pavements Working Group Manual (TSPWG M) supplements guidance found in other NATO Criteria, NATO Standardization Agreement, NATO Allied Engineering Publications, Unified Facilities Criteria, Unified Facility Guide Specifications, Defense Logistics Agency Specifications, and Service specific publications. All construction outside of the United States is also governed by Status of Forces Agreements (SOFA), Host Nation Funded Construction Agreements (HNFA), and/or Bilateral Infrastructure Agreements (BIA.) Therefore, the acquisition team must ensure compliance with the most stringent of the TSPWG Manual, the SOFA, the HNFA, and the BIA, as applicable. This manual provides guidance on Aircraft Classification Ratings (ACR) and Aircraft Classification Numbers (ACN) For US DoD and NATO Operations. The information in this TSPWG Manual May reference technical publications found on the Whole Building Design Guide, WWW.WBDG.ORG, and Defense Technical Information Center (DTIC), <https://www.dtic.mil/home>. It is not intended to take the place of NATO or service specific doctrine, technical orders (TOs), field manuals, technical manuals, handbooks, Tactic Techniques or Procedures (TTPs), NATO Directives, NATO Standardization Agreements, NATO Allied Publications or contract specifications but should be used along with these to help ensure pavements meet mission requirements.

TSPWG Manuals are living documents and will be periodically reviewed, updated, and made available to users as part of the Services' responsibility for providing technical criteria for military construction, maintenance, repair, or operations. Headquarters, U.S. Army Corps of Engineers (HQUSACE), Naval Facilities Engineering Command (NAVFAC), and Air Force Civil Engineer Center (AFCEC) are responsible for administration of this document. Technical content of this TSPWG Manual is the responsibility of the Tri-Service Pavements Working Group (TSPWG). Defense agencies should contact the preparing activity for document interpretation. Send recommended changes with supporting rationale to the respective service TSPWG member or NATO Representative to the Airfield Pavements STANAG Drafting Group.

TSPWG Manuals are effective upon issuance and are distributed only in electronic media from the following source:

- Whole Building Design Guide web site <http://dod.wbdg.org/>.

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**TRI-SERVICE PAVEMENTS WORKING GROUP MANUAL (TSPWG M)
NEW SUMMARY SHEET**

Document: TSPWG Manual 3-260-03.24-03, *Aircraft Classification Ratings (ACR) and Aircraft Classification Numbers (ACN) For US DoD and NATO Operations*.

Superseding: None

Description: ICAO adopted Amendment 15 to Annex 14, which updates the international method of reporting pavement strengths with the Aircraft Classification Rating-Pavement Classification Rating (ACR-PCR) method. The ACR number for any aircraft can be compared to the PCR number of a pavement structure. This manual provides tables with ACR and ACN values for aircraft which may operate on airfields utilized, constructed, maintained, or controlled by the US DoD, NATO, or their allies.

Reason for Document: The purpose of this Technical Manual is to publish aircraft ACR and ACN data for both military and civil aircraft in accordance with the ICAO ACR-PCR system.

Unification Issues

None.

Note: The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Department of Defense (DOD).

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CHAPTER 1 INTRODUCTION

1-1 BACKGROUND

International Civil Aviation Organization (ICAO) adoption of Amendment 15 to Annex 14, with implementation date of Nov 2024, requires airfields to utilize the Aircraft Classification Rating - Pavement Classification Rating (ACR-PCR) method to report and manage pavement strengths and airfield traffic. ACR varies according to aircraft weight and configuration (e.g. tire pressure, gear geometry, etc.), pavement type, and subgrade strength. The ACR number for any aircraft can be compared to the PCR number of a pavement structure.

1-2 PURPOSE

The purpose of this Technical Manual is to publish aircraft ACR data for both military and civil aircraft in accordance with the ICAO ACR-PCR system.

1-3 SCOPE

This TSPWG manual provides tables with ACR and ACN values for aircraft which may operate on airfields utilized, constructed, maintained, or controlled by the US DoD, NATO, or their allies.

1-4 ACR - ACN TABLES

Four annexes containing AIRCRAFT CLASSIFICATION RATING (ACR) TABLES and AIRCRAFT CLASSIFICATION NUMBER (ACN) TABLES are in Appendix A.

1-5 BEST PRACTICES

Information concerning best practices is in appendix B.

1-6 REFERENCES

Appendix C contains a list of references used in this document. The publication date of the code or standard is not included in this document. Unless otherwise specified, the most recent edition of the referenced publication applies.

1-7 GLOSSARY

Appendix D contains acronyms, abbreviations, and terms.

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CHAPTER 2 ACR-PCR SYSTEM OVERVIEW

2-1 GENERAL

The ACR-PCR is a system for reporting the airfield pavement bearing strength. the International Civil Aviation Organization (ICAO) Doc. 9157-AN/901, Part 3, *Aerodrome Design Manual* and the FAA Advisory Circular AC 150/5335-5D titled *Standardized Method of Reporting Airport Pavement Strength – PCR* outline requirements for the ACR-PCR system. The definitions of Aircraft Classification Rating (ACR) and Pavement Classification Rating (PCR) presented in AC 150/5335-5D are:

- ACR: A number that expresses the relative effect of an aircraft at a given configuration on a pavement structure for a specified standard subgrade strength. The ACR number is calculated using aircrafts characteristics.
- PCR: A number that expresses the load carrying capacity of a pavement for unrestricted operations.

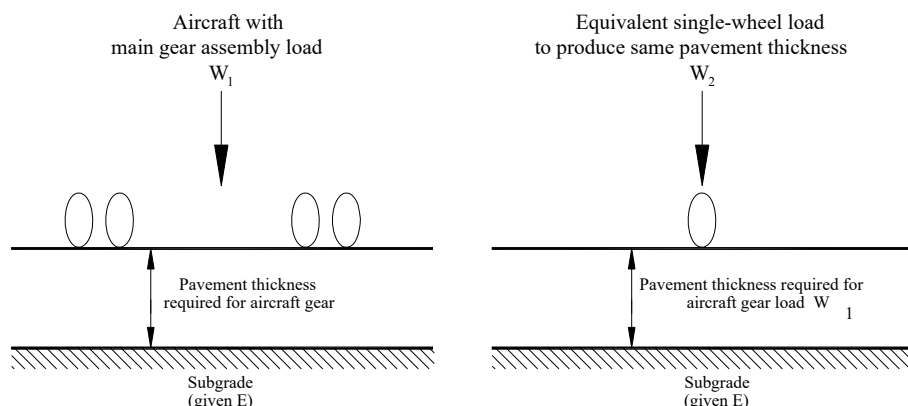
ACR and PCR values are computed using the same pavement structural analysis theory. Thus, a pavement with a particular PCR value can support an aircraft that has an ACR value equal to or less than the pavement's PCR value.

2-2 AIRCRAFT CLASSIFICATION RATING (ACR)

The ACR represents the relative structural impact of a particular aircraft on different pavement types for specified standard subgrade strengths, expressed in terms of the modulus of elasticity (E). This is accomplished by expressing the required pavement thickness for an individual aircraft in terms of the equivalent single wheel load that would be needed to produce that same pavement thickness (see Figure 2.1). To standardize the ACR calculation for AC pavements, the derived single wheel load is calculated at a constant pressure of 218 psi (1.5 MPa) relative to a total thickness "t" computed for 36,500 passes of the aircraft. To standardize the ACR calculation for rigid pavements, a standard stress is stipulated as 399 psi (2.75 MPa).

The magnitude of the equivalent single wheel load (expressed in Mg) multiplied by two expressed in hundreds of kilograms is the ACR. Higher ACR values indicate the aircraft would have a more severe effect on a pavement, whereas lower values indicate a less severe effect. However, granular subgrade soils with higher modulus of elasticity values, and thus stronger support conditions, will produce a lower ACR than those with weaker support conditions. ACRs have a minimum value of 0 with no upper limit.

Figure 2-1 Aircraft Classification Rating (ACR) Equivalent Single Wheel Load



Aircraft manufacturers provide official computation of an ACR value. Computation of the ACR requires detailed information on the operational characteristics of the aircraft, such as center of gravity, maximum ramp weight, wheel spacing and tire pressure. The FAA developed a software application, ICAO-ACR 1.3 that calculates ACR values using the procedures and conditions specified by ICAO. Figure 2.2 is a screen shot of the software that shows the ACR values for AC pavements for the B737-400.

Figure 2-2 FAA ICAO-ACR 1.3 Values for the Boeing 737-400 Aircraft.

The screenshot shows the ICAO-ACR 1.3 software interface. The title bar indicates 'ICAO-ACR Version 1.32 Date December 9, 2020'.
 On the left, the 'Input Data' section includes:
 - Pavement Type: ☒ Flexible, ☐ Rigid
 - Gross Weight (lbs): 150,500
 - Percent GW: 0.938
 - Number of Wheels: 4
 - Tire Pressure (psi): 185.00
 - Wheel Coordinates (in) table:

No	X	Y
1	-125.90	0.00
2	-95.40	0.00
3	125.90	0.00
4	95.40	0.00

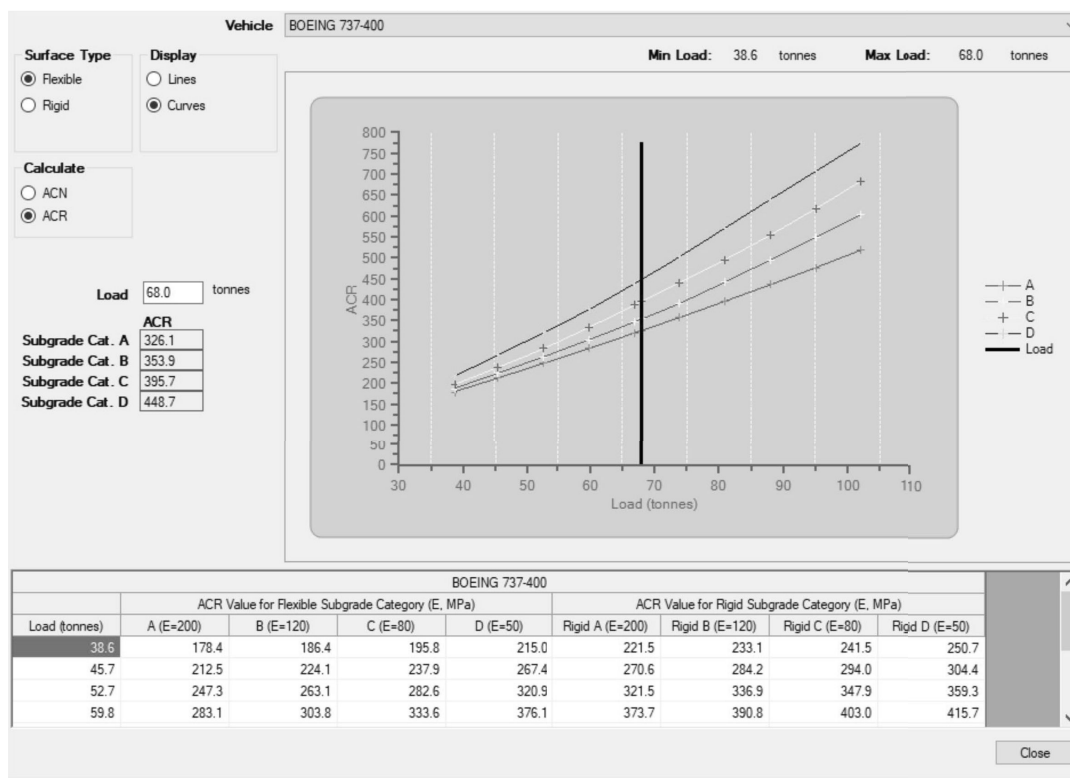
 Below this is the 'Input Data - Gear 2' section with fields for Percent GW 2, Number of Wheels 2, and Tire Pressure 2 (psi), and another empty 'Wheel Coordinates (in)' table.
 On the right, the 'Select Airplane Group' is set to 'Boeing' and 'Select Airplane' is set to 'B737-400'. A large 'Calculate ACR *' button is present. Below it are checkboxes for 'Display Select Wheels (SW)' and 'Metric'.
 The results are displayed in a table:

Subgrade Category	Subgrade Modulus [psi]	Flexible ACR Number	ACR Thickness t [in]
D	7,251.89	447.08	29.38
C	11,603.02	393.51	23.74
B	17,404.53	349.84	19.79
A	29,007.55	318.55	15.14

 At the bottom, a status bar shows 'Calculation time: 2.40 sec.'

Pavement Computer Aided Structural Engineering software, PCASE, version 7.0.6 or higher, can also be used to compute the ACR values in both Metric and English units. The results from the FAA ICAO-ACR program and PCASE provide similar results since both are based on the ICAO program. Figure 2.3 shows the PCASE output that is provided in tabular and graphical formats.

Figure 2-3 PCASE 7.0.6 ACR Values for the Boeing 737-400 Aircraft.



2-3 PAVEMENT CLASSIFICATION RATING (PCR)

The PCR is established by conducting a structural assessment of the pavement and indicates a pavement's ability to support, without weight restrictions, an aircraft that has an ACR value equal to or less than the PCR value. This number is applicable for both flexible and rigid pavements. The PCR value also includes codes following the numerical value that present additional information from the following categories:

- Pavement Type
 - R = Rigid (PCC)
 - F = Flexible (AC)

- Subgrade Strength Category
 - A = High ($E \geq 21,756$ psi (150 MPa))
 - B = Medium ($14,504$ psi (100 MPa) $\leq E < 21,756$ psi (150 MPa))
 - C = Low ($8,702$ psi (60 MPa) $\leq E < 14,504$ psi (100 MPa))
 - D = Very Low ($E < 8,702$ psi (60 MPa))
- Maximum Allowable Tire Pressure
 - W = Unlimited (No pressure limit)
 - X = High (Pressure limited to 254 psi (1.75 MPa))
 - Y = Medium (Pressure limited to 181 (1.25 MPa))
 - Z = Low (Pressure limited to 73 psi (0.5 MPa))
- Pavement Evaluation Method
 - C = Cone Penetrometer data used to generate the PCR
 - T = Technical Evaluation
 - U = Using Aircraft

PCR values included information on the subgrade strength category where allowable tire pressure can be unlimited for category “W” (unlimited). The pavement evaluation is “T” or “C” when a technical evaluation is conducted using runway, taxiway, and apron pavement cross sections with thickness and material properties used for each layer.

2-4 EVALUATION OF ACR/PCR RESULTS

A pavement with a determine PCR value can support an aircraft that has an ACR value equal to or less than the PCR. Likewise, the pavement cannot accept an aircraft with an ACR value exceeding the PCR. However, the Aerodrome Design Manual does allow for some overloads according to the following ICAO criteria:

- For flexible or rigid pavements, occasional movements by aircraft with an ACR that does not exceed 110 percent of the reported PCR should not adversely affect the pavement structural performance.
- Do not allow overload traffic to exceed 5 percent of the total annual aircraft movements.
- Do not normally permit overloads on pavements that exhibit signs of distress; during periods of thaw following frost penetration; or when the strength of the pavement or its subgrade could be weakened by water. Surface distresses include the following as defined in STANAG 7181, Standard Method for Airfield Pavement Condition Index (PCI) surveys (AEP-56):
 - a. Any Alligator Cracking, Block Cracking, Slippage Cracking
 - b. Medium or High Severity Joint Reflection Cracking, L&T Cracking
Corrugation, Patching, Rutting, or Swell

- c. High Severity Raveling or Shoving
- d. Any Blowup, Corner Break, Longitudinal or Transverse Cracks, Shattered Slab/ Intersecting Cracks, Cracking in Reinforced PCC, or Pumping
- e. Medium or High Severity “D” Cracking, Patching (large or Small), Scaling, Joint or Corner Spall, Alkali Silicia Reactivity (ASR)
- f. High Severity Settlement or Faulting

To evaluate the load-carrying capability of the airport pavement sections using the ACR-PCR procedure, the section PCR values are compared with the ACR of the aircraft using that section. Note: Another method of conducting a structural evaluation according to the ACR-PCR method is a non-technical method that considers only the ACR of the aircraft currently using an airfield. If no aircraft have caused damage to the airfield pavement, then the PCR of that facility is assumed to be at least as great as the heaviest aircraft using the facility.

2-5 LIMITATIONS OF THE ACR-PCR PROCEDURE

Regardless of whether a technical or non-technical evaluation method is used to assign PCR values to a pavement section, it is important to understand the limitation of the ACR-PCR system. As stated in the FAA Advisory Circular, 150/5335-5D, *“The ACR-PCR system is only intended as a method that airport operators can use to evaluate acceptable operations of aircraft. It is not intended as a pavement design or pavement evaluation procedure, nor does it restrict the methodology used to design or evaluate a pavement structure.”*

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CHAPTER 3 SOURCES OF ACR CHART AND TABULAR DATA

3-1 ACR - ACN TABLES

The Aircraft and supporting data for the ACR and ACN tables in the Annexes contained in Appendix A were provided by the following sources:

- Air Force Civil Engineer Center (AFCEC). A database developed and maintained by the US Air Force and US Army Corps of Engineers using data provided by NATO nations, Australia and New Zealand.
- Pavement-Transportation Computer-Assisted Structural Engineering (PCASE). A database and computer program developed and maintained by the US Army Engineering Development Center (ERDC), Vicksburg, MS. This program uses the methods prescribed in ICAO Aerodrome Design Manual (Dec 9157), Part 3.
- Aircraft data contained in NATO BI-SC Directive 85-5, NATO APPROVED CRITERIA AND STANDARDS FOR AIRFIELDS
- National Updates. Data updated by nations when updating AEP-46 and STANAG 7131 circulated for review and comment.

3-2 TABULAR AIRCRAFT ACR AND ACN DATA IN ANNEXES

Tabular data in the Annexes were computed using PCASE 7.0.6 to develop Metric and English tables for both rigid and flexible pavements. The data were developed using the curved option in PCASE that produces results for 11 aircraft weights, including an empty aircraft weight and a Maximum Takeoff Weight (MTOW), denoted by * and **, in the Annexes. Each Annex includes 344 aircraft models as follows.

- Annex 1 includes ACR values in Metric units
- Annex 2 includes ACR values in English units
- Annex 3 includes ACN values in Metric units
- Annex 4 includes ACN values in English units

3-3 AIRCRAFT ACR AND ACN DATA WHEN NOT IN PCASE LIBRARY

When an aircraft was not currently in the PCASE Vehicle (Aircraft) Library, ACR and ACN values were computed using one of the following options:

- Additional aircraft models were added to the library to compute both ACR and ACN tables using data provided by NATO nations and other sources.

- For older aircraft with small inventory numbers existing previous ACN data for these aircraft were compared to existing aircraft in the PCASE library and the corresponding ACR and ACN tables were prepared using the PCASE library.
- For newer aircraft with several derivative modes that exist throughout the world, previous ACR and ACN data for these aircraft were compared to existing aircraft in the PCASE library and the corresponding ACR and ACN tables were prepared using the PCASE library.

CHAPTER 4 REQUIRED AIRCRAFT CHARACTERISTICS

4-1 INFORMATION REQUIREMENTS FOR ACR Publication

Data required for ACR or ACN computation in PCASE 7.0.6 is illustrated below.

Aircraft: A400

Maximum Take Off Weight: 141000 kg

Empty Weight: 79750 kg

Basic Mission Weight: _____

Maximum Landing Weight: 123000 kg

Nose Gear Tyre Pressure: 9.79 bar (142 psi)

Main Gear Tyre Pressure: 9.51 bar (138 psi)

Tire aspect ratio (Contact area length to width): _____ (default value 1.65)

Gear configuration: Percentage of the load on the main gear, or:

Gear configuration: Position of the aftmost center of gravity ____ 37.29% MAC (CG for ACN Calculation tactical low level – operational mode with aftmost CG)

Gear Configuration/layout either with a dimensioned sketch as in Figure 4-1 or:

Distance longitudinally from the nose or nose gear of each tyre: _

Tyre1 _____

Tyre 2 _____

Tyre 3 _____

Tyre 4: _____

Tyre #: _____

Distance transversely from the centerline of the aircraft of each tyre: _

Tyre1 _____

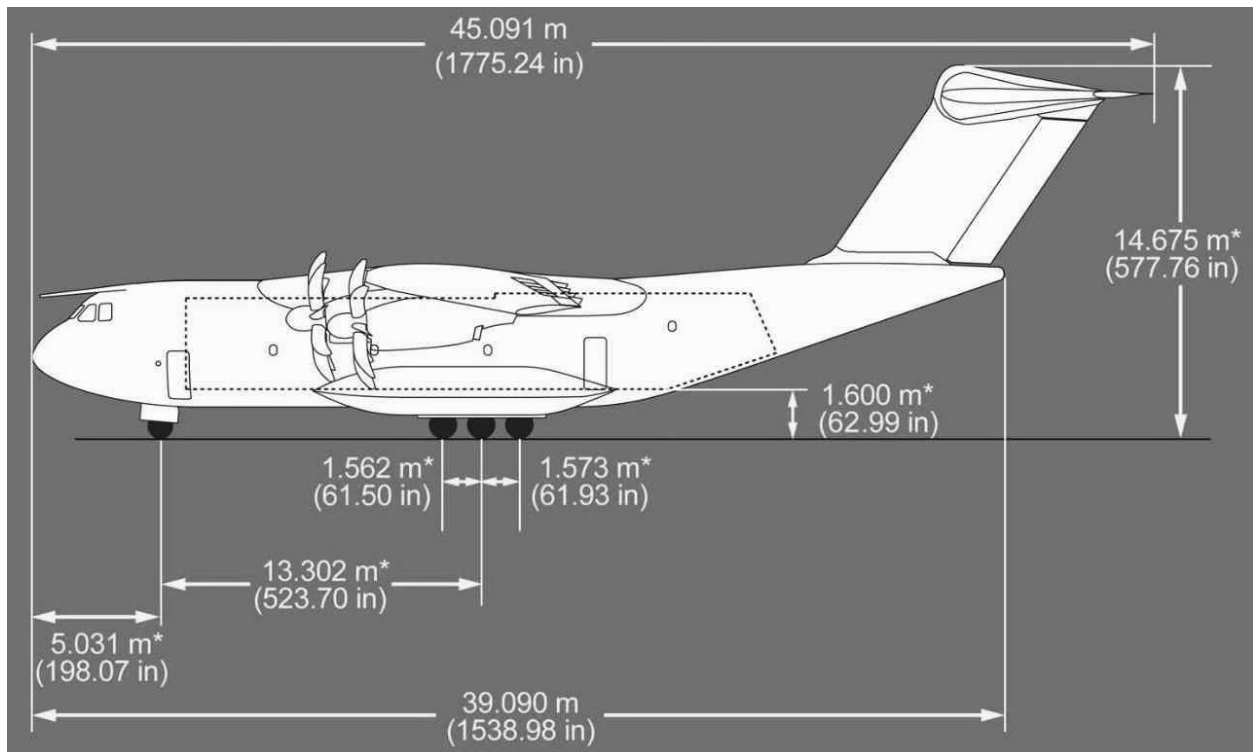
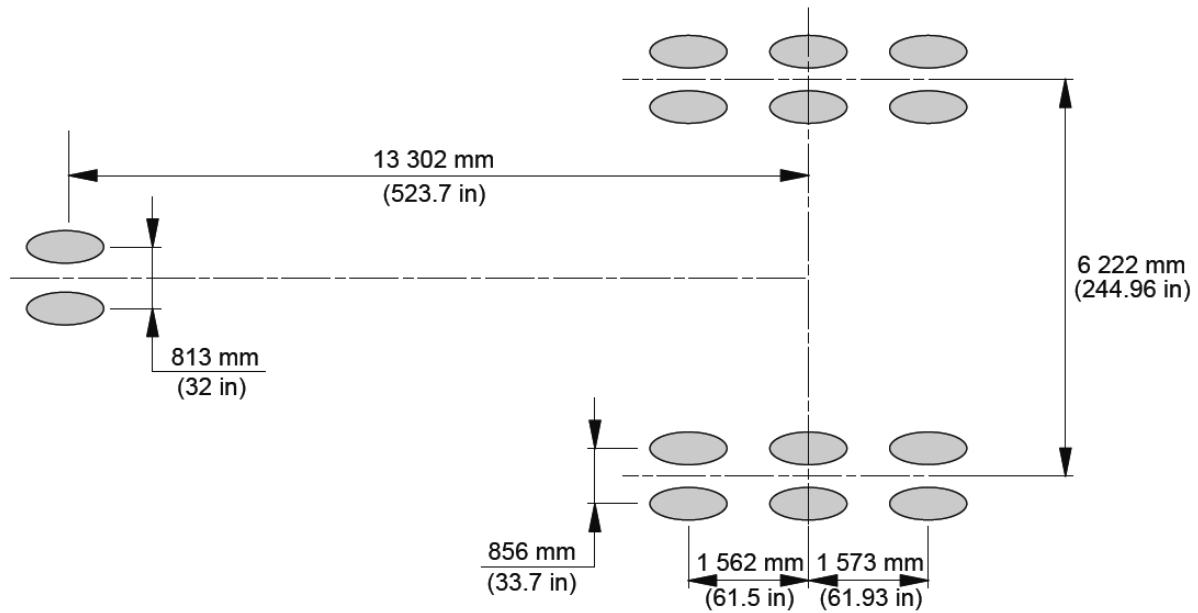
Tyre 2 _____

Tyre 3 _____

Tyre 4: _____

Tyre #: _____

Figure 4-1 A400 Gear Configuration and Sketch with Dimensions



APPENDIX A ACR-ACN TABLES ANNEXES

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A-7 CORSAIR II	3	BAE 146 Series 300	48
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**A-2 ANNEX A: ACR – METRIC UNITS
AIRCRAFT CLASSIFICATION RATING (ACR)
TABLES METRIC UNITS**

**FLEXIBLE AND RIGID PAVEMENT STANDARD SUBGRADE STRENGTH
CATEGORIES**

Subgrade Strength Category	Subgrade Support E (Elastic Modulus) MPa	Represents E (Elastic Modulus) MPa	Code Designation
High	200	$E \geq 150$	A
Medium	120	$100 \leq E < 150$	B
Low	80	$60 \leq E < 100$	C
Ultra Low	50	$E < 60$	D

A-4 Skyhawk
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.8*	44.3	44.7	44.9	45.0
6.2	57.9	58.4	58.6	58.8
7.7	71.5	72.1	72.4	72.6
9.1	85.0	85.8	86.2	86.4
10.6	98.6	99.5	99.9	100.2
11.9**	111.0	112.0	112.5	112.8
12.1	112.2	113.2	113.7	114.0
13.5	125.7	126.9	127.4	127.8
15.0	139.3	140.6	141.1	141.6
16.4	152.9	154.2	154.9	155.3
17.9	166.4	167.9	168.6	169.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.8*	43.9	44.1	44.2	44.4
6.2	57.4	57.7	57.8	58.0
7.7	70.9	71.2	71.4	71.6
9.1	84.4	84.8	85.0	85.4
10.6	97.9	98.3	98.6	98.9
11.9**	110.2	110.7	111.0	111.4
12.1	111.4	111.9	112.2	112.6
13.5	124.9	125.5	125.8	126.2
15.0	138.4	139.1	139.4	139.9
16.4	152.0	152.6	153.0	153.5
17.9	165.5	166.1	166.6	167.2

* Minimum operating weight

** Maximum takeoff weight

A-6 Intruder
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.1*	112.2	113.2	113.7	114.0
15.3	142.2	143.5	144.0	144.5
18.5	172.1	173.7	174.4	174.9
21.7	202.1	203.9	204.8	205.4
25.0	232.0	234.1	235.1	235.8
27.4**	254.5	256.9	258.0	258.7
28.2	261.9	264.4	265.5	266.2
31.4	291.8	294.6	295.8	296.7
34.7	321.7	324.8	326.1	327.1
37.9	351.6	355.0	356.5	357.6
41.1	381.6	385.2	386.8	388.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.1*	111.4	111.9	112.2	112.6
15.3	141.3	141.9	142.3	142.7
18.5	171.2	171.9	172.3	173.0
21.7	201.0	201.8	202.4	203.0
25.0	230.9	231.8	232.4	233.1
27.4**	253.4	254.4	255.1	255.9
28.2	260.8	261.6	262.5	263.4
31.4	290.5	291.8	292.5	293.4
34.7	320.5	321.6	322.6	323.6
37.9	350.2	351.5	352.6	353.7
41.1	380.0	381.5	382.7	383.9

* Minimum operating weight

** Maximum takeoff weight

A-7 Corsair II
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	92.0	92.8	93.2	93.4
12.0	111.3	112.3	112.7	113.0
14.0	130.5	131.7	132.3	132.7
16.1	149.8	151.2	151.8	152.2
18.2	169.1	170.6	171.3	171.8
19.1**	177.0	178.7	179.4	179.9
20.3	188.4	190.1	190.9	191.4
22.3	207.6	209.5	210.4	211.0
24.4	226.9	229.0	229.9	230.6
26.5	246.1	248.4	249.5	250.2
28.6	265.4	267.9	269.0	269.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	91.3	91.7	91.9	92.2
12.0	110.5	111.0	111.3	111.6
14.0	129.7	130.3	130.7	131.0
16.1	148.9	149.5	150.0	150.5
18.2	168.2	168.8	169.3	169.9
19.1**	176.1	176.8	177.3	177.9
20.3	187.3	188.1	188.6	189.3
22.3	206.5	207.3	208.0	208.7
24.4	225.7	226.7	227.3	228.0
26.5	245.0	246.0	246.6	247.4
28.6	264.2	265.1	266.0	266.9

* Minimum operating weight

** Maximum takeoff weight

A-10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.1*	78.2	79.7	80.3	80.8
11.8	102.1	104.0	104.8	105.4
14.6	125.9	128.3	129.3	130.1
17.4	149.7	152.5	153.8	154.7
20.2	173.5	176.8	178.3	179.3
22.7**	195.1	198.8	200.5	201.7
22.9	197.3	201.0	202.7	203.9
25.7	221.1	225.3	227.2	228.5
28.5	244.8	249.5	251.6	253.1
31.2	268.6	273.7	276.0	277.7
34.0	292.3	298.0	300.5	302.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.1*	77.1	77.7	78.2	78.7
11.8	100.8	101.6	102.2	102.8
14.6	124.4	125.5	126.2	126.9
17.4	148.0	149.3	150.1	151.0
20.2	171.7	173.1	174.1	175.2
22.7**	193.1	194.8	195.9	197.0
22.9	195.3	196.9	198.1	199.2
25.7	218.9	220.8	222.0	223.3
28.5	242.7	244.7	246.0	247.4
31.2	266.3	268.5	269.9	271.7
34.0	289.9	292.5	293.9	295.6

* Minimum operating weight

** Maximum takeoff weight

AC-130H Spectre
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	193.3	214.3	225.9	238.8
57.6	222.2	247.3	261.6	278.8
65.3	251.1	280.6	297.9	320.2
73.0	280.0	314.0	334.8	362.7
79.4	304.1	342.2	366.3	399.3
80.6**	308.9	347.8	372.5	406.6
88.3	337.8	381.9	411.2	451.7
96.0	366.9	416.4	450.6	498.3
103.7	396.0	451.3	490.9	546.3
111.4	425.3	486.8	532.0	595.7
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	195.5	212.8	227.0	243.2
57.6	229.7	251.3	268.5	288.1
65.3	265.1	291.2	311.2	333.7
73.0	301.7	332.0	355.3	381.1
79.4	333.4	367.1	392.9	421.0
80.6**	339.4	374.1	400.4	428.8
88.3	378.1	417.3	446.4	477.5
96.0	417.9	461.5	493.3	527.4
103.7	458.5	506.6	541.2	578.2
111.4	500.1	552.3	590.0	629.3
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

AC-130U Spooky
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	193.3	214.3	225.9	238.8
57.6	222.2	247.3	261.6	278.8
65.3	251.1	280.6	297.9	320.2
73.0	280.0	314.0	334.8	362.7
79.4	304.1	342.2	366.3	399.3
80.6**	308.9	347.8	372.5	406.6
88.3	337.8	381.9	411.2	451.7
96.0	366.9	416.4	450.6	498.3
103.7	396.0	451.3	490.9	546.3
111.4	425.3	486.8	532.0	595.7
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa/m)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	195.5	212.8	227.0	243.2
57.6	229.7	251.3	268.5	288.1
65.3	265.1	291.2	311.2	333.7
73.0	301.7	332.0	355.3	381.1
79.4	333.4	367.1	392.9	421.0
80.6**	339.4	374.1	400.4	428.8
88.3	378.1	417.3	446.4	477.5
96.0	417.9	461.5	493.3	527.4
103.7	458.5	506.6	541.2	578.2
111.4	500.1	552.3	590.0	629.3
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

**AH-64 Apache Longbow W/FCR
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.5*	0.0	0.0	0.0	0.1
6.6	0.0	0.0	0.0	0.1
7.7	0.0	0.0	0.0	0.1
8.9	0.0	0.0	0.0	0.1
10.0	0.0	0.0	0.0	0.1
10.4**	0.0	0.0	0.0	0.1
11.1	0.0	0.0	0.0	0.1
12.3	0.0	0.0	0.0	0.1
13.4	0.0	0.0	0.0	0.1
14.5	0.0	0.0	0.0	0.1
15.6	0.0	0.0	0.0	0.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.5*	29.9	31.5	32.7	33.9
6.6	36.4	38.4	39.8	41.3
7.7	42.8	45.3	46.9	48.5
8.9	49.3	52.1	54.0	55.8
10.0	55.8	59.0	61.1	63.2
10.4**	58.4	61.7	63.9	66.0
11.1	62.3	65.9	68.2	70.5
12.3	68.9	72.8	75.3	77.8
13.4	75.4	79.6	82.4	85.2
14.5	81.9	86.5	89.5	92.4
15.6	88.4	93.4	96.6	99.7

* Minimum operating weight

** Maximum takeoff weight

Airbus A310 MRTT
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114.0*	267.7	286.1	315.1	390.5
128.8	304.2	329.3	373.8	477.7
143.6	341.5	375.1	437.7	578.2
158.5	379.8	423.7	507.0	689.0
164.9**	396.8	446.9	538.8	738.9
173.3	419.2	478.4	581.7	804.9
188.1	459.8	537.2	668.8	922.3
202.9	501.4	599.9	765.2	1040.7
217.7	544.6	666.7	871.9	1161.2
232.5	589.3	737.7	985.2	1283.2
247.4	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114.0*	290.5	337.4	381.1	432.6
128.8	343.4	403.1	455.5	514.2
143.6	400.9	473.5	533.5	599.4
158.5	463.0	548.0	615.3	687.5
164.9**	491.4	581.6	652.0	726.4
173.3	529.3	626.3	700.2	777.9
188.1	599.5	707.8	787.7	871.3
202.9	673.6	792.2	877.7	966.6
217.7	751.1	879.0	970.3	1063.9
232.5	831.6	968.6	1065.1	1164.1
247.4	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV056

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.3*	353.1	373.4	405.3	450.0
80.7	391.3	417.4	456.1	511.7
88.0	430.2	464.5	508.3	574.9
92.9**	456.7	497.0	544.0	618.1
95.3	469.9	513.2	561.8	640.0
102.7	510.3	562.8	618.0	706.9
110.0	551.8	613.6	679.2	775.3
117.4	594.2	665.6	741.8	845.4
124.7	638.1	718.7	805.6	915.5
132.0	684.8	772.8	872.0	986.0
139.4	732.7	830.6	940.3	1056.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.3*	458.7	478.7	492.9	508.2
80.7	514.1	535.7	551.2	567.5
88.0	570.6	593.9	610.0	627.5
92.9**	609.0	633.4	650.0	668.1
95.3	628.0	652.5	669.8	688.0
102.7	686.5	712.2	730.1	749.4
110.0	745.5	772.5	791.3	810.7
117.4	805.5	833.8	852.9	873.3
124.7	866.1	895.2	915.3	936.5
132.0	927.7	957.6	978.2	999.9
139.4	989.4	1020.3	1041.7	1063.5

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV070
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.0*	312.1	331.9	359.4	398.6
73.0	341.7	365.7	399.2	445.1
78.9	371.8	400.4	440.0	494.8
80.4**	379.4	409.6	450.3	507.4
84.9	402.3	437.7	481.7	545.5
90.8	433.3	476.1	524.2	597.2
96.8	464.8	515.5	567.6	651.2
102.8	496.9	555.4	614.2	705.3
108.7	529.6	596.1	663.5	760.9
114.7	562.9	637.6	713.8	817.5
120.6	596.9	679.9	764.8	874.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.0*	401.8	422.1	436.7	451.8
73.0	445.1	467.0	482.5	498.8
78.9	489.2	512.6	529.1	546.4
80.4**	500.3	524.1	540.8	558.5
84.9	533.9	558.7	576.3	594.4
90.8	579.3	605.7	623.7	642.9
96.8	625.4	652.9	671.8	691.9
102.8	672.2	700.6	720.3	740.6
108.7	719.5	749.0	769.6	790.3
114.7	766.9	797.8	818.9	840.6
120.6	815.2	847.1	868.5	890.9

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV071

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.3*	357.2	375.9	406.9	450.9
81.4	399.9	424.8	463.2	519.0
89.5	443.4	477.3	521.1	589.1
97.4**	486.9	530.4	579.3	659.9
97.6	487.8	531.5	580.6	661.4
105.7	533.3	586.9	644.8	735.3
113.8	579.9	643.8	713.2	811.9
121.9	627.8	702.0	783.0	889.4
129.9	678.8	761.5	854.5	967.0
138.0	731.8	823.2	929.8	1045.1
146.1	786.3	891.3	1005.5	1123.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.3*	463.5	482.6	496.3	511.1
81.4	525.1	545.9	560.9	576.8
89.5	588.0	610.6	626.1	643.4
97.4**	650.8	674.5	691.1	708.9
97.6	652.2	675.8	692.5	710.3
105.7	717.4	742.2	759.7	778.2
113.8	783.2	809.5	827.6	847.0
121.9	850.2	877.7	896.4	916.7
129.9	918.3	946.3	966.0	986.6
138.0	986.6	1015.6	1036.1	1057.0
146.1	1056.0	1085.8	1106.7	1128.0

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO XLR WV099

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
75.6*	372.1	391.2	423.9	470.7
84.1	417.6	444.1	483.7	543.0
92.6	464.0	500.2	545.2	616.9
101.1	511.4	557.8	608.6	694.3
101.4**	513.1	559.8	610.9	697.0
109.6	560.1	616.9	679.3	773.1
118.1	610.1	677.6	752.1	854.3
126.6	662.4	739.7	826.4	935.8
135.1	717.8	803.2	904.0	1017.8
143.6	774.8	872.8	983.6	1100.1
152.1	833.1	945.4	1065.3	1182.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
75.6*	484.3	503.4	516.9	531.7
84.1	550.0	570.5	585.1	601.2
92.6	616.7	638.8	654.5	671.7
101.1	684.9	708.3	724.8	742.5
101.4**	687.4	710.8	727.5	745.7
109.6	753.9	778.7	796.1	814.3
118.1	824.2	850.3	868.1	887.5
126.6	895.8	922.3	941.1	960.8
135.1	967.5	995.4	1014.8	1035.1
143.6	1040.4	1069.3	1089.0	1109.7
152.1	1114.3	1143.8	1163.8	1184.8

* Minimum operating weight

** Maximum takeoff weight

Airbus A330 MRTT
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
120.5*	301.0	322.4	361.0	430.4
146.1	372.1	410.4	469.4	585.6
171.7	446.9	511.7	596.9	750.7
197.3	526.1	619.4	746.2	923.1
222.9	616.7	742.9	907.9	1103.0
233.9**	659.0	800.4	978.4	1182.6
248.5	716.8	881.7	1073.2	1289.5
274.1	822.8	1038.8	1243.9	1481.2
299.7	934.1	1200.7	1419.9	1676.2
325.2	1065.8	1364.8	1601.3	1874.1
350.8	1205.7	1532.9	1787.4	2074.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
120.5*	334.9	357.7	389.2	434.3
146.1	421.0	461.4	508.1	567.7
171.7	515.3	577.0	637.8	709.7
197.3	619.1	702.7	776.8	859.9
222.9	733.1	837.8	923.2	1016.8
233.9**	785.1	898.0	988.5	1086.1
248.5	856.1	980.3	1076.8	1179.3
274.1	988.4	1130.2	1236.4	1348.3
299.7	1128.4	1286.3	1401.7	1522.1
325.2	1275.6	1448.4	1572.7	1700.8
350.8	1429.2	1616.4	1748.8	1884.3

* Minimum operating weight

** Maximum takeoff weight

Airbus 400M
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.6*	109.6	115.6	120.5	129.9
93.4	130.2	138.1	145.3	160.2
108.1	150.9	161.1	171.2	193.4
122.9	171.7	184.6	198.7	230.4
137.7	192.7	208.7	227.8	271.6
141.0**	197.4	214.3	234.6	281.5
152.4	213.8	233.6	258.5	321.0
167.2	235.2	259.2	291.2	376.1
182.0	256.8	285.7	326.2	436.4
196.7	278.8	314.4	363.7	506.4
211.5	301.1	343.5	404.0	587.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.6*	104.2	108.0	113.2	134.9
93.4	124.5	130.3	142.8	179.7
108.1	145.2	154.4	181.0	230.5
122.9	166.5	181.5	225.0	287.4
137.7	188.6	218.3	274.9	349.0
141.0**	193.7	227.5	286.9	363.4
152.4	211.7	260.4	329.8	414.2
167.2	236.6	307.8	389.0	482.9
182.0	263.0	359.7	452.4	554.9
196.7	297.6	416.1	518.8	629.5
211.5	339.3	476.5	588.6	706.4

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300 B2, B4
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
88.5*	213.7	220.9	234.4	272.1
104.9	254.3	266.6	288.4	349.5
121.3	295.8	314.4	349.9	436.9
137.8	338.3	365	419.3	544.9
154.2	381.9	419.1	495.3	665.4
157.5**	391	430.6	511.5	690.6
170.6	427	479.4	577.9	793.1
187	473.4	545.5	673.4	924.3
203.4	521.2	616.4	781.7	1056.8
219.8	570.9	692.3	901.5	1191.6
236.3	622.8	773.3	1029.6	1328.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
88.5*	220.1	245.2	272.9	309.7
104.9	272.3	310.2	347.8	393.6
121.3	330.2	381.9	428.6	482.6
137.8	393.8	459.3	514.8	576.6
154.2	463.1	542	605.6	674.3
157.5**	477.8	559.3	624.5	694.6
170.6	537.5	629.4	699.9	775.2
187	616.8	720.8	798.1	879.6
203.4	700.7	815.6	899.2	986.4
219.8	788.7	913.6	1003.4	1095.7
236.3	880.2	1014.9	1110.2	1207.2

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300-600

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
88.5*	210.3	218.9	232.9	271.1
107.3	256	270.8	294.7	360.2
126.1	302.8	325.6	367.2	465.8
144.9	351	384.3	448.9	594.3
163.6	400.9	448.7	539.3	737.3
171.7**	422.8	479.3	580.9	801.3
182.4	452.6	522	642.3	886.8
201.2	506	601.4	763.9	1037.6
220	561.9	687.4	900.5	1191.5
238.8	620.5	780.2	1048.1	1348.1
257.6	684	887.3	1202.7	1508.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
88.5*	215.4	241.1	269.5	306.8
107.3	274.3	315.2	355	402.8
126.1	340.9	397.9	448.3	505.6
144.9	415	488.1	548.4	614.5
163.6	496.4	584.9	654.2	727.6
171.7**	533.3	628.3	701.1	777.7
182.4	584.3	687.5	764.6	845.3
201.2	678.5	794.8	879	966.9
220	778.2	906.2	997.7	1091.5
238.8	882.5	1021.9	1119.7	1219
257.6	991	1141.3	1244.8	1349.6

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A310-200/300

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
79.2*	191.2	195.3	204.7	229.9
96.6	233.9	242.2	258.5	305.5
113.9	277.4	291.4	318.1	391.2
131.3	321.9	343.2	387.7	493.9
148.7	367.7	398.6	464.4	614.5
157**	390.1	426.6	503.8	676.6
166	414.8	458.9	548.4	745.5
183.4	463.5	526.9	642.2	882.8
200.8	513.7	599.9	753	1021.1
218.1	565.9	678.5	874.9	1162
235.5	620.3	762.6	1007.3	1305

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
79.2*	193.6	211.5	233.1	263.1
96.6	245.8	275.9	307.5	347.4
113.9	304	347.8	389.3	438.8
131.3	368.5	426.6	477.4	534.9
148.7	439.1	511.3	570.7	635.9
157**	475.1	553.8	617.2	685.7
166	515.7	601.3	668.3	741.3
183.4	597.6	696.1	770.4	848.9
200.8	684.6	794.8	875.5	960.4
218.1	776.3	896.9	984.3	1074.5
235.5	871.9	1002.8	1095.9	1190.9

* Minimum operating weight

** Maximum takeoff weight

Airbus A319-100

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
58.4*	266.7	278.0	293.3	323.7
64.5	296.0	310.3	330.1	366.1
70.6	325.7	343.4	369.5	409.6
75.7	350.4	371.3	402.3	446.5
76.7	355.8	377.4	409.5	454.6
82.9**	386.3	412.3	450.5	504.2
89.0	417.3	448.3	492.4	555.1
95.1	448.8	487.0	535.1	606.9
101.2	480.7	526.6	578.7	659.0
107.4	513.1	566.7	623.3	713.1
113.5	546.2	607.7	671.3	767.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
58.4*	333.0	349.3	361.4	374.3
64.5	374.9	393.0	406.2	420.3
70.6	417.8	437.4	451.6	466.5
75.7	453.7	474.5	489.5	505.3
76.7	461.5	482.6	497.7	513.7
82.9**	505.9	528.4	544.5	561.4
89.0	551.2	575.0	591.6	609.7
95.1	596.8	622.2	639.5	658.5
101.2	643.3	669.5	687.9	707.2
107.4	690.3	717.6	736.6	756.8
113.5	738.0	766.0	786.0	806.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A320-200

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.7*	92.0	94.1	97.7	106.4
46.6	108.0	111.3	117.0	130.0
53.5	124.0	129.0	137.4	156.5
60.4	140.2	147.3	158.9	186.2
67.4	156.6	166.3	181.6	222.8
68.0**	158.1	168.0	183.7	226.3
74.3	173.2	185.9	205.7	263.0
81.2	190.1	206.3	231.7	304.8
88.1	207.2	227.5	259.7	348.5
95.1	224.7	249.5	291.9	398.0
102.0	242.6	272.5	328.5	449.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.7*	88.2	95.5	104.8	119.0
46.6	105.8	117.4	130.8	149.4
53.5	125.0	141.4	159.1	182.1
60.4	145.6	167.7	189.6	216.8
67.4	168.1	196.0	222.2	252.9
68.0**	170.2	198.7	225.2	256.3
74.3	192.2	226.3	256.3	290.8
81.2	218.1	258.1	292.0	330.0
88.1	245.6	291.8	329.2	370.2
95.1	274.9	326.7	367.6	411.3
102.0	305.7	363.1	407.1	453.3

* Minimum operating weight

** Maximum takeoff weight

Airbus A330-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
124.9*	299.4	302.6	309.9	333.4
149.5	358.2	364.0	377.3	417.5
174.1	417.3	427.0	449.4	511.5
198.7	476.8	491.8	526.3	620.2
223.3	536.8	559.4	608.3	739.8
230.9**	555.3	580.7	634.5	778.6
247.9	597.5	629.9	695.8	869.9
272.5	658.9	703.7	793.4	1013.1
297.1	721.4	780.8	899.8	1169.3
321.7	785.0	861.5	1013.7	1335.3
346.3	850.2	945.8	1135.1	1511.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
124.9*	290.0	307.0	331.3	370.0
149.5	353.4	383.2	420.4	474.2
174.1	421.6	467.0	518.2	587.5
198.7	495.2	558.4	624.0	707.3
223.3	574.3	657.2	737.0	833.8
230.9**	599.7	688.9	773.3	873.9
247.9	659.7	762.7	856.3	966.1
272.5	750.8	874.5	981.7	1102.8
297.1	848.1	992.2	1112.0	1244.0
321.7	951.4	1115.4	1246.8	1389.5
346.3	1059.8	1243.3	1385.7	1538.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A340-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
127.2*	256.5	258.2	262.6	276.8
159.0	320.3	324.3	333.4	362.4
190.9	384.3	391.8	408.7	457.5
222.7	448.9	461.2	489.7	567.9
254.6	514.0	533.4	576.7	693.2
275.9**	557.9	583.6	638.2	784.0
286.4	579.7	609.1	669.7	831.1
318.3	646.4	688.5	772.8	982.6
350.1	714.2	771.8	887.3	1151.1
382.0	783.4	859.4	1010.7	1330.9
413.8	854.4	951.3	1143.0	1519.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
127.2*	246.0	255.9	271.8	299.9
159.0	312.0	333.2	362.0	406.6
190.9	383.1	419.5	462.8	523.4
222.7	460.1	514.7	573.8	650.4
254.6	543.6	619.3	693.3	785.1
275.9**	603.3	693.3	778.2	879.4
286.4	634.1	731.3	821.4	927.0
318.3	731.8	851.6	955.9	1074.8
350.1	836.7	978.5	1096.9	1227.8
382.0	948.8	1112.2	1243.1	1385.8
413.8	1066.9	1251.5	1394.6	1547.6

* Minimum operating weight

** Maximum takeoff weight

Airbus A380-800
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
300.0*	297.9	297.7	304.8	332.7
360.3	357.1	360.2	373.4	428.9
420.7	416.6	423.5	447.6	547.2
481.0	476.7	489.2	530.4	690.1
541.3	537.6	557.8	622.6	859.8
562.0**	558.7	582.0	656.6	927.2
601.7	599.3	629.9	728.2	1062.4
662.0	661.6	707.7	848.0	1282.8
722.3	724.9	790.9	984.7	1527.3
782.7	789.5	880.4	1140.0	1787.8
843.0	854.9	978.6	1315.8	2060.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
300.0*	278.7	306.3	349.6	421.9
360.3	344.2	397.0	466.2	567.8
420.7	419.8	503.3	601.3	729.9
481.0	506.0	626.4	752.3	905.7
541.3	604.1	764.1	916.7	1092.5
562.0**	640.9	815.1	976.0	1159.2
601.7	715.2	916.2	1093.3	1288.6
662.0	839.5	1080.9	1279.6	1493.2
722.3	977.0	1256.3	1475.2	1705.1
782.7	1126.5	1441.3	1678.5	1922.9
843.0	1287.7	1635.1	1888.8	2149.5

* Minimum operating weight

** Maximum takeoff weight

AJET
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	39.6	41.2	41.9	42.3
5.4	47.7	49.5	50.3	50.8
6.4	55.8	57.8	58.6	59.3
7.3	63.8	66	67	67.7
8.2	71.8	74.3	75.4	76.2
8.5**	74.5	77.1	78.2	79.1
9.1	79.7	82.5	83.8	84.7
10	87.7	90.8	92.1	93.1
10.9	95.7	99	100.5	101.6
11.8	103.6	107.2	108.8	110
12.7	111.6	115.5	117.2	118.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	38.7	39.2	39.6	40.1
5.4	46.5	47.2	47.7	48.2
6.4	54.3	55.1	55.7	56.3
7.3	62.1	63.2	63.8	64.5
8.2	70	71.1	71.8	72.6
8.5**	72.7	73.8	74.6	75.3
9.1	77.9	79.1	79.9	80.8
10	85.7	87	87.9	88.8
10.9	93.5	95	96	97
11.8	101.4	103	104	105.1
12.7	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-12 Russian
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.0*	66.0	69.6	73.7	81.7
35.1	83.6	89.4	96.8	109.9
42.1	101.9	110.8	121.4	143.7
49.2	120.9	133.7	147.6	180.0
56.2	140.6	158.0	180.6	217.4
61.0**	154.3	175.1	204.0	243.4
63.3	161.0	183.5	215.9	255.9
70.3	184.0	211.3	253.2	295.4
77.4	207.4	245.2	290.9	335.9
84.4	231.7	280.4	329.1	377.5
91.5	257.1	318.7	367.9	420.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.0*	75.1	77.1	78.5	80.8
35.1	96.6	98.9	101.0	105.2
42.1	118.4	121.3	124.6	131.7
49.2	140.7	144.5	149.7	161.0
56.2	163.4	168.6	176.5	192.7
61.0**	179.1	185.6	195.8	215.1
63.3	186.7	193.9	205.3	226.1
70.3	210.5	220.5	236.1	261.7
77.4	235.1	248.7	268.9	298.8
84.4	260.5	278.4	303.5	336.9
91.5	286.6	310.1	339.5	376.4

* Minimum operating weight

** Maximum takeoff weight

AN-24/26
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	38.1	49	55.1	61.7
16.1	46.1	59.3	67.2	75.9
18.8	54	69.9	79.8	91
21.4	61.8	80.8	92.9	108.4
24.1	69.7	92	106.4	126.5
24.9**	72.2	95.5	110.8	132.4
26.8	77.7	103.5	120.5	145.7
29.4	85.9	115.4	136.7	166.7
32.1	94.2	127.8	153.9	189.4
34.7	102.7	140.5	171.6	213
37.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	45.6	52.7	58.1	64
16.1	57.6	66.6	73.2	80.1
18.8	70.4	81.2	88.8	96.7
21.4	83.9	96.4	105	113.8
24.1	97.9	112	121.6	131.2
24.9**	102.5	117	126.9	136.7
26.8	112.5	128.1	138.6	149
29.4	127.6	144.6	156	167
32.1	143.2	161.4	173.6	185.4
34.7	159.1	178.6	191.5	204.2
37.4	175.3	196	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-124 Russian
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
170.8*	157.7	165.3	172.4	187.6
217.1	200.2	211.9	225.0	254.8
263.5	242.8	260.4	281.8	340.9
309.8	286.0	311.1	344.0	448.6
356.2	329.9	364.6	414.2	586.5
392.0**	364.4	407.6	479.9	724.9
402.6	374.7	420.7	500.5	770.4
448.9	420.6	480.9	599.3	991.9
495.3	467.8	545.7	712.7	1234.7
541.6	516.6	622.9	855.2	1489.9
588.0	567.2	708.3	1028.8	1751.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
170.8*	143.7	149.9	167.5	218.1
217.1	184.2	201.2	253.1	349.2
263.5	227.1	277.9	369.8	513.4
309.8	274.2	379.1	517.7	705.0
356.2	341.5	507.8	692.9	917.4
392.0**	408.2	625.4	843.2	1092.9
402.6	430.3	663.0	889.8	1147.1
448.9	540.2	841.5	1105.2	1389.8
495.3	673.5	1040.3	1335.7	1646.6
541.6	829.9	1256.0	1579.8	1912.9
588.0	1007.0	1486.4	1835.6	2190.5

* Minimum operating weight

** Maximum takeoff weight

AN-225 Myria Cossack
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
285.0*	189.6	197.3	206.7	228.9
353.3	235.0	247.5	264.3	306.7
421.7	280.9	300.0	326.9	411.4
490.0	327.6	355.2	396.7	537.3
558.3	375.2	413.3	480.9	707.4
600.0**	404.9	450.6	539.1	829.7
626.7	424.1	475.4	578.9	915.3
695.0	474.4	542.2	691.1	1145.2
763.3	526.4	614.7	826.9	1386.7
831.7	580.1	706.5	993.8	1633.7
900.0	635.5	802.3	1192.1	1883.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
285.0*	176.9	187.0	221.6	287.1
353.3	222.6	256.7	323.5	424.6
421.7	272.4	349.5	450.7	584.8
490.0	334.8	464.0	599.7	763.0
558.3	420.5	599.5	766.5	954.9
600.0**	481.4	691.5	875.6	1077.9
626.7	524.2	753.7	948.2	1159.2
695.0	646.1	923.3	1142.6	1373.2
763.3	786.2	1106.8	1347.8	1598.0
831.7	941.9	1301.9	1562.9	1829.0
900.0	1112.3	1507.5	1786.6	2069.0

* Minimum operating weight

** Maximum takeoff weight

**Andover C MK 1 & E MK 3
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	38.1	49.0	55.1	61.7
16.1	46.1	59.3	67.2	75.9
18.8	54.0	69.9	79.8	91.0
21.4	61.8	80.8	92.9	108.4
24.1	69.7	92.0	106.4	126.5
24.9**	72.2	95.5	110.8	132.4
26.8	77.7	103.5	120.5	145.7
29.4	85.9	115.4	136.7	166.7
32.1	94.2	127.8	153.9	189.4
34.7	102.7	140.5	171.6	213.0
37.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	45.6	52.7	58.1	64.0
16.1	57.6	66.6	73.2	80.1
18.8	70.4	81.2	88.8	96.7
21.4	83.9	96.4	105.0	113.8
24.1	97.9	112.0	121.6	131.2
24.9**	102.5	117.0	126.9	136.7
26.8	112.5	128.1	138.6	149.0
29.4	127.6	144.6	156.0	167.0
32.1	143.2	161.4	173.6	185.4
34.7	159.1	178.6	191.5	204.2
37.4	175.3	196.0	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Andover CC MK 2
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	32.1	41.6	48.7	56.8
13.9	35.1	49.6	58.4	69.2
16.0	40.0	57.8	68.9	82.1
18.0	45.7	66.3	80.1	96.2
20.0	51.3	75.1	91.8	112.7
20.2**	51.7	75.7	92.6	113.8
22.1	57.1	84.8	104.0	130.1
24.1	63.0	95.0	116.7	148.0
26.2	69.0	105.6	131.4	166.1
28.2	75.2	116.6	147.7	184.2
30.2	81.7	128.1	164.8	202.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	38.8	46.0	51.4	57.1
13.9	48.3	57.0	63.3	69.8
16.0	58.3	68.5	75.7	82.9
18.0	68.9	80.3	88.4	96.2
20.0	79.8	92.7	101.3	109.9
20.2**	80.5	93.4	102.2	110.7
22.1	91.2	105.2	114.6	123.8
24.1	102.9	118.1	128.1	137.8
26.2	114.9	131.2	141.8	152.1
28.2	127.2	144.5	155.7	166.5
30.2	139.8	158.0	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

**Andover CC MK 2 Queens Flight
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	32.1	41.6	48.7	56.8
14.1	35.4	50.2	59.2	70.1
16.3	40.8	59.1	70.6	84.1
18.5	46.9	68.3	82.7	99.8
20.6	53.0	77.8	95.4	117.7
21.1**	54.2	79.9	97.9	121.2
22.8	59.3	88.5	108.7	136.7
25.0	65.6	99.6	122.4	156.0
27.2	72.2	111.3	139.8	175.4
29.4	79.0	123.3	157.5	194.9
31.6	86.5	135.9	176.7	214.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	38.8	46.0	51.4	57.1
14.1	49.0	57.8	64.2	70.8
16.3	59.8	70.3	77.5	84.9
18.5	71.3	83.1	91.2	99.3
20.6	83.2	96.4	105.2	114.0
21.1**	85.5	99.0	108.0	116.9
22.8	95.5	110.0	119.5	128.9
25.0	108.3	123.9	134.1	144.1
27.2	121.3	138.0	149.0	159.5
29.4	134.6	152.4	164.0	175.1
31.6	148.3	167.1	179.2	191.0

* Minimum operating weight

** Maximum takeoff weight

ANDOVER HS-748

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	38.1	49	55.1	61.7
16.1	46.1	59.3	67.2	75.9
18.8	54	69.9	79.8	91
21.4	61.8	80.8	92.9	108.4
24.1	69.7	92	106.4	126.5
24.9**	72.2	95.5	110.8	132.4
26.8	77.7	103.5	120.5	145.7
29.4	85.9	115.4	136.7	166.7
32.1	94.2	127.8	153.9	189.4
34.7	102.7	140.5	171.6	213
37.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	45.6	52.7	58.1	64
16.1	57.6	66.6	73.2	80.1
18.8	70.4	81.2	88.8	96.7
21.4	83.9	96.4	105	113.8
24.1	97.9	112	121.6	131.2
24.9**	102.5	117	126.9	136.7
26.8	112.5	128.1	138.6	149
29.4	127.6	144.6	156	167
32.1	143.2	161.4	173.6	185.4
34.7	159.1	178.6	191.5	204.2
37.4	175.3	196	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AO/A-10-A Thunderbolt II
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.0*	104.2	106.1	107.0	107.6
14.5	126.1	128.5	129.5	130.3
17.0	148.0	150.8	152.0	152.9
19.6	169.9	173.1	174.5	175.6
22.1	191.8	195.4	197.0	198.2
23.1**	200.9	204.7	206.4	207.7
24.6	213.6	217.7	219.5	220.8
27.1	235.5	240.0	242.0	243.4
29.7	257.3	262.2	264.5	266.0
32.2	279.1	284.5	286.9	288.7
34.7	301.0	306.8	309.4	311.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.0*	102.8	103.7	104.3	104.9
14.5	124.6	125.7	126.4	127.1
17.0	146.3	147.6	148.4	149.3
19.6	168.1	169.5	170.4	171.5
22.1	189.8	191.4	192.5	193.6
23.1**	198.9	200.5	201.7	202.9
24.6	211.5	213.4	214.6	215.9
27.1	233.4	235.3	236.5	237.9
29.7	255.1	257.1	258.6	260.2
32.2	276.8	279.2	280.6	282.5
34.7	298.5	301.0	302.7	304.4

* Minimum operating weight

** Maximum takeoff weight

AT-38B Talon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	34.9	34.1	33.8	33.6
4.4	40.4	39.5	39.2	38.9
5.0	45.9	44.9	44.5	44.3
5.6	51.4	50.4	49.9	49.6
6.1	56.4	55.3	54.8	54.5
6.2**	56.9	55.8	55.3	55.0
6.8	62.4	61.2	60.7	60.3
7.4	68.0	66.7	66.1	65.7
8.0	73.5	72.1	71.5	71.0
8.6	79.0	77.5	76.9	76.4
9.2	84.6	83.0	82.3	81.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	35.6	35.3	35.0	34.8
4.4	41.2	40.9	40.6	40.3
5.0	46.8	46.4	46.1	45.8
5.6	52.5	52.0	51.7	51.3
6.1	57.6	57.1	56.7	56.3
6.2**	58.1	57.6	57.2	56.8
6.8	63.7	63.2	62.8	62.3
7.4	69.4	68.8	68.3	67.8
8.0	75.0	74.3	73.8	73.3
8.6	80.6	79.9	79.4	78.9
9.2	86.3	85.5	84.9	84.3

* Minimum operating weight

** Maximum takeoff weight

Atlantic ATLA
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	137.2	147.7	158.3	175.9
37.1	166.7	181.5	197.3	224.5
43.3	197	217.8	239.7	277.4
49.6	228.4	255.9	284.7	332.1
55.8	260.8	296.2	337.7	390.8
58.1**	272.8	311.2	357	412.3
62.1	295.3	339.1	391.7	451.9
68.3	331.3	384.5	447.6	513.4
74.6	368.8	438.4	507.4	574.9
80.8	407.6	493.6	568.6	635.7
87.1	447.9	549	630.8	695.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	173.5	184.5	192.3	200.5
37.1	217.1	230.1	239.2	248.7
43.3	262.4	277.3	287.5	298.1
49.6	309.2	325.7	337.1	348.5
55.8	357.4	375.3	387.6	400.3
58.1**	374.7	393.2	405.7	418.5
62.1	406.6	425.9	439	452
68.3	456.9	477.5	491.1	505.1
74.6	508.1	529.6	544.1	558.7
80.8	560.2	582.7	597.5	613.1
87.1	612.9	636.5	651.7	667.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from P-3N ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

ATR 42
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.5*	45	52.4	58.2	68.5
13.3	52.9	62.1	69.4	84.1
15.1	61	72.3	82.9	101.3
17	69.4	82.9	97.9	118.4
18.6	77.2	92.7	111.7	133.8
18.8**	78.1	93.9	113.3	135.5
20.6	87.1	107.1	130.3	152.5
22.4	96.3	122	147.8	169.6
24.3	106	137.3	165.2	186.8
26.1	115.9	152.9	182.7	204
27.9	126.2	170.8	200.1	221.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.5*	58.4	63.7	67.4	71.3
13.3	70.5	76.6	80.8	85.2
15.1	83	89.8	94.4	99.1
17	95.9	103.3	108.4	113.5
18.6	107.7	115.7	121.1	126.4
18.8**	109.1	117.2	122.6	128
20.6	122.7	131.3	137	142.7
22.4	136.5	145.6	151.7	157.6
24.3	150.5	160.1	166.5	172.7
26.1	164.9	174.9	181.4	187.9
27.9	179.4	189.8	196.6	203.4

* Minimum operating weight

** Maximum takeoff weight

ATR 72
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	53.7	63.1	70.5	85.8
15.8	64	76.1	88.2	107.4
18.1	74.8	89.7	107.4	129.1
20.4	86	105.4	128.3	150.6
22.7	97.7	124.3	150.3	172.1
22.8**	98.3	125.1	151.3	173.1
25	110	143.7	172.3	193.8
27.3	122.8	164.9	194.3	215.6
29.6	138.1	187.3	216.3	237.3
31.9	156.9	209.7	238.3	259.1
34.2	176.2	232.1	260.4	280.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.5*	71.7	77.8	82.1	86.5
15.8	87.6	94.6	99.4	104.3
18.1	104.1	111.9	117.2	122.5
20.4	121.1	129.6	135.3	141
22.7	138.5	147.7	153.8	159.8
22.8**	139.3	148.5	154.6	160.7
25	156.3	166.1	172.5	178.9
27.3	174.6	184.8	191.6	198.2
29.6	193	203.8	210.8	217.6
31.9	211.8	222.9	230.2	237.4
34.2	230.8	242.3	249.9	257.4

* Minimum operating weight

** Maximum takeoff weight

Aururo CP-140
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	142.2	150.6	160.3	177.2
38.4	179.2	192.5	208.2	236.7
45.9	217.5	237.6	260.9	300.8
53.4	257.3	285.6	319.9	369.3
61	299.4	337.2	385.3	442.6
65.8**	327.5	371.6	426.8	489.9
68.5	344	391.9	451.9	517.1
76.1	390.6	457.2	524.5	591.6
83.6	439.3	524.3	599.3	664.8
91.1	490.6	593.4	675	737.8
98.7	544.4	668.3	750.8	810.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	179.5	189.3	196.6	204.3
38.4	233.6	245.7	254.1	263.2
45.9	290	304	313.7	323.7
53.4	348.6	364.2	375	385.9
61	408.8	425.8	437.5	449.2
65.8**	447.8	465.7	478	490.4
68.5	470.5	488.8	501.2	513.9
76.1	533.5	552.9	566.1	579.5
83.6	597.7	618.2	631.6	645.9
91.1	663.1	684.1	698.1	712.9
98.7	729.6	751	765.8	780.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from P-3C ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AV-8 Harrier
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.7*	30.5	34.4	38.5	43.4
8.4	36.1	44.0	49.7	56.6
10.1	43.6	54.1	61.7	73.1
11.8	51.4	64.7	74.3	90.6
13.4	59.6	75.9	88.5	110.1
14.5**	65.1	83.5	99.7	122.9
15.1	68.1	87.5	105.6	129.6
16.8	77.0	99.6	123.2	149.0
18.4	86.1	114.1	142.6	168.4
20.1	96.0	131.1	162.3	187.9
21.8	106.1	148.5	181.9	207.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.7*	34.2	38.4	41.7	45.1
8.4	45.6	51.2	55.2	59.2
10.1	57.8	64.6	69.2	73.6
11.8	70.7	78.5	83.6	88.3
13.4	84.2	92.8	98.2	103.0
14.5**	93.2	102.3	107.8	112.9
15.1	98.0	107.3	113.0	118.1
16.8	112.2	122.1	128.0	133.3
18.4	126.7	137.1	143.1	148.6
20.1	141.5	152.2	158.4	164.2
21.8	156.4	167.5	173.9	179.7

* Minimum operating weight

** Maximum takeoff weight

B-1B Lancer
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.7*	205.4	208.8	218.0	243.5
112.3	270.0	279.8	300.1	357.9
138.8	336.4	355.5	395.1	503.7
165.3	405.2	438.4	508.0	681.7
191.9	476.7	530.1	644.5	875.6
216.4**	545.3	624.1	788.2	1070.3
218.4	551.2	632.3	801.0	1086.9
244.9	629.8	754.8	985.8	1306.8
271.5	713.3	892.1	1182.3	1534.4
298.0	802.4	1044.0	1397.2	1770.5
324.5	898.5	1219.6	1618.0	2017.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.7*	206.8	227.0	250.6	283.0
112.3	288.3	327.6	366.2	413.2
138.8	383.2	443.6	496.2	556.3
165.3	491.3	572.5	637.8	709.5
191.9	611.6	712.6	789.1	870.6
216.4**	732.6	849.6	935.5	1025.6
218.4	743.1	861.3	948.0	1038.7
244.9	883.8	1018.0	1114.0	1212.2
271.5	1032.5	1181.6	1285.3	1391.7
298.0	1189.2	1351.5	1462.6	1575.6
324.5	1352.3	1526.0	1644.5	1763.8

* Minimum operating weight

** Maximum takeoff weight

B-2 Spirit
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	117.2	117.5	119.7	126.9
69.8	163.7	166.2	173.3	191.6
89.7	210.8	217.7	232.0	273.3
109.6	259.0	272.4	298.1	371.5
129.5	308.5	330.7	376.6	489.8
149.4**	359.8	394.0	467.6	630.7
152.6	368.4	404.9	483.6	655.1
169.3	413.1	463.2	569.3	780.8
189.2	468.6	544.8	687.5	939.7
209.1	526.3	634.4	826.1	1104.0
229.0	587.2	732.3	975.5	1276.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.9*	112.6	118.0	126.0	139.8
69.8	163.0	178.2	196.4	221.6
89.7	220.9	249.7	279.0	316.0
109.6	287.2	331.7	371.9	418.7
129.5	362.5	422.7	472.9	528.6
149.4**	446.2	521.5	580.8	644.5
152.6	460.7	538.3	599.1	664.1
169.3	537.5	627.1	694.1	765.7
189.2	635.7	738.4	812.8	890.1
209.1	740.2	854.2	935.4	1019.0
229.0	850.1	974.7	1062.2	1151.2

* Minimum operating weight

** Maximum takeoff weight

B-52H Stratofortress

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
104.3*	276.7	284.2	302.0	342.6
129.6	347.2	363.0	395.5	462.2
154.9	419.7	448.2	499.1	603.1
180.2	494.4	540.6	613.9	755.1
205.5	572.7	640.2	744.9	917.3
221.4**	624.0	706.4	832.8	1023.3
230.8	655.5	747.4	886.9	1088.6
256.1	743.1	867.9	1036.8	1268.7
281.4	835.5	997.7	1194.8	1455.5
306.7	932.9	1136.0	1359.8	1647.0
332.0	1035.5	1281.0	1533.4	1843.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
104.3*	385.2	424.1	457.3	496.8
129.6	516.5	570.0	613.5	663.7
154.9	660.4	727.9	781.3	840.5
180.2	815.1	896.0	958.1	1026.0
205.5	979.7	1073.2	1143.1	1218.1
221.4**	1087.1	1188.0	1262.1	1342.0
230.8	1153.1	1257.9	1334.8	1417.2
256.1	1334.2	1449.3	1532.6	1623.3
281.4	1521.8	1647.0	1736.7	1831.3
306.7	1716.5	1850.6	1945.6	2045.5
332.0	1916.9	2058.7	2159.2	2263.4

* Minimum operating weight

** Maximum takeoff weight

BAC 1-11 Series 40

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	98.8	106.2	116	132.8
57.8	121	132.7	146.3	172.4
67.5	144.2	161.3	181.2	213.3
77.3	168.5	191.6	220.8	254.3
87	195.2	223.3	263.1	295
90.5**	205.2	237	278.3	309.7
96.8	223.5	262.6	305.4	335.9
106.5	253.1	304	347.7	376.9
116.3	284.1	348.2	389.7	418.2
126	316.2	392.2	431.5	459.8
135.8	354.8	436	473.4	501.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	129.7	136	140.5	145.1
57.8	162.3	169.5	174.6	179.9
67.5	196.1	204.1	209.7	215.4
77.3	230.7	239.3	245.4	251.6
87	266.2	275.6	281.8	288.3
90.5**	279.2	288.7	295.1	301.6
96.8	302.5	312.2	318.9	325.7
106.5	339.5	349.6	356.6	363.5
116.3	377	387.6	394.7	402.3
126	415.2	425.8	433.2	440.8
135.8	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 300/400

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	98.8	106.2	116	132.8
57.8	121	132.7	146.3	172.4
67.5	144.2	161.3	181.2	213.3
77.3	168.5	191.6	220.8	254.3
87	195.2	223.3	263.1	295
90.5**	205.2	237	278.3	309.7
96.8	223.5	262.6	305.4	335.9
106.5	253.1	304	347.7	376.9
116.3	284.1	348.2	389.7	418.2
126	316.2	392.2	431.5	459.8
135.8	354.8	436	473.4	501.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	129.7	136	140.5	145.1
57.8	162.3	169.5	174.6	179.9
67.5	196.1	204.1	209.7	215.4
77.3	230.7	239.3	245.4	251.6
87	266.2	275.6	281.8	288.3
90.5**	279.2	288.7	295.1	301.6
96.8	302.5	312.2	318.9	325.7
106.5	339.5	349.6	356.6	363.5
116.3	377	387.6	394.7	402.3
126	415.2	425.8	433.2	440.8
135.8	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 475

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	98.8	106.2	116	132.8
57.8	121	132.7	146.3	172.4
67.5	144.2	161.3	181.2	213.3
77.3	168.5	191.6	220.8	254.3
87	195.2	223.3	263.1	295
90.5**	205.2	237	278.3	309.7
96.8	223.5	262.6	305.4	335.9
106.5	253.1	304	347.7	376.9
116.3	284.1	348.2	389.7	418.2
126	316.2	392.2	431.5	459.8
135.8	354.8	436	473.4	501.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
48*	129.7	136	140.5	145.1
57.8	162.3	169.5	174.6	179.9
67.5	196.1	204.1	209.7	215.4
77.3	230.7	239.3	245.4	251.6
87	266.2	275.6	281.8	288.3
90.5**	279.2	288.7	295.1	301.6
96.8	302.5	312.2	318.9	325.7
106.5	339.5	349.6	356.6	363.5
116.3	377	387.6	394.7	402.3
126	415.2	425.8	433.2	440.8
135.8	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 500

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.2*	116.7	127.2	137	151.2
33.4	139.2	153.7	166.9	189.2
38.6	162.3	181.3	198.4	230.9
43.8	186.1	210.2	232.3	273.3
48.9	210.8	240.2	272	318.9
49.9**	215.5	245.9	279.7	327.5
54.1	236.5	271.4	314.1	366.1
59.3	263	304.5	357.2	414
64.5	290.5	342.6	402.7	462.7
69.7	318.8	384.4	450.2	511.5
74.8	348.2	427.3	498.7	560.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.2*	146.5	157.1	164.6	172.5
33.4	180.2	192.6	201.3	210.2
38.6	215.1	229.2	238.8	248.8
43.8	251.1	266.7	277.4	288.5
48.9	288.1	305.1	316.6	328.2
49.9**	295.1	312.3	324.1	335.7
54.1	326.2	344.3	356.7	369
59.3	364.7	384.2	397.3	410.5
64.5	404.1	424.7	438.4	451.9
69.7	444.2	465.7	480	494.3
74.8	484.8	507.3	522.1	537

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-9A/C NIGTHINGALE which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAE (HS) Hawk T MK1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.4*	28.1	29.0	29.9	30.4
4.4	34.6	36.8	37.8	38.5
5.3	41.8	44.5	45.7	46.5
6.2	49.1	52.2	53.5	54.5
7.1	56.4	59.9	61.4	62.5
7.7**	61.8	65.5	67.2	68.3
8.0	63.7	67.6	69.3	70.5
8.9	71.0	75.2	77.1	78.4
9.8	78.2	82.9	84.9	86.4
10.7	85.4	90.5	92.8	94.4
11.6	92.6	98.1	100.6	102.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.4*	26.2	26.8	27.3	27.7
4.4	33.2	34.0	34.6	35.3
5.3	40.3	41.3	42.0	42.7
6.2	47.3	48.5	49.4	50.2
7.1	54.4	55.8	56.7	57.7
7.7**	59.6	61.1	62.2	63.3
8.0	61.5	63.1	64.1	65.2
8.9	68.5	70.3	71.5	72.7
9.8	75.6	77.6	78.9	80.2
10.7	82.7	84.9	86.2	87.7
11.6	89.8	92.1	93.6	95.2

* Minimum operating weight

** Maximum takeoff weight

BAE 146-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
23.3*	91.5	100.2	106.8	115.4
28.1	110.4	122.2	131.3	144.3
32.8	129.7	144.8	156.7	176.2
37.6	149.2	168.1	183.2	209.8
42.4	169.1	192.2	212.5	245
44.2**	176.8	201.5	224.2	258.7
47.2	189.4	217	243.7	282.8
52	210.2	242.6	276.3	322.1
56.8	231.5	270.4	310.2	362.1
61.6	253.3	299.8	345.3	405.3
66.3	275.6	330.6	384.8	450.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
23.3*	106.6	116.1	123.2	130.7
28.1	133.9	145.7	154.3	163.2
32.8	162.6	176.6	186.5	196.7
37.6	192.4	208.4	219.5	230.8
42.4	223.2	241.1	253.4	266
44.2**	235.1	253.6	266.5	279.5
47.2	254.8	274.6	288	301.8
52	287.3	308.7	323.2	337.6
56.8	320.6	343.6	359	374.3
61.6	354.5	378.9	395.2	411.7
66.3	389	414.8	431.9	448.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.4*	95.8	105.2	112.3	121.6
29.4	115.7	128.3	138.2	152.8
34.4	135.9	152.2	165.1	186.8
39.4	156.5	176.9	193.6	222.6
44.4	177.5	202.4	225.3	260.1
46.3**	185.6	212.3	237.7	275.5
49.4	199	228.7	258.6	300.9
54.4	221	256.5	293.4	342.3
59.4	243.5	286.5	329.6	386
64.4	266.6	318.2	369.2	432.7
69.4	290.4	351.3	410.4	480.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.4*	112.7	122.7	130.2	138
29.4	141.6	154.1	163	172.3
34.4	172.1	186.7	197	207.7
39.4	203.6	220.3	232	243.7
44.4	236.2	254.8	267.7	280.8
46.3**	248.8	268.2	281.4	295.1
49.4	269.7	290.3	304.2	318.1
54.4	304.1	326.4	341.3	356.2
59.4	339.6	363.1	379.1	395.3
64.4	375.3	400.5	417.3	434.1
69.4	411.7	438.4	456	473.5

* Minimum operating weight

** Maximum takeoff weight

BAE Buccaneer S MK 2A & 3B

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.0*	135.9	133.8	132.8	132.1
16.9	164.4	161.8	160.7	159.8
19.9	193.0	189.9	188.5	187.5
22.8	221.5	218.0	216.4	215.2
25.7	250.1	246.1	244.2	242.9
26.9**	261.7	257.5	255.6	254.2
28.6	278.7	274.1	272.1	270.7
31.6	307.2	302.2	300.0	298.4
34.5	335.8	330.3	327.9	326.1
37.4	364.4	358.4	355.8	353.8
40.4	393.0	386.5	383.7	381.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.0*	137.9	136.9	136.1	135.4
16.9	166.6	165.3	164.5	163.7
19.9	195.5	193.9	192.9	191.9
22.8	224.3	222.6	221.4	220.1
25.7	253.1	251.1	249.8	248.4
26.9**	264.8	262.8	261.4	260.0
28.6	281.8	279.7	278.3	276.9
31.6	310.7	308.2	306.6	304.9
34.5	339.4	336.8	335.2	333.2
37.4	368.2	365.3	363.6	361.5
40.4	397.0	393.9	392.0	389.8

* Minimum operating weight

** Maximum takeoff weight

BAE Jetstream T MK3
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	26.0	28.8	32.4	34.7
4.9	28.9	33.8	37.7	40.3
5.6	31.4	38.7	43.0	45.9
6.3	33.8	43.6	48.2	51.5
6.9	35.7	48.1	53.2	56.7
7.0**	35.9	48.3	53.5	57.1
7.7	39.6	53.1	58.7	62.6
8.4	43.5	57.8	63.8	68.1
9.0	47.2	62.5	69.0	73.7
9.7	50.9	67.2	74.2	79.2
10.4	54.6	71.8	79.3	84.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	21.3	23.4	24.9	26.5
4.9	25.1	27.6	29.4	31.2
5.6	28.9	31.8	33.8	35.9
6.3	32.7	36.0	38.3	40.6
6.9	36.3	40.0	42.5	45.0
7.0**	36.5	40.2	42.7	45.3
7.7	40.3	44.4	47.2	50.0
8.4	44.2	48.7	51.7	54.6
9.0	48.0	52.9	56.1	59.3
9.7	51.9	57.1	60.6	63.9
10.4	55.8	61.4	65.0	68.6

* Minimum operating weight

** Maximum takeoff weight

**BAE Nimrod R MK1-MR MK2
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.4*	102.5	112.0	126.7	159.2
51.4	131.1	146.3	177.3	218.7
61.3	161.8	191.1	233.6	283.0
71.3	194.6	243.0	292.7	350.8
81.2	230.3	300.0	355.3	422.3
87.3**	259.7	335.7	394.9	468.1
91.1	278.9	358.7	420.5	497.9
101.1	330.6	419.4	488.4	576.6
111.0	388.8	482.3	558.8	655.9
121.0	447.8	547.3	632.0	735.7
130.9	508.2	614.2	708.0	816.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.4*	119.6	127.4	138.3	154.3
51.4	154.7	169.7	186.9	208.2
61.3	194.0	217.5	240.0	266.1
71.3	237.7	269.9	297.2	327.3
81.2	286.1	326.1	357.8	392.1
87.3**	318.0	362.2	396.3	432.6
91.1	338.8	385.8	421.3	458.7
101.1	395.2	448.6	487.7	528.5
111.0	455.1	514.3	556.8	600.6
121.0	518.2	582.7	627.9	674.5
130.9	584.1	653.5	701.2	750.1

* Minimum operating weight

** Maximum takeoff weight

BAE Pembroke C MK1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	14.3	15.3	16.2	18.8
5.1	15.4	16.6	17.6	21.7
5.6	16.4	17.8	19.0	25.0
6.1	17.5	19.0	20.8	28.3
6.1	17.5	19.0	20.8	28.3
6.6**	18.4	20.1	23.4	31.7
7.1	19.3	21.2	26.0	35.1
7.7	20.2	22.3	29.0	38.9
8.2	21.0	23.3	32.1	43.0
8.7	21.8	24.3	35.2	47.1
9.2	22.6	25.5	38.4	51.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	11.3	12.2	13.1	14.6
5.1	12.2	13.3	14.4	17.5
5.6	13.1	14.4	17.0	20.3
6.1	14.0	16.2	19.6	23.3
6.1	14.0	16.2	19.6	23.3
6.6**	14.9	18.6	22.3	26.2
7.1	15.9	21.1	25.1	29.2
7.7	18.0	23.6	27.9	32.2
8.2	20.1	26.2	30.7	35.3
8.7	22.3	28.9	33.6	38.3
9.2	24.6	31.6	36.5	41.4

* Minimum operating weight

** Maximum takeoff weight

BAE146-100
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.2*	83.2	90.8	96.3	103.6
25.1	98.6	108.4	115.9	125.6
29.0	114.1	126.4	136.0	150.2
32.9	129.7	144.9	156.8	176.3
36.8	145.6	163.9	178.3	203.6
37.5**	148.7	167.5	182.5	208.9
40.7	161.8	183.3	201.5	231.9
44.6	178.2	203.2	226.3	261.4
48.5	194.8	223.7	252.2	293.0
52.4	211.8	244.6	278.9	325.2
56.3	229.2	267.3	306.5	357.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.2*	95.1	103.5	109.9	116.8
25.1	116.7	127.0	134.7	142.8
29.0	139.2	151.5	160.3	169.5
32.9	162.7	176.7	186.6	196.8
36.8	186.9	202.6	213.5	224.6
37.5**	191.6	207.6	218.7	229.9
40.7	211.8	229.0	240.9	253.0
44.6	237.3	256.0	268.9	282.0
48.5	263.3	283.5	297.2	310.9
52.4	289.9	311.4	326.0	340.4
56.3	317.0	339.8	355.1	370.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-120B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
57.8*	129.9	134.9	140.7	153.2
70.9	159.1	166.9	176.5	198.7
83.9	188.6	200.0	214.9	250.5
96.9	218.5	234.5	256.9	307.8
109.9	248.9	270.4	302.6	376.1
116.7**	265.0	289.8	327.9	414.5
123.0	280.0	308.6	352.4	451.9
136.0	311.7	349.2	406.2	539.7
149.0	344.2	392.2	466.2	637.7
162.1	377.7	438.0	534.6	738.2
175.1	412.1	486.7	607.5	839.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
57.8*	126.5	134.1	145.0	163.5
70.9	157.8	172.0	190.2	217.0
83.9	191.8	214.6	240.9	276.3
96.9	228.7	261.8	296.5	339.9
109.9	269.2	313.8	356.4	406.9
116.7**	291.5	342.3	389.0	442.5
123.0	313.4	369.7	420.0	476.9
136.0	361.1	429.4	486.8	550.3
149.0	412.8	492.8	556.7	625.9
162.1	468.0	558.8	629.1	703.5
175.1	526.5	627.8	703.9	783.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.8*	145.7	150.7	157.4	172.8
82.3	185.3	194.2	206.6	237.8
99.8	225.6	240.0	261.4	313.1
117.3	266.8	288.2	323.2	403.2
134.9	309.1	340.0	392.1	509.0
148.3**	342.4	383.3	449.7	605.8
152.4	352.6	396.8	467.9	636.1
169.9	397.7	458.4	557.6	769.5
187.4	444.5	525.1	657.7	903.8
205.0	493.0	596.8	772.0	1039.0
222.5	545.7	676.9	901.2	1176.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.8*	143.1	153.0	166.7	188.4
82.3	187.4	207.4	231.3	264.0
99.8	236.8	270.0	304.5	347.8
117.3	292.1	340.3	385.1	437.8
134.9	354.0	417.4	471.9	532.7
148.3**	405.9	480.8	542.1	609.0
152.4	422.3	500.7	563.8	632.2
169.9	496.6	589.1	660.4	735.4
187.4	576.5	682.3	760.7	842.2
205.0	661.5	779.5	864.3	952.4
222.5	751.2	879.9	971.5	1064.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320C
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.4*	140.2	144.7	150.8	164.4
79.8	182.3	190.9	202.8	232.5
98.2	225.2	239.5	260.8	312.3
116.6	269.1	291.0	326.9	408.8
135.0	314.3	346.7	401.0	524.0
151.3**	355.7	400.9	473.4	645.1
153.4	361.0	408.0	482.9	660.6
171.8	409.4	474.8	582.1	803.5
190.2	459.8	547.4	691.5	946.7
208.6	513.2	625.7	820.3	1091.7
227.0	570.2	717.7	962.3	1239.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.4*	137.2	146.0	158.4	178.5
79.8	183.8	203.0	226.1	257.9
98.2	236.3	269.3	303.7	347.0
116.6	295.3	344.5	389.8	442.5
135.0	362.0	427.2	482.7	544.6
151.3**	427.2	506.6	570.3	639.2
153.4	435.8	517.0	581.6	651.3
171.8	516.3	612.3	685.5	762.7
190.2	603.0	712.9	793.3	877.2
208.6	695.5	817.7	905.1	995.4
227.0	793.0	926.5	1020.7	1116.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-420
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
72.0*	154.9	163.2	172.7	193.7
87.6	188.6	201.2	216.5	253.4
103.2	222.8	241.0	265.3	320.9
118.8	257.7	282.8	319.4	401.3
134.3	293.4	327.2	379.1	493.0
141.5**	310.2	349.1	408.4	542.7
149.9	330.1	375.6	444.1	603.4
165.5	367.9	427.5	519.2	719.6
181.1	406.9	483.4	603.4	837.4
196.7	447.2	543.3	694.5	955.1
212.3	490.0	607.1	802.3	1074.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
72.0*	152.2	166.0	183.7	210.3
87.6	190.8	214.5	241.8	278.4
103.2	233.3	269.4	306.5	352.6
118.8	280.4	330.4	376.9	431.0
134.3	332.7	396.8	452.4	513.8
141.5**	358.5	429.1	488.3	553.4
149.9	390.1	468.1	531.6	600.3
165.5	452.4	543.6	614.7	689.8
181.1	519.2	623.1	701.0	781.8
196.7	590.2	706.0	789.9	876.7
212.3	665.4	791.8	881.5	973.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 717-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.1*	136.8	148.2	159.4	177.6
36.8	163.4	178.9	194.8	222.0
42.5	190.6	211.7	233.2	270.3
48.2	218.7	246.0	273.8	319.4
53.9	247.7	281.9	320.6	372.5
54.9**	253.1	288.7	329.5	382.3
59.5	278.2	320.2	369.9	427.6
65.2	310.2	360.2	418.9	483.6
70.9	343.4	406.0	472.6	539.6
76.6	377.7	455.6	528.0	595.7
82.3	413.3	506.2	583.9	650.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.1*	173.4	184.9	193.0	201.5
36.8	212.9	226.3	235.6	245.3
42.5	253.8	269.0	279.4	290.4
48.2	296.0	312.8	324.3	335.8
53.9	339.6	357.6	370.0	382.3
54.9**	347.4	365.8	378.3	391.3
59.5	383.8	403.2	416.4	429.6
65.2	429.0	449.6	463.6	477.3
70.9	475.0	497.0	511.2	525.9
76.6	521.7	544.4	559.7	575.0
82.3	569.2	592.9	608.4	624.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 720
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
50.3*	108.2	115.3	121.9	134.4
62.0	133.3	143.7	154.6	176.4
73.8	158.6	173.3	189.6	225.3
85.5	184.3	204.3	228.1	285.8
97.3	210.5	236.9	270.1	351.9
104.0**	225.8	256.4	296.1	392.4
109.0	237.3	271.3	316.8	427.5
120.8	264.8	308.4	374.3	516.2
132.5	293.2	347.5	435.8	613.2
144.3	322.4	389.3	502.0	707.2
156.0	352.8	436.5	576.3	801.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
50.3*	103.1	112.1	123.9	142.6
62.0	130.3	146.6	166.0	193.1
73.8	160.5	186.1	213.8	248.5
85.5	194.0	230.6	266.2	308.5
97.3	231.3	279.7	322.9	371.7
104.0**	254.5	309.9	357.0	409.2
109.0	272.6	332.8	383.0	438.0
120.8	318.1	389.7	446.5	506.2
132.5	367.3	449.8	512.2	577.3
144.3	420.0	512.7	580.6	650.3
156.0	476.1	578.2	651.1	725.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 720B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
52.2*	109.9	117.2	124.0	137.3
64.1	134.8	145.4	156.6	179.1
76.0	160.0	174.9	191.5	228.3
87.9	185.5	205.7	229.9	288.6
99.8	211.5	238.2	271.7	354.5
106.3**	225.8	256.4	296.1	392.4
111.7	238.1	272.4	318.4	430.0
123.7	265.4	309.3	375.6	518.3
135.6	293.6	348.1	436.8	614.6
147.5	322.7	389.7	502.5	707.9
159.4	352.7	436.5	576.3	801.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
52.2*	104.9	114.2	126.5	145.8
64.1	132.0	148.8	168.7	196.2
76.0	162.1	188.3	216.4	251.6
87.9	195.6	232.7	268.7	311.2
99.8	232.8	281.6	325.1	374.1
106.3**	254.5	309.9	357.0	409.2
111.7	273.9	334.5	384.8	439.8
123.7	319.2	391.0	447.9	507.7
135.6	368.0	450.7	513.2	578.3
147.5	420.4	513.2	581.1	650.8
159.4	476.1	578.2	651.1	725.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-100/100C

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.8*	174.0	185.5	195.9	214.9
48.1	211.5	227.8	244.2	271.4
56.5	249.9	271.7	295.8	330.6
64.8	289.2	318.3	350.5	396.0
73.2	329.4	367.5	407.1	465.0
76.7**	346.4	388.5	431.1	494.2
81.6	370.8	419.1	467.3	538.9
89.9	413.2	473.0	532.8	617.0
98.3	457.8	528.9	600.3	696.7
106.6	504.2	586.3	670.2	776.8
115.0	552.3	651.3	747.0	856.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.8*	210.4	224.7	235.2	246.5
48.1	264.6	282.2	294.9	308.0
56.5	321.4	341.9	356.5	371.4
64.8	380.1	403.4	419.6	436.2
73.2	440.6	466.4	484.2	502.3
76.7**	466.0	493.0	511.2	530.0
81.6	502.6	530.8	550.1	569.7
89.9	566.1	596.4	616.9	638.0
98.3	630.9	663.4	684.8	706.9
106.6	696.9	730.8	753.6	776.6
115.0	764.0	799.6	823.2	847.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
46.0*	213.4	222.2	233.6	256.4
56.7	265.5	279.6	299.7	330.8
67.4	319.1	341.0	370.6	414.5
78.2	374.4	406.5	444.3	503.7
88.9	431.4	475.8	525.0	601.3
95.0**	464.9	516.8	573.7	657.7
99.6	491.1	548.0	611.4	701.2
110.4	553.9	622.7	701.2	803.6
121.1	619.3	706.3	799.6	905.9
131.8	687.6	793.3	901.5	1008.6
142.5	758.6	883.0	1006.5	1111.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
46.0*	263.5	277.0	286.9	297.7
56.7	338.2	354.8	367.0	379.6
67.4	416.2	435.5	449.4	463.8
78.2	496.9	519.0	534.2	550.3
88.9	579.9	604.2	620.4	638.6
95.0**	628.3	653.3	670.9	689.1
99.6	665.1	691.0	708.8	727.4
110.4	751.9	779.6	798.6	818.0
121.1	840.5	869.7	889.5	910.4
131.8	930.8	960.7	981.8	1003.4
142.5	1022.0	1053.6	1075.2	1097.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 7
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	198.2	205.6	215.0	234.8
51.7	239.4	250.7	266.2	293.3
60.4	281.5	297.5	320.6	355.3
69.0	324.6	347.4	377.9	423.3
77.6	368.8	399.8	436.7	494.6
80.5**	383.9	417.9	457.0	519.1
86.2	414.1	454.5	499.6	571.3
94.9	460.5	511.6	567.5	650.4
103.5	509.5	570.0	637.8	731.7
112.1	560.1	630.0	710.1	813.5
120.8	612.4	697.4	789.1	895.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	242.0	254.4	263.8	274.1
51.7	300.5	315.5	326.8	338.5
60.4	361.4	378.9	391.6	405.1
69.0	424.2	443.8	457.9	472.4
77.6	488.7	510.4	525.6	541.6
80.5**	510.7	532.8	548.6	565.0
86.2	554.9	578.3	594.4	611.7
94.9	622.1	647.1	664.5	682.6
103.5	690.9	717.2	735.2	753.4
112.1	760.4	788.3	807.3	827.1
120.8	831.2	860.4	880.0	900.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 8
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	201.8	207.8	216.4	235.7
52.0	245.4	255.0	269.9	296.5
61.0	290.0	304.1	326.8	361.2
69.9	335.6	356.6	386.6	432.2
78.9	382.4	411.7	448.2	506.6
82.4**	401.2	434.2	473.1	537.1
87.8	430.4	469.4	514.4	587.0
96.8	479.9	529.3	585.4	669.1
105.7	531.9	590.6	659.1	753.7
114.7	585.7	654.3	734.9	838.7
123.6	641.4	725.4	818.4	923.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	246.6	258.2	267.0	276.8
52.0	308.2	322.4	333.0	344.1
61.0	372.3	388.8	400.8	413.7
69.9	438.4	456.8	470.3	484.1
78.9	506.3	526.6	541.1	556.4
82.4**	533.5	554.6	569.6	585.3
87.8	575.8	597.9	613.2	630.0
96.8	646.7	670.2	686.5	703.9
105.7	719.1	743.7	760.9	779.0
114.7	792.2	818.6	836.1	854.9
123.6	866.6	893.7	912.4	932.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 9
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	205.8	211.0	219.5	238.8
53.1	255.5	264.7	280.2	307.5
63.0	306.5	321.1	345.3	382.0
73.0	358.8	381.4	413.3	463.5
83.0	412.6	445.1	483.9	549.6
88.5**	443.4	482.1	527.6	601.6
92.9	468.0	511.9	562.7	641.6
102.9	526.3	580.5	644.9	736.1
112.9	587.0	651.5	729.9	831.8
122.8	650.0	731.0	822.9	927.5
132.8	715.5	813.1	917.6	1023.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	252.1	263.2	271.7	281.4
53.1	322.3	336.1	346.5	357.5
63.0	395.3	411.6	423.5	436.1
73.0	470.9	489.3	502.5	516.6
83.0	548.6	569.0	583.2	598.8
88.5**	592.8	614.3	629.1	645.3
92.9	628.2	650.1	665.5	682.1
102.9	709.7	732.9	749.1	766.4
112.9	792.2	817.3	833.9	852.0
122.8	876.4	902.1	920.0	938.8
132.8	961.9	988.6	1007.1	1026.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
72.6*	359.6	381.3	412.7	462.2
79.5	397.2	425.4	461.7	521.3
86.4	435.5	471.1	513.8	584.8
90.0	455.4	495.1	542.1	617.7
93.4	474.6	518.3	569.4	648.7
100.3**	515.3	566.1	626.7	714.5
107.2	557.3	615.2	685.4	781.4
114.2	600.3	665.6	745.3	848.2
121.1	644.6	721.6	810.9	915.0
128.1	689.9	778.5	876.5	982.0
135.0	736.4	836.5	943.7	1049.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
72.6*	471.5	489.5	502.5	516.3
79.5	525.7	545.0	558.9	573.6
86.4	580.8	601.5	615.8	631.6
90.0	609.3	630.7	645.2	661.3
93.4	636.9	658.4	673.5	689.8
100.3**	693.8	716.2	731.9	749.0
107.2	751.1	774.4	791.1	808.1
114.2	809.4	834.0	850.4	868.6
121.1	868.3	893.2	911.0	929.2
128.1	928.1	953.6	971.4	990.4
135.0	988.0	1014.4	1032.6	1051.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-100
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.1*	116.3	123.9	130.5	139.9
33.3	138.1	148.3	157.2	170.8
38.5	160.1	173.3	184.9	204.9
43.7	182.4	199.0	213.9	242.0
48.9	205.2	225.4	244.3	279.7
49.9**	209.6	230.7	250.3	287.1
54.1	228.3	252.6	276.6	318.1
59.3	251.9	280.4	312.7	357.4
64.5	275.9	309.4	350.0	400.5
69.7	300.5	339.4	387.8	445.5
74.8	325.5	371.3	426.0	492.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.1*	136.1	146.1	153.5	161.6
33.3	166.8	178.9	187.8	197.2
38.5	198.8	213.0	223.1	233.6
43.7	231.8	247.9	259.3	271.2
48.9	265.7	283.7	296.2	309.1
49.9**	272.5	290.8	303.5	316.6
54.1	300.6	320.3	334.0	347.8
59.3	336.5	357.6	372.2	387.5
64.5	372.8	395.6	411.1	426.9
69.7	409.9	434.1	450.5	467.0
74.8	447.7	473.2	490.3	507.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.9*	102.2	108.2	113.3	120.5
30.8	126.7	135.4	142.9	154.1
36.8	151.5	163.4	173.8	190.5
42.7	176.8	192.2	206.0	231.9
48.6	202.4	222.0	240.1	274.5
52.2**	218.1	240.2	261.3	300.4
54.5	228.7	252.6	276.5	317.9
60.5	255.4	284.3	317.3	362.5
66.4	282.8	317.3	359.8	411.9
72.3	310.8	351.6	402.6	463.1
78.2	339.4	389.9	446.2	518.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.9*	116.8	125.1	131.6	138.7
30.8	150.6	161.5	169.5	178.3
36.8	186.2	199.5	209.0	219.0
42.7	223.2	238.6	249.7	261.2
48.6	261.4	279.0	291.3	304.0
52.2**	284.9	303.7	316.9	330.1
54.5	300.9	320.4	334.0	347.7
60.5	341.4	362.7	377.4	392.6
66.4	382.8	405.8	421.5	437.4
72.3	425.1	449.7	466.4	483.0
78.2	468.1	494.4	511.6	529.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200ADV/-200C/-200QC
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
29.6*	129.0	134.7	140.7	150.4
36.0	157.5	166.0	174.7	189.8
42.4	186.4	198.3	210.5	235.0
48.8	216.0	231.6	248.3	281.7
55.2	246.1	266.0	289.1	329.5
58.1**	260.1	282.1	309.5	351.7
61.6	277.0	301.8	334.5	379.0
68.0	308.6	339.2	381.4	434.0
74.4	340.9	378.0	428.7	491.1
80.8	374.1	422.3	477.3	551.9
87.2	408.0	468.4	528.4	613.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
29.6*	152.8	161.9	168.9	176.6
36.0	192.7	204.3	212.7	221.7
42.4	234.4	248.1	258.0	268.5
48.8	277.7	293.4	304.4	316.0
55.2	322.3	339.6	352.0	364.5
58.1**	342.9	361.1	373.9	387.0
61.6	367.9	387.0	400.4	414.2
68.0	414.7	435.3	449.6	464.1
74.4	462.4	484.5	499.5	515.1
80.8	511.0	534.4	550.3	566.7
87.2	560.4	585.0	601.5	618.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
32.9*	146.1	151.4	157.7	169.1
39.8	177.7	185.8	195.1	214.2
46.7	209.9	221.3	234.9	263.8
53.6	242.8	258.2	277.0	314.3
60.5	276.5	296.4	324.5	366.4
63.3**	290.4	312.5	344.7	388.7
67.4	310.9	336.4	374.5	423.5
74.2	346.3	378.1	425.1	483.7
81.1	382.5	424.5	476.9	548.1
88.0	419.7	474.0	530.5	613.5
94.9	457.8	524.8	589.6	677.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
32.9*	176.0	185.4	192.5	200.2
39.8	220.6	232.1	240.5	249.7
46.7	266.9	280.5	290.2	300.5
53.6	314.9	330.2	341.1	352.4
60.5	364.1	381.1	393.1	405.8
63.3**	384.6	402.1	414.6	427.4
67.4	414.6	433.1	446.0	459.2
74.2	466.2	485.8	499.7	513.9
81.1	518.7	539.7	554.4	569.4
88.0	572.2	594.5	609.5	625.5
94.9	626.5	649.6	665.4	682.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-400
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
38.6*	178.4	186.4	195.8	215.0
45.7	212.5	224.1	237.9	267.4
52.7	247.3	263.1	282.6	320.9
59.8	283.1	303.8	333.6	376.1
66.8	319.7	346.4	386.5	437.8
68.0**	326.1	353.9	395.7	448.7
73.9	357.3	390.9	440.3	502.4
80.9	395.9	441.9	495.5	571.1
88.0	435.6	494.9	554.4	639.5
95.0	476.4	548.6	617.6	706.8
102.1	518.5	603.3	683.1	774.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
38.6*	221.5	233.1	241.5	250.7
45.7	270.6	284.2	294.0	304.4
52.7	321.5	336.9	347.9	359.3
59.8	373.7	390.8	403.0	415.7
66.8	427.3	446.0	459.0	472.4
68.0**	436.6	455.7	468.8	482.3
73.9	482.1	502.3	516.0	530.6
80.9	537.9	559.2	574.1	589.3
88.0	594.7	617.4	632.5	648.7
95.0	652.5	675.9	691.8	708.8
102.1	711.1	735.2	751.8	768.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-500
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.3*	139.6	145.0	151.2	161.9
38.1	170.8	179.1	188.3	206.1
44.9	202.7	214.4	227.7	255.5
51.7	235.2	250.9	269.3	305.8
58.5	268.4	288.8	315.9	357.7
61.7**	284.2	307.0	338.9	382.7
65.3	302.5	328.4	365.9	413.9
72.1	337.5	369.7	416.2	474.0
78.9	373.3	415.3	467.9	537.9
85.7	410.0	464.5	521.0	603.8
92.5	447.7	515.3	579.9	667.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.3*	167.3	176.5	183.5	191.2
38.1	211.1	222.8	231.3	240.3
44.9	257.0	270.7	280.5	291.2
51.7	304.4	320.0	331.2	342.6
58.5	353.3	370.6	382.8	395.8
61.7**	376.5	394.5	407.2	420.6
65.3	403.4	422.4	435.5	448.9
72.1	454.6	474.9	488.9	503.4
78.9	506.8	528.4	543.4	558.8
85.7	560.1	582.9	598.3	614.7
92.5	613.9	638.1	654.0	671.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-600
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.4*	163.5	168.3	174.4	187.0
43.3	195.2	202.4	211.4	230.6
50.1	227.3	237.5	251.0	276.1
57.0	260.0	273.5	292.6	322.9
63.9	293.3	311.0	336.1	373.7
65.5**	301.3	320.2	346.8	386.2
70.8	327.1	350.4	381.2	427.3
77.7	361.7	391.3	427.2	483.1
84.6	396.9	433.6	474.5	541.4
91.4	432.8	477.5	527.0	603.7
98.3	469.6	522.5	580.6	665.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.4*	193.9	203.9	211.7	220.1
43.3	237.9	250.1	259.3	269.5
50.1	283.3	297.7	308.2	319.7
57.0	330.4	346.5	358.5	370.9
63.9	378.5	396.7	409.7	423.5
65.5**	390.2	408.7	422.0	435.9
70.8	427.9	447.6	461.7	476.4
77.7	478.4	499.8	514.7	530.4
84.6	529.7	552.3	568.5	585.2
91.4	581.9	606.2	622.5	640.6
98.3	635.0	660.3	677.9	696.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-700/700C

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	169.4	174.6	181.2	194.9
45.1	204.0	212.0	222.1	243.1
52.6	239.2	250.5	266.0	293.0
60.1	275.1	290.3	312.2	345.3
67.6	311.7	332.3	360.6	402.5
70.1**	323.7	346.4	376.7	421.9
75.1	349.0	376.1	410.3	462.6
82.6	387.1	421.8	461.3	524.4
90.1	426.0	469.2	517.1	592.1
97.6	466.0	518.2	575.3	659.5
105.1	507.8	568.0	635.4	728.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	202.0	212.4	220.4	229.2
45.1	250.3	263.1	272.6	283.3
52.6	300.3	315.3	326.6	338.2
60.1	352.1	369.3	381.7	395.1
67.6	405.3	424.3	438.0	452.1
70.1**	423.0	442.5	456.5	471.0
75.1	459.8	480.6	495.2	510.6
82.6	515.5	537.6	553.6	570.0
90.1	572.2	596.2	612.5	630.1
97.6	629.9	654.9	672.6	690.7
105.1	688.6	714.9	733.0	751.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-800
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.4*	190.6	197.5	206.0	224.2
50.0	231.5	242.0	256.2	282.0
58.5	273.2	288.1	309.7	342.3
67.1	315.8	337.1	366.3	409.2
75.7	359.6	388.7	424.4	479.7
79.0**	376.8	409.4	447.6	507.7
84.3	404.4	442.7	485.4	554.5
92.8	450.3	499.0	552.6	632.9
101.4	498.4	556.8	621.9	713.4
110.0	548.4	616.2	693.4	794.8
118.5	600.0	681.4	770.3	876.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.4*	231.4	243.4	252.3	262.3
50.0	289.2	303.8	314.5	326.2
58.5	349.3	366.4	378.8	392.1
67.1	411.4	430.6	444.4	458.7
75.7	475.3	496.7	511.4	527.2
79.0**	500.5	522.4	537.9	554.2
84.3	540.6	563.6	579.9	596.8
92.8	607.3	632.3	649.2	667.4
101.4	675.5	701.5	719.5	738.4
110.0	744.4	772.1	790.9	810.1
118.5	814.6	843.6	862.9	883.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
42.9*	197.7	205.1	214.4	234.1
51.3	237.9	249.1	264.3	291.1
59.7	278.9	294.6	317.3	351.3
68.1	320.9	343.1	373.0	417.4
76.5	363.9	393.9	430.2	486.8
79.0**	376.9	409.5	447.7	507.9
84.9	408.0	447.1	490.7	560.7
93.3	453.1	502.5	556.7	637.6
101.7	500.5	559.2	624.8	716.8
110.1	549.5	617.5	695.0	796.6
118.5	600.2	681.6	770.6	876.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
42.9*	241.4	253.7	263.1	273.4
51.3	298.4	313.3	324.5	336.2
59.7	357.7	375.1	387.6	401.1
68.1	418.9	438.2	452.2	466.6
76.5	481.6	503.2	518.1	534.0
79.0**	500.6	522.6	538.1	554.4
84.9	545.9	569.1	585.1	602.3
93.3	611.4	636.5	653.5	671.7
101.7	678.3	704.4	722.4	741.3
110.1	746.0	773.6	792.5	811.8
118.5	814.8	843.8	863.1	883.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900ER
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.7*	212.3	219.1	229.1	250.3
53.9	258.1	268.9	285.9	314.4
63.1	305.0	321.3	346.4	384.3
72.4	353.1	377.1	409.5	459.9
81.6	402.5	435.7	474.8	539.3
85.1**	421.9	459.1	502.1	572.5
90.8	453.2	497.1	547.2	625.0
100.0	506.2	560.4	622.8	712.0
109.3	561.6	625.5	700.9	800.9
118.5	618.9	696.7	784.8	889.7
127.7	678.2	772.0	872.1	978.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.7*	261.3	273.6	282.8	292.8
53.9	326.6	341.2	352.3	363.8
63.1	394.0	411.2	423.6	436.9
72.4	463.8	483.0	496.7	511.2
81.6	535.3	556.5	571.5	587.2
85.1**	563.5	585.3	600.4	616.8
90.8	608.6	631.6	647.2	664.5
100.0	683.5	707.6	724.3	742.0
109.3	759.4	785.0	802.6	821.2
118.5	836.7	863.5	881.7	901.3
127.7	915.4	942.9	962.0	982.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
45.4*	204.8	213.0	223.3	244.5
53.3	242.0	253.8	269.8	297.4
61.2	280.0	296.0	319.0	353.4
69.1	318.7	340.8	370.5	414.5
77.1	358.3	387.6	423.2	478.4
77.8**	362.0	392.0	428.2	484.4
85.0	398.8	436.4	478.0	545.7
92.9	440.3	487.1	538.6	617.1
100.8	483.3	539.2	600.9	689.3
108.8	528.0	592.5	665.2	763.1
116.7	574.1	648.5	731.8	836.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
45.4*	251.4	264.4	274.0	284.8
53.3	304.4	319.7	331.1	342.9
61.2	359.3	376.8	389.5	403.1
69.1	415.8	435.2	449.2	463.6
77.1	473.7	495.0	509.9	525.7
77.8**	479.1	500.7	515.6	531.5
85.0	532.8	555.6	571.9	588.7
92.9	593.0	617.8	634.3	652.5
100.8	654.5	680.3	698.0	716.7
108.8	716.9	744.0	762.7	781.8
116.7	779.8	808.2	827.4	847.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ2
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.0*	202.5	210.5	220.5	241.2
52.3	242.1	253.9	270.0	297.6
60.6	282.6	298.9	322.4	357.6
68.8	324.0	346.9	377.5	422.9
77.1	366.3	397.2	434.0	491.4
79.0**	376.2	409.0	447.2	507.4
85.4	409.7	449.6	493.9	564.7
93.7	454.2	504.3	559.0	640.5
102.0	500.9	560.1	626.2	718.5
110.2	549.1	617.5	695.3	797.1
118.5	599.0	680.7	769.8	875.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.0*	248.2	261.0	270.6	281.2
52.3	304.6	319.9	331.3	343.1
60.6	363.1	380.8	393.6	407.2
68.8	423.5	443.1	457.2	471.8
77.1	485.4	507.1	522.2	538.4
79.0**	499.7	521.8	537.3	553.7
85.4	548.9	572.1	588.3	605.6
93.7	613.2	638.5	655.4	673.9
102.0	679.1	705.4	723.4	742.4
110.2	745.7	773.5	792.4	811.8
118.5	813.4	842.6	862.0	882.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-8
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
192.3*	234.3	236.9	245.5	271.2
244.9	298.7	306.3	324.4	377.6
297.5	364.2	379.2	413.6	510.5
350.0	431.5	457.2	513.4	666.9
402.6	500.3	541.8	633.0	846.0
443.6**	555.4	613.4	737.7	990.2
455.2	571.2	634.5	769.1	1033.6
507.7	644.7	733.8	921.8	1235.9
560.3	721.5	850.6	1094.1	1462.8
612.9	801.9	978.8	1279.3	1695.2
665.4	887.5	1119.4	1473.4	1937.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
192.3*	231.9	253.6	279.2	315.0
244.9	310.7	350.6	391.3	442.5
297.5	400.5	461.2	516.5	581.6
350.0	501.5	583.4	652.5	729.9
402.6	613.4	716.1	797.7	886.1
443.6**	708.0	826.1	916.4	1013.0
455.2	735.6	857.7	950.6	1049.3
507.7	866.9	1006.9	1110.2	1217.7
560.3	1006.1	1162.9	1275.2	1391.4
612.9	1152.5	1324.5	1445.8	1569.7
665.4	1305.9	1491.8	1621.0	1752.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-100B/300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
162.4*	186.5	190.2	196.8	212.9
201.0	230.6	237.6	249.3	280.6
239.7	275.2	286.9	305.9	359.8
278.4	320.3	337.8	367.6	449.4
317.0	366.3	391.1	437.6	552.6
340.2**	394.3	424.5	483.1	625.1
355.7	413.2	447.5	514.9	674.4
394.3	461.2	507.3	599.2	803.0
433.0	510.1	572.8	691.0	940.9
471.6	560.4	644.3	793.7	1082.3
510.3	612.1	720.6	912.3	1237.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
162.4*	179.1	192.6	210.3	237.4
201.0	228.1	252.8	281.4	320.4
239.7	282.2	320.9	360.9	411.6
278.4	342.2	396.5	447.6	508.5
317.0	408.2	478.7	540.6	611.4
340.2**	450.8	530.9	599.2	675.2
355.7	480.4	567.1	639.4	718.9
394.3	558.7	661.2	742.5	830.1
433.0	642.1	760.0	849.6	945.2
471.6	731.3	862.9	960.9	1063.5
510.3	825.1	969.9	1075.4	1184.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200B/-200B Combi/-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
170.6*	192.2	196.5	203.9	221.7
214.6	241.6	250.0	263.4	300.3
258.6	291.5	305.6	328.5	392.6
302.7	342.3	363.6	401.3	498.8
346.7	394.2	425.2	484.5	627.8
377.8**	431.7	471.2	548.7	726.9
390.7	447.4	490.8	576.4	767.8
434.7	501.9	561.6	677.5	922.0
478.7	557.8	642.1	791.5	1080.0
522.7	615.7	727.9	924.6	1253.9
566.8	675.8	820.1	1065.4	1430.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
170.6*	185.0	200.0	219.3	248.2
214.6	240.8	269.1	300.7	342.9
258.6	303.3	347.9	392.4	447.4
302.7	373.2	435.9	492.7	559.0
346.7	450.9	531.8	600.6	677.0
377.8**	510.5	604.3	680.8	764.3
390.7	536.1	635.2	714.7	800.3
434.7	628.4	744.9	833.7	928.7
478.7	727.7	859.7	958.0	1060.8
522.7	832.9	979.8	1086.5	1196.3
566.8	943.3	1104.5	1218.6	1335.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200C/-200F
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
155.2*	178.5	181.9	187.9	202.3
200.9	230.7	238.0	249.9	281.7
246.7	283.5	296.6	317.7	377.0
292.4	337.2	357.7	393.0	487.4
338.1	392.1	422.6	481.0	622.3
377.8**	441.0	482.7	564.9	751.5
383.9	448.5	492.1	578.2	770.8
429.6	506.2	568.6	685.9	934.2
475.3	565.7	653.6	809.4	1103.9
521.0	627.4	745.6	951.9	1288.6
566.8	691.7	844.9	1103.1	1476.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
155.2*	170.5	182.5	198.6	223.6
200.9	228.1	253.0	281.9	321.2
246.7	292.7	334.7	377.1	429.9
292.4	365.9	426.7	482.3	547.4
338.1	447.6	527.7	596.1	672.4
377.8**	525.5	622.4	700.7	785.0
383.9	537.8	637.3	716.9	802.7
429.6	636.0	753.8	843.3	938.9
475.3	742.0	876.3	975.6	1079.3
521.0	854.4	1004.2	1112.4	1223.7
566.8	972.9	1137.2	1253.2	1372.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-300 Combi
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
174.8*	204.0	207.7	215.3	235.3
218.4	254.8	262.6	276.8	317.6
261.9	306.3	319.7	344.1	413.4
305.5	358.7	379.5	420.1	523.9
349.0	412.4	443.0	506.3	658.5
377.8**	448.6	487.4	568.2	753.1
392.6	467.3	511.0	601.3	803.1
436.1	523.5	585.9	706.0	957.1
479.7	581.5	668.2	826.1	1122.5
523.2	641.4	756.9	962.5	1298.7
566.8	703.8	852.2	1106.1	1478.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
174.8*	198.6	215.3	236.2	267.1
218.4	257.3	287.8	321.1	364.9
261.9	323.2	370.2	416.1	472.1
305.5	396.6	461.5	519.6	587.1
349.0	477.8	560.6	630.4	707.5
377.8**	535.7	630.4	707.1	790.4
392.6	566.6	667.2	747.1	833.6
436.1	662.4	779.7	868.9	964.2
479.7	765.0	897.3	995.9	1098.6
523.2	873.3	1020.3	1126.9	1236.8
566.8	987.1	1147.6	1261.5	1378.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-400
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
224.1*	265.7	273.5	288.6	333.4
264.9	315.0	328.0	353.3	425.9
305.8	365.1	385.1	426.3	531.6
346.7	416.3	445.6	508.2	659.8
387.6	468.8	510.0	598.0	795.8
394.6**	477.9	521.7	614.3	821.2
428.4	522.3	580.5	696.3	943.3
469.3	577.3	657.9	806.7	1094.7
510.2	634.1	740.9	934.3	1261.0
551.1	693.0	829.6	1068.9	1429.8
591.9	754.3	924.5	1214.6	1601.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
224.1*	271.1	303.8	338.9	384.7
264.9	335.0	383.3	430.2	486.8
305.8	405.7	470.7	528.9	596.1
346.7	483.3	565.1	634.1	710.5
387.6	567.6	666.0	744.6	829.8
394.6**	582.7	684.0	764.1	850.9
428.4	658.2	772.3	859.5	953.0
469.3	754.9	883.3	979.3	1080.1
510.2	856.7	998.7	1102.6	1210.2
551.1	963.2	1118.4	1229.2	1343.6
591.9	1074.2	1241.6	1359.2	1479.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-SP
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
147.7*	163.9	165.4	169.9	182.0
183.8	203.7	207.5	216.1	239.0
220.0	243.8	251.1	265.3	306.9
256.1	284.3	296.3	318.6	383.0
292.2	325.6	343.1	376.8	468.5
315.2**	352.2	374.2	419.3	531.6
328.4	367.5	392.3	443.9	571.0
364.5	410.4	444.3	515.9	683.2
400.6	454.4	499.5	594.0	801.6
436.7	499.0	561.0	678.7	923.4
472.9	544.9	626.3	776.2	1053.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
147.7*	156.8	167.2	181.2	203.1
183.8	200.4	220.0	243.0	275.5
220.0	248.3	279.4	312.2	354.5
256.1	301.1	345.2	388.0	439.9
292.2	359.1	417.2	469.4	529.8
315.2**	398.7	465.7	523.7	589.5
328.4	422.3	494.3	555.6	624.1
364.5	490.7	576.5	646.2	721.9
400.6	564.0	663.2	740.5	822.7
436.7	641.8	753.6	837.7	927.0
472.9	723.8	847.3	938.5	1033.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-200PF
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.7*	115.6	118.6	123.4	134.5
65.3	145.9	151.6	160.7	181.7
78.9	176.5	186.2	201.1	240.4
92.5	207.7	222.5	245.4	306.4
106.1	239.6	261.0	294.8	386.3
116.1**	263.5	290.6	338.8	450.8
119.7	272.3	301.7	354.7	475.4
133.4	306.1	345.2	417.8	577.7
147.0	341.0	392.2	492.3	685.8
160.6	377.2	443.3	574.8	795.4
174.2	414.7	505.9	663.9	907.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.7*	110.9	120.1	132.0	150.0
65.3	145.0	162.6	182.4	208.9
78.9	183.5	211.5	239.4	273.7
92.5	226.7	266.3	301.9	343.6
106.1	275.0	326.1	369.2	416.9
116.1**	313.5	373.0	420.9	472.8
119.7	328.2	390.6	440.2	493.7
133.4	385.9	459.0	514.8	573.9
147.0	447.9	531.0	592.5	656.4
160.6	513.6	606.1	672.8	741.6
174.2	582.8	684.1	755.2	827.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.3*	148.6	153.3	161.8	182.5
77.6	179.5	187.8	202.1	240.7
90.8	211.0	224.2	246.1	305.7
104.1	243.3	262.6	295.2	384.8
117.4	276.4	303.3	354.6	472.8
122.5**	289.3	319.6	377.9	510.6
130.6	310.5	346.7	417.0	572.8
143.9	345.7	393.5	489.7	680.0
157.2	382.1	444.2	571.1	788.3
170.4	419.9	506.0	659.0	898.8
183.7	459.2	567.2	759.3	1013.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.3*	148.8	166.0	185.4	211.2
77.6	187.8	215.1	242.2	275.8
90.8	231.5	269.8	304.5	345.3
104.1	279.9	329.4	371.3	418.0
117.4	333.2	393.6	441.9	494.1
122.5**	354.8	419.3	469.8	524.2
130.6	390.9	461.6	515.8	573.5
143.9	452.7	533.0	592.9	655.4
157.2	518.2	607.6	672.5	738.9
170.4	587.0	685.0	754.3	824.9
183.7	659.1	764.6	838.0	913.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.1*	183.2	186.8	193.4	209.1
95.0	217.0	223.1	233.3	259.5
109.9	251.0	260.3	275.5	316.9
124.9	285.2	298.6	320.4	381.9
139.8	319.9	337.9	368.7	453.4
142.9**	327.2	346.3	379.3	469.3
154.7	355.1	378.8	420.3	532.7
169.6	390.8	421.3	479.0	623.0
184.5	427.1	465.9	542.0	720.4
199.4	464.0	512.7	609.4	819.2
214.3	501.5	562.3	681.6	926.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.1*	174.8	188.7	206.5	233.4
95.0	212.0	234.4	260.5	297.0
109.9	252.2	284.9	319.6	365.3
124.9	295.8	339.8	383.5	437.7
139.8	343.0	399.4	451.6	513.2
142.9**	353.3	412.3	466.4	529.6
154.7	393.9	462.8	523.4	592.6
169.6	448.5	529.9	598.6	674.7
184.5	506.8	600.7	676.8	759.4
199.4	568.5	674.6	757.5	845.9
214.3	633.5	751.3	840.4	935.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200ER
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.4*	185.3	189.0	195.8	212.1
103.1	231.5	238.9	251.0	282.6
123.8	278.2	290.7	311.0	368.1
144.5	325.5	344.4	376.8	465.7
165.2	373.8	401.0	450.7	577.8
179.2**	407.0	441.1	506.8	666.2
185.9	423.2	461.1	535.1	709.9
206.6	473.7	525.3	627.7	847.1
227.3	525.4	594.1	729.6	990.8
248.0	578.6	672.3	843.0	1147.1
268.8	633.6	756.5	973.4	1315.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.4*	177.0	191.3	209.6	237.2
103.1	228.9	255.3	285.2	325.3
123.8	286.5	328.1	370.1	422.1
144.5	350.9	409.3	463.1	525.8
165.2	422.2	498.0	562.6	635.6
179.2**	474.2	561.2	633.4	712.2
185.9	500.4	593.0	668.4	750.4
206.6	585.0	694.3	778.8	869.2
227.3	676.0	800.6	893.8	992.2
248.0	772.7	911.3	1013.0	1118.1
268.8	874.3	1026.6	1135.7	1247.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.1*	198.0	202.0	209.6	228.8
103.0	236.7	243.8	256.1	289.1
119.9	275.8	286.9	305.8	359.9
136.8	315.2	331.3	359.6	438.8
153.7	355.3	377.5	418.3	527.5
158.8**	367.6	391.9	437.0	556.3
170.6	396.1	425.9	484.1	629.5
187.4	437.7	477.0	556.3	740.3
204.3	480.1	531.0	634.0	854.7
221.2	523.2	588.6	718.3	972.3
238.1	567.4	651.5	809.6	1098.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.1*	191.2	208.0	228.9	259.3
103.0	235.4	262.6	293.0	333.7
119.9	283.5	323.2	363.6	414.4
136.8	336.4	389.7	439.7	499.3
153.7	394.0	461.2	520.6	588.9
158.8**	412.3	483.8	546.0	616.6
170.6	456.3	537.5	606.1	681.9
187.4	523.2	618.5	695.2	777.9
204.3	594.4	703.3	787.3	877.3
221.2	670.0	791.5	882.7	979.5
238.1	749.6	882.8	981.1	1083.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300 Freighter
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.3*	197.9	201.2	208.4	227.0
106.9	248.0	255.3	268.7	306.2
128.6	298.8	311.5	334.7	401.2
150.3	350.4	370.3	408.2	510.9
172.0	403.2	432.7	492.2	640.8
186.9**	440.3	478.1	556.3	739.0
193.6	457.4	499.4	586.8	784.5
215.3	512.6	571.5	691.0	936.0
237.0	569.6	651.0	806.7	1092.3
258.6	628.5	739.3	940.7	1270.3
280.3	689.7	834.2	1084.9	1452.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.3*	191.4	207.7	228.0	257.7
106.9	249.2	279.1	311.6	354.3
128.6	314.2	360.2	405.3	460.2
150.3	386.5	450.5	507.6	574.0
172.0	466.8	548.6	617.3	693.3
186.9**	526.4	620.5	696.4	778.4
193.6	554.5	654.1	733.0	818.0
215.3	649.5	765.6	853.6	947.5
237.0	751.2	882.3	979.5	1081.0
258.6	858.6	1004.1	1109.1	1217.9
280.3	971.5	1130.4	1243.0	1358.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300ER
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
79.4*	183.5	186.0	191.8	206.7
101.5	234.3	240.3	251.7	283.0
123.6	285.6	296.9	317.1	375.5
145.7	337.8	355.8	389.6	482.8
167.8	391.1	418.2	472.1	609.3
185.5**	434.9	471.4	546.8	724.5
189.9	445.8	484.9	566.1	753.6
212.0	501.7	557.0	669.7	905.4
234.1	559.1	635.8	784.9	1065.9
256.2	618.6	724.2	917.6	1240.7
278.3	680.4	819.6	1062.9	1425.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
79.4*	175.9	189.0	205.9	231.8
101.5	232.8	258.6	287.7	327.0
123.6	296.6	338.4	380.4	432.3
145.7	368.3	427.9	482.2	545.7
167.8	447.9	525.6	591.9	666.0
185.5**	517.6	609.8	684.4	766.8
189.9	535.4	631.2	708.1	791.3
212.0	630.3	743.3	829.5	922.0
234.1	732.4	860.8	956.5	1056.8
256.2	840.5	983.6	1087.7	1195.1
278.3	953.9	1111.2	1222.7	1337.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-400ER

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
103.1*	247.8	252.9	265.1	300.6
125.7	302.7	313.1	335.6	401.5
148.3	358.5	376.4	414.7	520.8
170.8	415.8	443.8	503.2	659.9
193.4	474.4	516.3	608.1	814.7
204.1**	502.8	553.2	661.6	887.8
215.9	534.6	595.5	723.9	975.5
238.5	596.7	681.1	853.3	1147.2
261.1	661.3	779.3	999.3	1343.0
283.6	728.7	885.4	1156.4	1545.3
306.2	799.3	1000.7	1317.3	1753.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
103.1*	250.5	279.5	310.7	351.8
125.7	321.3	367.0	411.3	464.9
148.3	400.8	464.8	521.4	586.6
170.8	489.1	571.3	639.4	714.9
193.4	585.6	685.9	764.4	849.1
204.1**	634.4	742.8	825.6	914.8
215.9	690.2	806.9	894.8	988.4
238.5	801.9	933.5	1030.7	1132.6
261.1	919.6	1065.9	1170.9	1279.2
283.6	1043.0	1202.8	1315.1	1430.3
306.2	1172.1	1343.9	1463.3	1586.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
137.0*	223.2	222.8	228.2	248.3
169.7	275.8	278.1	290.1	333.3
202.5	328.6	335.8	357.2	439.2
235.2	382.1	395.7	432.4	576.7
268.0	436.5	458.4	519.1	745.4
287.8**	469.9	498.3	577.9	859.8
300.7	491.9	525.2	618.9	940.7
333.5	548.7	597.1	738.0	1153.5
366.2	606.7	676.3	879.5	1394.7
399.0	665.8	763.5	1042.9	1651.6
431.7	726.8	859.7	1224.2	1915.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
137.0*	208.4	228.5	259.0	310.9
169.7	267.9	308.3	361.8	440.1
202.5	336.4	404.6	483.1	586.0
235.2	416.0	517.0	621.0	745.4
268.0	508.1	645.6	772.0	915.2
287.8**	570.3	730.1	869.0	1023.0
300.7	613.4	787.4	934.4	1094.6
333.5	732.3	940.7	1106.7	1281.8
366.2	864.6	1104.7	1286.9	1476.0
399.0	1007.6	1277.4	1474.8	1678.9
431.7	1162.0	1458.2	1669.2	1882.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
136.1*	224.1	223.7	229.2	249.6
171.0	280.8	283.5	296.2	342.4
205.9	337.8	346.0	369.5	460.9
240.9	395.6	411.0	452.8	616.1
275.8	454.5	479.8	550.3	805.4
300.3**	496.7	531.0	628.0	958.2
310.7	514.8	553.7	663.6	1025.1
345.6	576.8	634.4	803.7	1269.6
380.6	639.7	724.3	969.1	1537.8
415.5	704.6	824.0	1156.5	1819.5
450.4	771.9	934.1	1371.8	2108.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
136.1*	209.3	229.7	260.6	312.9
171.0	273.9	316.7	372.5	453.0
205.9	349.3	422.9	505.7	612.5
240.9	437.8	547.9	657.7	786.5
275.8	541.1	690.8	824.0	973.2
300.3**	622.9	799.9	948.6	1109.5
310.7	660.3	848.3	1003.3	1170.7
345.6	794.6	1018.9	1192.9	1375.1
380.6	943.6	1200.9	1391.6	1589.6
415.5	1105.2	1392.2	1598.5	1807.7
450.4	1278.7	1592.5	1812.3	2033.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-8
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	268.5	270.7	280.1	311.7
138.9	329.1	335.4	354.0	413.5
164.3	390.6	403.0	436.3	531.3
189.8	453.3	474.4	529.8	670.9
215.3	517.0	550.9	633.1	828.7
228.4**	550.3	592.6	690.5	912.6
240.7	582.1	633.4	747.4	992.7
266.2	649.1	724.2	874.3	1166.3
291.6	718.2	822.1	1020.9	1357.4
317.1	789.9	927.2	1179.5	1568.3
342.6	865.2	1040.3	1343.0	1789.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	267.6	293.3	323.2	364.1
138.9	342.1	385.0	428.6	483.7
164.3	425.6	487.4	544.7	612.9
189.8	517.7	599.3	669.4	749.5
215.3	618.7	719.4	801.9	892.7
228.4**	674.1	784.9	872.7	968.8
240.7	728.1	847.5	940.8	1041.6
266.2	844.6	981.8	1085.6	1195.0
291.6	968.5	1122.3	1235.5	1353.4
317.1	1098.8	1267.8	1389.5	1515.7
342.6	1235.0	1418.0	1548.2	1681.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-9
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	271.6	271.8	277.5	299.1
143.2	342.8	346.0	359.3	404.7
173.1	414.7	422.9	449.9	530.5
202.9	487.4	503.4	549.9	677.3
232.8	561.2	589.7	661.1	842.7
254.7**	616.1	656.8	751.9	977.1
262.6	636.3	682.1	786.7	1027.1
292.5	713.2	781.0	926.6	1215.8
322.3	792.3	886.6	1080.5	1426.2
352.2	874.9	1003.6	1247.6	1639.1
382.0	960.8	1130.1	1431.5	1894.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	262.4	281.9	306.6	343.5
143.2	343.8	380.7	421.1	475.2
173.1	434.8	492.3	549.4	620.5
202.9	535.7	616.4	689.2	775.1
232.8	647.1	750.7	839.0	938.9
254.7**	735.0	855.9	955.0	1063.9
262.6	768.2	895.0	997.7	1109.8
292.5	899.5	1048.1	1163.6	1287.4
322.3	1039.0	1208.6	1335.9	1470.8
352.2	1186.6	1375.5	1514.3	1660.5
382.0	1341.6	1548.8	1697.8	1851.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	273.9	274.2	280.1	302.4
143.2	345.8	349.2	362.9	409.6
173.1	418.3	426.9	454.7	537.5
202.9	491.8	508.4	556.2	686.6
232.8	566.2	595.8	669.2	855.0
254.7**	621.8	663.8	761.6	991.0
262.6	642.1	689.4	796.9	1041.7
292.5	719.9	789.8	939.2	1233.5
322.3	799.9	897.3	1095.8	1446.5
352.2	883.6	1016.2	1266.2	1664.3
382.0	970.6	1144.8	1452.5	1924.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
113.4*	265.0	285.0	310.1	347.6
143.2	347.4	385.1	426.2	481.1
173.1	439.7	498.3	556.2	627.9
202.9	542.0	624.1	697.8	784.5
232.8	655.1	760.3	849.6	950.2
254.7**	744.2	866.7	966.7	1076.7
262.6	778.0	906.5	1010.2	1124.8
292.5	911.1	1061.6	1178.1	1302.9
322.3	1052.3	1224.1	1352.5	1488.2
352.2	1202.2	1393.1	1533.1	1678.2
382.0	1359.1	1568.6	1718.6	1873.5

* Minimum operating weight

** Maximum takeoff weight

C-2A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.5*	159.5	158.3	157.8	157.4
19.2	185.7	184.3	183.7	183.2
21.9	211.9	210.3	209.6	209.1
24.6	238.1	236.3	235.5	234.9
27.2	263.4	261.4	260.5	259.9
27.3**	264.3	262.3	261.4	260.7
30.0	290.5	288.3	287.3	286.6
32.7	316.7	314.3	313.2	312.4
35.4	342.9	340.3	339.1	338.3
38.1	369.1	366.3	365.0	364.1
40.8	395.4	392.3	391.0	390.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.5*	160.5	159.9	159.5	159.1
19.2	186.7	186.1	185.7	185.2
21.9	213.0	212.2	211.9	211.3
24.6	239.4	238.5	237.9	237.3
27.2	264.8	263.8	263.3	262.7
27.3**	265.6	264.6	264.2	263.5
30.0	291.8	291.0	290.2	289.4
32.7	318.3	317.0	316.4	315.5
35.4	344.5	343.2	342.5	341.6
38.1	370.8	369.4	368.7	367.7
40.8	397.1	395.7	394.8	393.8

* Minimum operating weight

** Maximum takeoff weight

C-5A/B Galaxy
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
169.6*	100.3	114.0	123.1	137.7
214.3	127.8	145.5	160.5	185.1
259.0	151.9	177.9	200.0	240.9
303.6	178.7	211.2	243.1	309.7
348.3	205.9	248.9	290.4	388.1
381.0**	226.1	276.3	328.7	452.6
392.9	233.5	286.6	343.5	477.5
437.6	261.6	326.8	406.7	581.7
482.2	290.3	369.9	475.5	700.8
526.9	319.6	416.1	552.5	827.0
571.5	349.8	466.5	639.3	961.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
169.6*	113.2	125.2	139.8	164.8
214.3	149.4	170.2	196.3	237.2
259.0	188.5	223.1	263.7	322.6
303.6	232.9	285.1	341.8	417.7
348.3	283.5	356.1	429.7	521.1
381.0**	324.9	413.8	499.7	601.9
392.9	340.9	436.0	526.1	632.3
437.6	405.4	524.3	630.3	749.2
482.2	477.3	620.5	740.6	871.3
526.9	556.8	723.5	856.4	998.4
571.5	643.0	832.3	977.6	1130.4

* Minimum operating weight

** Maximum takeoff weight

C-9 A/C Nightingale
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.2*	116.7	127.2	137.0	151.2
33.4	139.2	153.7	166.9	189.2
38.6	162.3	181.3	198.4	230.9
43.8	186.1	210.2	232.3	273.3
48.9	210.8	240.2	272.0	318.9
49.9**	215.5	245.9	279.7	327.5
54.1	236.5	271.4	314.1	366.1
59.3	263.0	304.5	357.2	414.0
64.5	290.5	342.6	402.7	462.7
69.7	318.8	384.4	450.2	511.5
74.8	348.2	427.3	498.7	560.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
28.2*	146.5	157.1	164.6	172.5
33.4	180.2	192.6	201.3	210.2
38.6	215.1	229.2	238.8	248.8
43.8	251.1	266.7	277.4	288.5
48.9	288.1	305.1	316.6	328.2
49.9**	295.1	312.3	324.1	335.7
54.1	326.2	344.3	356.7	369.0
59.3	364.7	384.2	397.3	410.5
64.5	404.1	424.7	438.4	451.9
69.7	444.2	465.7	480.0	494.3
74.8	484.8	507.3	522.1	537.0

* Minimum operating weight

** Maximum takeoff weight

C-12C/D Huron
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.5*	14.1	14.6	15.1	16.0
4.1	16.0	16.6	17.3	19.2
4.6	17.8	18.6	19.4	22.5
5.2	19.6	20.5	22.2	26.2
5.7	21.1	22.2	24.7	29.6
5.7**	21.3	22.4	25.1	30.1
6.3	23.0	24.3	28.2	34.1
6.8	24.6	26.6	31.3	38.1
7.4	26.2	29.3	34.8	42.6
8.0	27.7	32.0	38.5	47.4
8.5	29.2	34.8	42.3	52.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.5*	12.6	13.2	13.8	14.9
4.1	14.3	15.2	16.6	18.3
4.6	16.1	18.1	19.8	21.7
5.2	18.8	21.1	23.1	25.3
5.7	21.2	23.8	26.0	28.4
5.7**	21.5	24.3	26.5	28.9
6.3	24.4	27.5	29.9	32.6
6.8	27.4	30.8	33.5	36.3
7.4	30.5	34.3	37.1	40.1
8.0	33.6	37.7	40.8	43.9
8.5	36.8	41.3	44.5	47.8

* Minimum operating weight

** Maximum takeoff weight

C-12F Huron
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	14.9	15.4	16.0	17.3
4.5	17.3	18.0	18.8	21.5
5.2	19.6	20.6	22.2	26.3
5.9	21.8	23.0	26.0	31.3
6.6	24.0	25.5	30.0	36.5
6.8**	24.5	26.3	31.0	37.8
7.3	26.0	29.0	34.4	42.0
8.1	28.0	32.6	39.2	48.4
8.8	30.0	36.2	44.1	54.7
9.5	31.8	40.0	49.2	60.9
10.2	33.7	44.3	54.3	67.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	13.3	14.0	14.8	16.3
4.5	15.5	17.2	18.8	20.7
5.2	18.8	21.1	23.1	25.3
5.9	22.4	25.2	27.5	30.0
6.6	26.2	29.5	32.1	34.8
6.8**	27.1	30.6	33.2	36.0
7.3	30.1	33.9	36.7	39.7
8.1	34.2	38.4	41.5	44.7
8.8	38.4	43.0	46.3	49.7
9.5	42.8	47.7	51.2	54.8
10.2	47.2	52.5	56.1	59.9

* Minimum operating weight

** Maximum takeoff weight

C-12J Huron
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.4*	17.0	17.7	18.3	20.7
5.2	19.5	20.3	21.7	25.1
5.9	21.8	22.9	25.7	30.1
6.7	24.1	25.5	29.7	35.5
7.5	26.2	29.1	33.9	41.1
7.5**	26.4	29.4	34.2	41.5
8.2	28.4	32.8	38.2	46.8
9.0	30.4	36.5	43.4	53.6
9.8	32.3	40.4	48.7	60.2
10.5	34.2	44.3	54.2	66.9
11.3	36.0	48.4	59.7	73.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.4*	15.1	16.6	18.1	19.9
5.2	18.3	20.6	22.5	24.7
5.9	22.0	24.8	27.1	29.6
6.7	25.9	29.2	31.8	34.6
7.5	30.0	33.8	36.7	39.7
7.5**	30.3	34.1	37.0	40.1
8.2	34.3	38.5	41.7	45.0
9.0	38.6	43.3	46.7	50.2
9.8	43.2	48.3	51.9	55.6
10.5	47.8	53.3	57.1	61.0
11.3	52.5	58.3	62.4	66.4

* Minimum operating weight

** Maximum takeoff weight

C-17A Globemaster III
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
126.6*	171.5	184.7	199.2	227.1
156.7	212.8	233.1	256.4	305.7
186.9	254.4	284.4	319.5	396.4
217.0	296.6	338.7	391.6	500.3
247.2	340.2	396.5	471.5	622.2
265.4**	367.6	433.4	523.3	704.4
277.4	386.1	458.9	559.3	760.4
307.5	433.7	526.9	656.0	908.8
337.7	483.3	603.3	763.3	1071.0
367.9	535.1	683.8	882.8	1246.1
398.0	589.2	770.3	1014.2	1431.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
126.6*	197.5	212.3	225.3	245.8
156.7	254.5	274.8	294.6	330.5
186.9	314.6	342.0	372.5	427.3
217.0	377.6	414.9	460.7	535.5
247.2	444.1	494.3	558.4	655.2
265.4**	486.0	546.5	621.3	731.5
277.4	514.7	582.8	665.0	783.9
307.5	588.9	678.8	781.3	922.2
337.7	667.9	783.1	905.7	1068.4
367.9	752.3	894.6	1038.8	1221.3
398.0	845.1	1014.0	1179.0	1380.4

* Minimum operating weight

** Maximum takeoff weight

C-20 A-B-C-D Gulfstream III

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.8*	78.8	87.2	95.9	115.9
21.1	95.3	106.6	123.0	145.9
24.4	112.6	127.3	151.7	175.9
27.7	130.7	154.5	182.8	206.1
31.0	149.7	182.8	213.7	236.4
31.6**	153.5	188.3	219.7	242.2
34.3	169.6	213.2	244.7	266.7
37.6	192.2	245.2	275.7	297.0
40.8	220.8	277.1	306.7	327.3
44.1	250.0	309.2	337.7	357.7
47.4	280.1	341.1	368.8	388.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.8*	105.1	110.8	114.7	118.8
21.1	129.3	135.8	140.2	144.8
24.4	154.5	161.5	166.3	171.2
27.7	180.2	187.7	192.9	198.1
31.0	206.5	214.6	220.0	225.4
31.6**	211.7	219.8	225.3	230.8
34.3	233.4	241.8	247.5	253.3
37.6	260.6	269.5	275.3	281.5
40.8	288.4	297.6	303.5	309.6
44.1	316.6	325.9	332.2	338.5
47.4	345.1	354.6	361.0	367.3

* Minimum operating weight

** Maximum takeoff weight

C-20 F-G-H Gulfstream IV
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.7*	90.3	99.5	112.0	133.7
23.2	108.5	120.8	141.2	165.1
26.6	127.5	146.7	173.4	196.8
30.1	147.5	176.2	206.0	228.6
33.5	168.5	207.1	238.6	260.5
33.8**	170.5	210.2	241.6	263.4
37.0	190.4	240.9	271.2	292.4
40.4	220.0	274.6	303.9	324.3
43.9	250.9	308.4	336.6	356.3
47.3	282.4	342.1	369.3	388.3
50.8	317.6	375.8	401.9	420.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.7*	121.5	127.2	131.2	135.3
23.2	147.9	154.2	158.5	163.0
26.6	175.0	181.8	186.5	191.3
30.1	202.8	210.1	215.0	220.0
33.5	231.1	238.8	244.0	249.3
33.8**	233.8	241.4	246.6	252.0
37.0	260.0	268.0	273.3	279.1
40.4	289.3	297.6	303.1	308.7
43.9	319.3	327.6	333.3	339.0
47.3	349.4	358.0	363.8	369.5
50.8	380.0	388.7	394.5	400.8

* Minimum operating weight

** Maximum takeoff weight

C-21A Gates Learjet 35
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	19.4	19.9	20.6	22.7
5.5	22.8	23.5	25.2	28.0
6.3	26.1	27.4	30.0	34.2
7.2	29.4	31.8	35.0	40.7
8.1	32.6	36.3	40.1	47.4
8.3**	33.4	37.4	41.4	49.1
9.0	35.8	41.0	46.0	55.0
9.8	39.7	45.7	52.3	62.9
10.7	43.7	50.7	58.8	70.7
11.6	47.9	55.7	65.4	78.6
12.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	20.3	21.7	22.9	24.3
5.5	25.2	27.0	28.5	30.2
6.3	30.3	32.5	34.3	36.3
7.2	35.6	38.3	40.3	42.5
8.1	41.1	44.1	46.4	48.8
8.3**	42.6	45.6	47.9	50.3
9.0	46.9	50.2	52.6	55.2
9.8	52.7	56.3	59.0	61.7
10.7	58.7	62.6	65.4	68.3
11.6	64.8	69.0	72.0	75.0
12.5	71.0	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

C-22B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.5*	181.7	194.1	205.5	226.4
49.7	218.5	235.7	253.4	281.9
57.9	256.1	278.8	304.2	340.8
66.0	294.5	324.8	358.0	405.0
74.2	333.9	373.0	413.4	472.7
76.7**	346.0	388.1	430.5	493.6
82.3	374.3	423.6	472.8	545.5
90.5	415.8	476.4	536.8	621.8
98.7	459.5	531.0	602.8	699.6
106.8	504.8	587.0	671.0	777.8
115.0	551.7	650.4	746.0	855.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
41.5*	221.5	236.4	247.4	259.1
49.7	274.9	293.1	306.0	319.5
57.9	330.6	351.5	366.3	381.5
66.0	388.1	411.8	428.1	445.2
74.2	447.3	473.5	491.2	509.6
76.7**	465.5	492.4	510.6	529.5
82.3	508.0	536.3	555.7	575.6
90.5	570.0	600.4	620.9	642.1
98.7	633.2	665.8	687.2	709.4
106.8	697.7	731.6	754.4	777.4
115.0	763.2	798.7	822.3	846.7

* Minimum operating weight

** Maximum takeoff weight

C-23
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	47.5	57.8	62.2	65.3
8.9	53.6	64.9	69.9	73.4
9.9	59.6	72.1	77.5	81.4
10.8	65.5	79.1	85.1	89.5
11.2	67.4	81.4	87.6	92.1
11.8**	71.4	86.2	92.7	97.5
12.8	77.2	93.2	100.3	105.5
13.8	83.0	100.2	107.9	113.5
14.8	88.8	107.2	115.5	121.5
15.8	94.5	114.2	123.0	129.5
16.7	100.2	121.2	130.6	137.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	46.2	49.7	52.0	54.3
8.9	52.2	56.1	58.7	61.3
9.9	58.2	62.6	65.5	68.3
10.8	64.3	69.1	72.2	75.2
11.2	66.2	71.2	74.4	77.5
11.8**	70.3	75.6	78.9	82.3
12.8	76.3	82.0	85.6	89.2
13.8	82.4	88.5	92.4	96.2
14.8	88.4	94.9	99.1	103.1
15.8	94.4	101.4	105.8	110.1
16.7	100.5	107.8	112.5	117.1

* Minimum operating weight

** Maximum takeoff weight

C-27
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.6*	43.9	56.3	61.5	65.3
17.6	53.3	67.9	74.1	78.9
20.7	62.5	79.3	86.6	92.5
23.7	71.5	90.6	99.2	106.3
26.8	80.3	101.9	111.7	120.2
28.0**	83.9	106.4	116.8	125.8
29.8	89.1	113.1	124.3	134.1
32.9	97.7	124.3	136.9	148.1
35.9	106.3	135.4	149.6	162.2
39.0	114.7	146.6	162.3	176.5
42.0	123.2	157.8	175.1	191.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.6*	41.6	46.0	49.3	53.2
17.6	50.9	56.5	60.8	65.9
20.7	60.4	67.3	72.7	79.0
23.7	70.1	78.3	84.8	92.5
26.8	79.9	89.6	97.3	106.5
28.0**	83.9	94.2	102.5	112.2
29.8	89.8	101.1	110.2	120.8
32.9	99.9	112.9	123.4	135.5
35.9	110.2	125.0	136.8	150.5
39.0	120.7	137.3	150.5	165.9
42.0	131.3	150.0	164.6	181.5

* Minimum operating weight

** Maximum takeoff weight

C-27J Spartan
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.0*	37.2	58.1	66.5	72.8
20.4	45.4	69.4	79.5	87.3
23.8	53.0	80.5	92.4	101.9
27.2	60.3	91.5	105.3	116.7
30.6	67.4	102.4	118.2	131.6
31.8**	69.7	106.0	122.5	136.6
34.1	74.3	113.2	131.1	146.4
37.5	81.0	124.0	144.1	161.5
40.9	87.6	134.7	157.2	176.8
44.3	94.1	145.4	170.3	192.3
47.7	100.5	156.2	183.6	208.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.0*	40.1	46.7	51.6	57.1
20.4	49.1	57.4	63.5	70.5
23.8	58.3	68.3	75.8	84.6
27.2	67.6	79.4	88.5	98.9
30.6	77.1	90.9	101.6	113.9
31.8**	80.4	94.9	106.1	119.0
34.1	86.8	102.7	115.1	129.2
37.5	96.7	114.9	128.9	145.0
40.9	106.8	127.3	143.2	161.2
44.3	117.0	140.1	157.8	177.7
47.7	127.6	153.1	172.8	194.5

* Minimum operating weight

** Maximum takeoff weight

C-32A/B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
62.1*	139.2	144.3	152.2	170.7
74.5	167.0	175.4	188.3	221.7
86.9	195.3	208.0	227.3	279.4
99.2	224.1	242.2	270.3	346.9
111.6	253.6	278.3	317.9	423.6
115.7**	263.4	290.5	338.6	450.5
124.0	283.8	316.3	375.8	510.2
136.4	314.9	357.0	434.7	605.4
148.7	347.0	400.6	505.8	704.3
161.1	380.2	447.6	581.9	804.5
173.5	414.5	505.5	663.4	906.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
62.1*	137.1	152.8	170.8	195.3
74.5	171.2	195.9	221.4	253.2
86.9	209.1	244.0	276.8	315.6
99.2	251.1	296.8	336.4	381.2
111.6	297.3	353.4	399.4	450.2
115.7**	313.3	372.7	420.7	472.6
124.0	347.4	413.7	465.6	520.9
136.4	401.4	477.2	534.5	594.7
148.7	458.7	543.5	605.9	670.4
161.1	519.2	612.4	679.5	748.1
173.5	582.5	683.7	754.8	827.0

* Minimum operating weight

** Maximum takeoff weight

C-37A Gulfstream V
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.8*	98.8	106.2	116.0	132.8
26.2	121.0	132.7	146.3	172.4
30.6	144.2	161.3	181.2	213.3
35.0	168.5	191.6	220.8	254.3
39.5	195.2	223.3	263.1	295.0
41.1**	205.2	237.0	278.3	309.7
43.9	223.5	262.6	305.4	335.9
48.3	253.1	304.0	347.7	376.9
52.7	284.1	348.2	389.7	418.2
57.2	316.2	392.2	431.5	459.8
61.6	354.8	436.0	473.4	501.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.8*	129.7	136.0	140.5	145.1
26.2	162.3	169.5	174.6	179.9
30.6	196.1	204.1	209.7	215.4
35.0	230.7	239.3	245.4	251.6
39.5	266.2	275.6	281.8	288.3
41.1**	279.2	288.7	295.1	301.6
43.9	302.5	312.2	318.9	325.7
48.3	339.5	349.6	356.6	363.5
52.7	377.0	387.6	394.7	402.3
57.2	415.2	425.8	433.2	440.8
61.6	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

C-38A Courier
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.1	24.7	26.5	28.9
7.4	27.9	29.6	32.1	35.2
8.6	31.7	34.8	37.9	41.9
9.7	35.2	40.1	43.9	48.7
10.9	39.5	45.5	50.0	55.8
11.2**	40.6	46.7	51.5	57.5
12.1	44.1	51.0	56.3	63.5
13.3	48.7	56.6	62.8	72.6
14.4	53.4	62.4	69.5	81.9
15.6	58.1	68.4	76.4	91.4
16.8	62.9	74.4	83.4	101.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.3	26.5	28.3	30.4
7.4	30.0	32.8	35.2	37.7
8.6	36.1	39.5	42.3	45.3
9.7	42.4	46.5	49.6	53.1
10.9	48.9	53.7	57.2	60.9
11.2**	50.5	55.4	59.0	62.8
12.1	55.7	61.0	64.9	68.9
13.3	62.7	68.6	72.8	77.1
14.4	69.9	76.3	80.7	85.4
15.6	77.2	84.1	88.8	93.7
16.8	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

C-40A Clipper
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	170.1	175.4	182.1	196.1
45.1	204.8	213.0	223.3	244.5
52.6	240.2	251.7	267.5	294.8
60.1	276.2	291.7	314.0	347.5
67.6	312.9	334.0	362.8	405.2
70.1**	325.1	348.2	378.9	424.6
75.1	350.4	378.2	412.7	465.6
82.6	388.7	424.1	464.1	528.1
90.1	427.9	471.8	520.5	596.2
97.6	468.1	521.1	579.1	664.1
105.1	510.2	571.2	639.6	733.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	202.9	213.5	221.5	230.4
45.1	251.4	264.4	274.0	284.8
52.6	301.7	316.9	328.3	340.0
60.1	353.8	371.1	383.7	397.2
67.6	407.3	426.5	440.2	454.5
70.1**	425.0	444.7	458.9	473.5
75.1	462.1	483.1	497.8	513.3
82.6	518.1	540.4	556.5	573.1
90.1	574.9	599.3	615.7	633.5
97.6	633.1	658.5	675.9	694.4
105.1	692.1	718.6	736.8	755.9

* Minimum operating weight

** Maximum takeoff weight

C-40B/C
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	194.9	202.3	211.3	230.5
51.2	233.1	244.0	258.5	284.7
59.4	272.1	287.1	308.6	341.1
67.5	311.8	332.7	361.3	403.4
75.6	352.5	380.6	415.5	469.0
77.6**	362.3	392.3	428.5	484.8
83.8	394.2	430.7	471.3	537.6
91.9	436.8	482.8	533.5	611.3
100.1	481.0	536.4	597.6	685.4
108.2	527.0	591.3	663.7	761.4
116.3	574.5	649.0	732.4	837.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
43.1*	237.5	249.8	259.1	269.3
51.2	291.6	306.4	317.3	328.9
59.4	347.8	364.8	377.3	390.2
67.5	405.7	424.8	438.6	452.7
75.6	465.2	486.2	501.0	516.6
77.6**	479.4	501.0	516.0	531.8
83.8	525.9	548.6	564.8	581.5
91.9	587.9	612.6	629.0	647.2
100.1	651.2	676.9	694.6	713.2
108.2	715.5	742.4	760.9	780.3
116.3	780.3	808.7	827.9	848.1

* Minimum operating weight

** Maximum takeoff weight

C-41A Casa 212
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	20.2	21.7	25.0	28.5
4.7	22.9	25.0	31.4	35.5
5.6	25.3	30.6	37.6	42.3
6.5	27.2	36.0	43.8	49.1
7.4	28.9	41.2	49.8	55.9
8.0**	29.8	44.3	53.5	60.1
8.3	30.3	46.2	55.8	62.6
9.3	31.6	51.2	61.7	69.3
10.2	32.7	56.1	67.7	76.0
11.1	33.6	60.9	73.5	82.6
12.0	34.4	65.8	79.4	89.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	13.7	14.6	16.5	18.6
4.7	15.5	19.1	21.6	24.1
5.6	19.3	23.6	26.6	29.6
6.5	23.1	28.2	31.7	35.0
7.4	27.0	32.8	36.7	40.4
8.0**	29.4	35.7	39.8	43.8
8.3	30.9	37.4	41.7	45.8
9.3	34.8	42.0	46.7	51.2
10.2	38.7	46.7	51.7	56.6
11.1	42.6	51.3	56.8	61.9
12.0	46.5	55.9	61.8	67.3

* Minimum operating weight

** Maximum takeoff weight

C-90B, King Air
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.9*	17.6	18.7	19.6	22.7
3.3	19.2	20.6	22.8	26.1
3.7	20.7	22.3	25.9	29.4
4.1	22	23.9	29	32.7
4.4	22.9	24.9	31	34.9
4.5**	23.3	25.6	32	36
4.9	24.4	28.4	35	39.2
5.3	25.5	31.1	37.9	42.5
5.7	26.5	33.7	40.8	45.7
6.1	27.4	36.2	43.7	48.9
6.5	28.3	38.7	46.6	52.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.9*	12.1	12.7	13.3	14.3
3.3	13.1	13.9	15	16.9
3.7	14.1	15.4	17.4	19.5
4.1	15	17.5	19.8	22.1
4.4	15.6	19	21.4	23.8
4.5**	16.2	19.7	22.2	24.7
4.9	18	21.9	24.6	27.3
5.3	19.8	24	27	29.9
5.7	21.6	26.2	29.4	32.4
6.1	23.5	28.4	31.8	35
6.5	25.3	30.6	34.2	37.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-44A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

C-130E Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
32.7*	121.3	137.5	145.3	152.6
42.3	155.8	177.2	188.4	199.1
51.9	189.9	217.1	231.7	247.4
61.5	223.7	257.2	275.9	297.8
71.1	257.5	297.8	321.0	350.1
79.4**	286.8	333.2	361.1	397.1
80.7	291.3	338.7	367.4	404.5
90.3	325.2	380.2	415.1	461.0
99.9	359.2	422.3	464.1	519.8
109.5	393.3	465.2	514.5	580.9
119.1	427.7	509.0	566.2	643.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
32.7*	117.2	127.1	135.4	145.4
42.3	155.2	169.9	182.0	196.1
51.9	195.0	215.0	231.1	249.4
61.5	236.7	262.4	282.5	305.2
71.1	279.9	311.6	336.0	362.3
79.4**	319.2	355.9	383.7	413.6
80.7	325.5	363.0	391.2	421.6
90.3	372.2	415.8	447.9	481.9
99.9	420.7	470.2	506.0	543.8
109.5	470.6	526.0	565.7	606.9
119.1	522.1	583.1	626.2	670.9

* Minimum operating weight

** Maximum takeoff weight

C-130H Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.3*	105.0	121.4	129.1	136.0
41.1	136.4	158.4	169.3	179.5
50.8	167.5	195.4	210.0	224.4
60.6	198.3	232.6	251.1	271.2
70.3	229.0	270.2	293.0	319.8
79.4**	257.4	305.4	332.9	366.6
80.1	259.5	308.0	335.9	370.2
89.8	290.1	346.3	380.0	422.4
99.6	320.7	385.2	425.3	476.8
109.3	351.5	424.7	471.8	533.3
119.1	382.3	464.8	519.6	591.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
31.3*	100.9	109.8	117.2	126.1
41.1	135.2	148.7	159.7	172.8
50.8	171.4	189.8	204.7	221.8
60.6	208.9	233.1	252.0	273.5
70.3	248.3	278.2	301.1	326.3
79.4**	286.3	321.6	348.5	377.7
80.1	289.2	324.8	352.1	381.6
89.8	332.0	373.6	404.4	437.9
99.6	375.8	423.5	458.2	494.9
109.3	421.3	474.8	513.3	553.6
119.1	468.1	527.4	569.7	613.4

* Minimum operating weight

** Maximum takeoff weight

C-130J Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.3*	136.5	149.7	156.4	163.0
43.7	173.0	190.4	200.0	209.8
53.1	209.2	231.4	243.8	258.4
62.5	245.4	272.6	288.5	309.1
72.0	281.5	314.2	334.3	361.5
79.4**	309.9	347.2	371.1	404.2
81.4	317.6	356.2	381.2	416.0
90.8	353.9	398.7	429.4	472.5
100.2	390.3	442.0	479.0	531.1
109.6	426.9	485.9	529.8	591.9
119.1	463.8	530.7	582.0	654.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.3*	131.9	141.6	149.8	159.7
43.7	171.9	186.0	197.8	211.5
53.1	213.7	232.8	248.1	265.9
62.5	257.3	281.7	300.7	322.0
72.0	302.5	332.3	355.2	380.6
79.4**	339.5	373.4	399.2	427.2
81.4	349.7	384.7	411.3	440.0
90.8	398.3	438.7	468.9	500.8
100.2	448.4	494.4	527.7	563.2
109.6	499.9	551.0	588.0	626.6
119.1	552.9	609.2	649.1	690.9

* Minimum operating weight

** Maximum takeoff weight

C-130J-30 Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.0*	144.3	158.4	165.7	172.8
45.2	180.3	198.7	208.7	219.3
54.4	216.2	239.2	252.1	267.6
63.7	251.9	280.0	296.4	317.8
72.9	287.6	321.1	341.7	369.8
79.4**	312.7	350.2	374.2	407.4
82.1	323.3	362.6	388.2	423.7
91.4	359.2	404.7	435.9	479.6
100.6	395.2	447.4	484.8	537.5
109.8	431.4	490.8	535.0	597.6
119.1	467.9	535.0	586.5	659.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.0*	140.2	150.6	159.5	170.3
45.2	179.9	194.9	207.3	221.6
54.4	221.4	241.3	257.4	275.8
63.7	264.7	289.9	309.4	331.4
72.9	309.6	340.0	363.5	389.4
79.4**	342.1	376.3	402.2	430.4
82.1	356.2	391.9	418.9	448.5
91.4	404.3	445.4	475.8	508.3
100.6	453.8	500.3	534.0	570.0
109.8	504.6	556.2	593.6	632.7
119.1	556.9	613.7	653.9	696.1

* Minimum operating weight

** Maximum takeoff weight

C-135A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.4*	107.8	112.6	116.5	123.8
66.7	145.1	153.0	160.9	176.0
84.1	182.5	194.9	208.4	236.1
101.4	220.5	238.7	259.6	310.3
118.7	259.1	284.6	315.9	391.3
136.0**	298.6	332.9	383.2	491.0
136.8	300.5	335.3	386.5	496.1
153.3	339.2	384.2	454.7	606.6
170.6	381.0	439.2	532.6	733.2
187.9	424.1	498.2	624.2	865.6
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.4*	102.9	107.0	112.7	123.8
66.7	140.9	150.5	163.7	185.8
84.1	181.5	200.2	223.8	257.5
101.4	226.0	257.2	292.2	337.5
118.7	275.3	321.7	367.9	423.3
136.0**	330.4	393.0	449.9	514.5
136.8	333.1	396.6	454.2	519.0
153.3	391.3	470.5	537.2	610.6
170.6	458.2	553.4	629.4	710.3
187.9	530.6	641.2	725.4	813.4
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

C-135B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
53.0*	115.4	120.7	125.4	133.9
69.9	151.8	160.5	169.3	186.3
86.8	188.5	201.8	216.2	246.5
103.7	225.7	244.9	267.0	320.8
120.6	263.5	290.0	322.7	401.4
136.8**	300.5	335.3	386.5	496.1
137.5	302.3	337.4	389.4	500.7
154.5	342.0	387.9	459.8	614.9
171.4	382.9	441.8	536.3	739.2
188.3	425.1	506.3	626.4	868.6
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
53.0*	110.6	115.5	122.4	135.7
69.9	148.0	159.0	174.0	198.1
86.8	188.3	208.8	234.0	269.8
103.7	232.4	265.6	302.0	348.9
120.6	281.2	329.6	376.9	433.3
136.8**	333.1	396.6	454.2	519.0
137.5	335.6	399.9	457.8	523.1
154.5	395.7	476.0	543.4	617.2
171.4	461.4	557.3	633.7	714.9
188.3	532.4	643.3	727.6	815.8
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

C-141C Starlifter
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.2*	157.4	163.7	174.3	199.4
85.8	202.0	214.7	235.0	288.0
104.4	248.0	269.9	305.3	396.3
123.0	295.8	330.0	390.0	530.7
141.7	346.2	396.6	492.3	682.6
156.5**	388.2	455.1	581.8	802.5
160.3	399.2	470.9	606.4	833.3
178.9	455.2	561.5	746.4	985.9
197.5	514.4	663.6	902.3	1145.3
216.1	577.8	774.7	1056.2	1312.6
234.7	646.0	906.6	1210.7	1488.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.2*	159.5	178.3	199.3	227.1
85.8	217.2	250.9	283.2	322.0
104.4	284.1	334.1	376.9	424.7
123.0	360.6	426.3	478.3	534.1
141.7	445.8	525.9	586.2	649.4
156.5**	519.1	609.9	676.1	744.7
160.3	538.5	631.9	699.5	768.5
178.9	638.0	743.3	817.0	892.8
197.5	743.6	859.0	939.0	1020.2
216.1	854.2	979.2	1064.8	1150.7
234.7	969.1	1103.3	1193.8	1284.5

* Minimum operating weight

** Maximum takeoff weight

C-146A Wolfhound
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.4*	31.3	36.6	41.4	47.0
10.7	34.5	42.3	48.1	56.2
12.0	38.2	48.3	55.1	66.1
13.3	42.9	54.4	62.3	76.2
14.0	45.6	57.9	66.5	82.4
14.5**	47.7	60.7	70.0	87.3
15.8	52.5	67.2	79.5	98.6
17.1	57.5	73.9	89.3	109.9
18.4	62.5	80.7	99.3	121.2
19.7	67.7	87.8	109.5	132.5
21.0	73.0	96.9	120.9	143.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.4*	37.3	42.0	45.5	49.3
10.7	44.2	49.7	53.7	57.8
12.0	51.4	57.6	62.0	66.5
13.3	58.9	65.7	70.5	75.4
14.0	63.2	70.4	75.4	80.4
14.5**	66.6	74.1	79.2	84.4
15.8	74.4	82.5	88.0	93.4
17.1	82.5	91.1	96.9	102.6
18.4	90.7	99.8	105.9	112.0
19.7	99.1	108.7	115.1	121.4
21.0	107.6	117.7	124.3	130.9

* Minimum operating weight

** Maximum takeoff weight

C-160 Transall
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.0*	28.1	45.7	57.6	68.6
37.5	29.4	51.8	65.7	79.2
42.0	30.3	57.9	74.0	90.2
46.6	31.1	63.9	82.5	101.6
49.1	31.5	67.4	87.5	108.4
51.1**	31.8	70.1	91.2	113.6
55.6	32.3	76.2	100.2	126.1
60.1	32.7	82.5	109.3	141.7
64.7	33.0	88.8	118.8	157.0
69.2	33.3	95.3	128.6	173.2
73.7	33.5	101.9	138.7	190.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.0*	29.9	38.9	44.6	51.0
37.5	35.4	45.5	52.0	59.9
42.0	41.0	52.1	59.6	69.3
46.6	46.7	58.9	67.4	79.7
49.1	50.0	62.8	72.0	85.8
51.1**	52.4	65.7	75.6	90.7
55.6	58.3	72.7	84.1	102.9
60.1	64.1	79.9	93.2	116.1
64.7	70.0	87.3	102.9	130.4
69.2	76.0	94.8	113.1	145.6
73.7	82.0	102.7	124.1	161.7

* Minimum operating weight

** Maximum takeoff weight

C-295 Casa
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.3*	33.0	43.4	47.4	50.6
13.9	41.8	53.3	58.3	62.6
16.6	49.9	63.2	69.2	74.7
19.2	57.8	73.0	80.2	87.1
21.8	65.5	82.7	91.3	99.7
23.2**	69.7	88.1	97.5	106.8
24.4	73.1	92.5	102.5	112.6
27.0	80.6	102.3	113.8	125.6
29.6	88.0	112.1	125.3	138.9
32.2	95.3	122.0	136.9	152.6
34.8	102.6	132.0	148.7	166.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.3*	32.1	35.9	38.9	42.8
13.9	40.5	45.5	49.6	54.7
16.6	49.0	55.5	60.9	67.2
19.2	57.9	66.0	72.6	80.2
21.8	67.0	76.8	84.7	93.6
23.2**	72.2	82.9	91.5	101.1
24.4	76.5	88.0	97.2	107.5
27.0	86.2	99.6	110.1	121.6
29.6	96.3	111.6	123.3	136.1
32.2	106.7	123.9	136.9	151.0
34.8	117.3	136.5	150.8	166.0

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK6-PR MK7-B MK8

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.8*	88.6	93.3	95.4	97.0
13.9	113.8	119.9	122.7	124.7
17.0	139.0	146.5	149.9	152.3
20.1	164.1	173.0	177.1	179.9
23.2	189.1	199.5	204.2	207.5
25.8**	210.1	221.7	226.9	230.7
26.3	214.1	226.0	231.3	235.1
29.4	239.1	252.4	258.4	262.7
32.5	264.0	278.9	285.5	290.3
35.6	289.0	305.3	312.6	317.8
38.7	313.9	331.7	339.7	345.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.8*	85.9	87.9	89.3	90.6
13.9	110.8	113.4	115.1	116.8
17.0	135.7	139.0	140.9	143.0
20.1	160.7	164.4	166.8	169.3
23.2	185.6	189.9	192.6	195.4
25.8**	206.4	211.2	214.3	217.3
26.3	210.5	215.5	218.5	221.5
29.4	235.4	240.8	244.3	247.8
32.5	260.3	266.4	270.2	274.1
35.6	285.1	291.8	295.9	300.0
38.7	310.1	317.2	321.8	326.3

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK15-B MK16

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.0*	123.5	128.8	131.3	133.0
17.9	146.9	153.3	156.2	158.3
20.7	170.3	177.8	181.2	183.6
23.6	193.6	202.2	206.1	208.9
26.4	217.0	226.7	231.0	234.1
27.2**	222.9	232.9	237.4	240.6
29.3	240.3	251.1	255.9	259.4
32.2	263.5	275.5	280.8	284.6
35.0	286.8	299.9	305.7	309.9
37.9	310.1	324.3	330.6	335.1
40.8	333.3	348.7	355.5	360.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.0*	120.7	123.0	124.5	126.1
17.9	143.9	146.6	148.5	150.3
20.7	167.1	170.2	172.4	174.5
23.6	190.3	193.9	196.3	198.6
26.4	213.5	217.7	220.2	222.7
27.2**	219.5	223.7	226.3	228.9
29.3	236.7	241.1	244.1	247.0
32.2	259.9	264.8	268.0	271.3
35.0	283.0	288.5	291.8	295.3
37.9	306.3	312.1	315.8	319.4
40.8	329.6	335.8	339.7	343.7

* Minimum operating weight

** Maximum takeoff weight

Canberra PR MK3-T MKII- TT MK18

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	67.0	78.0	82.9	86.4
12.3	82.9	96.5	102.6	107.0
14.7	98.6	114.9	122.2	127.6
17.0	114.2	133.2	141.8	148.0
19.4	129.7	151.5	161.4	168.4
20.9**	139.2	162.7	173.4	180.9
21.8	145.1	169.7	180.9	188.8
24.2	160.5	187.9	200.4	209.1
26.6	175.8	206.1	219.8	229.5
28.9	191.0	224.2	239.2	249.9
31.3	206.2	242.4	258.6	270.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	64.8	68.9	71.5	74.1
12.3	80.9	85.9	89.1	92.3
14.7	97.0	102.9	106.8	110.5
17.0	113.0	120.0	124.4	128.7
19.4	129.1	137.1	142.1	146.9
20.9**	139.0	147.5	152.8	158.1
21.8	145.2	154.1	159.6	165.1
24.2	161.3	171.2	177.3	183.2
26.6	177.5	188.2	194.9	201.4
28.9	193.6	205.2	212.5	219.4
31.3	209.7	222.2	230.1	237.6

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK9
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.7*	102.3	107.7	110.2	112.0
15.6	125.8	132.5	135.6	137.8
18.6	149.2	157.2	160.9	163.5
21.5	172.5	181.9	186.2	189.2
24.4	195.8	206.6	211.5	214.9
26.1**	208.9	220.4	225.6	229.3
27.4	219.1	231.3	236.7	240.6
30.3	242.4	255.9	262.0	266.3
33.2	265.6	280.6	287.2	292.0
36.2	288.9	305.2	312.5	317.7
39.1	312.1	329.8	337.7	343.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.7*	99.5	101.8	103.3	104.8
15.6	122.6	125.5	127.4	129.2
18.6	145.8	149.3	151.5	153.7
21.5	169.1	173.0	175.5	178.1
24.4	192.3	196.8	199.6	202.4
26.1**	205.2	210.0	213.1	216.2
27.4	215.5	220.6	223.6	226.8
30.3	238.7	244.2	247.7	251.2
33.2	261.9	267.9	271.7	275.8
36.2	285.0	291.7	295.8	299.9
39.1	308.3	315.4	319.9	324.4

* Minimum operating weight

** Maximum takeoff weight

Canberra TMK4-T MK17

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	59.4	74.1	80.6	85.2
12.0	71.2	88.8	96.6	102.2
14.0	82.9	103.4	112.5	119.2
16.1	94.4	117.9	128.5	136.1
18.1	105.8	132.4	144.3	152.9
18.8**	109.8	137.4	149.9	158.8
20.1	117.1	146.8	160.2	169.7
22.1	128.3	161.1	176.0	186.4
24.1	139.5	175.5	191.8	203.2
26.2	150.6	189.8	207.5	220.0
28.2	161.7	204.1	223.2	236.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	59.0	64.0	67.3	70.5
12.0	71.4	77.4	81.3	85.2
14.0	83.8	90.9	95.4	99.7
16.1	96.3	104.3	109.4	114.3
18.1	108.7	117.7	123.5	128.9
18.8**	113.1	122.5	128.4	134.1
20.1	121.2	131.2	137.5	143.5
22.1	133.6	144.6	151.5	158.1
24.1	146.1	158.1	165.5	172.7
26.2	158.6	171.5	179.6	187.3
28.2	171.1	184.9	193.6	201.8

* Minimum operating weight

** Maximum takeoff weight

CC-115 Buffalo, DHC-5

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	32.1	41.6	48.7	56.8
13.9	35.1	49.6	58.4	69.2
16	40	57.8	68.9	82.1
18	45.7	66.3	80.1	96.2
20	51.3	75.1	91.8	112.7
20.2**	51.7	75.7	92.6	113.8
22.1	57.1	84.8	104	130.1
24.1	63	95	116.7	148
26.2	69	105.6	131.4	166.1
28.2	75.2	116.6	147.7	184.2
30.2	81.7	128.1	164.8	202.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	38.8	46	51.4	57.1
13.9	48.3	57	63.3	69.8
16	58.3	68.5	75.7	82.9
18	68.9	80.3	88.4	96.2
20	79.8	92.7	101.3	109.9
20.2**	80.5	93.4	102.2	110.7
22.1	91.2	105.2	114.6	123.8
24.1	102.9	118.1	128.1	137.8
26.2	114.9	131.2	141.8	152.1
28.2	127.2	144.5	155.7	166.5
30.2	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-138 Twin Otter, DHC-6
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	26	28.8	32.4	34.7
4.9	28.9	33.8	37.7	40.3
5.6	31.4	38.7	43	45.9
6.3	33.8	43.6	48.2	51.5
6.9	35.7	48.1	53.2	56.7
7**	35.9	48.3	53.5	57.1
7.7	39.6	53.1	58.7	62.6
8.4	43.5	57.8	63.8	68.1
9	47.2	62.5	69	73.7
9.7	50.9	67.2	74.2	79.2
10.4	54.6	71.8	79.3	84.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	21.3	23.4	24.9	26.5
4.9	25.1	27.6	29.4	31.2
5.6	28.9	31.8	33.8	35.9
6.3	32.7	36	38.3	40.6
6.9	36.3	40	42.5	45
7**	36.5	40.2	42.7	45.3
7.7	40.3	44.4	47.2	50
8.4	44.2	48.7	51.7	54.6
9	48	52.9	56.1	59.3
9.7	51.9	57.1	60.6	63.9
10.4	55.8	61.4	65	68.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-150, Polaris
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114*	267.7	286.1	315.1	390.5
128.8	304.2	329.3	373.8	477.7
143.6	341.5	375.1	437.7	578.2
158.5	379.8	423.7	507	689
164.9	396.8	446.9	538.8	738.9
173.3**	419.2	478.4	581.7	804.9
188.1	459.8	537.2	668.8	922.3
202.9	501.4	599.9	765.2	1040.7
217.7	544.6	666.7	871.9	1161.2
232.5	589.3	737.7	985.2	1283.2
247.4	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114*	290.5	337.4	381.1	432.6
128.8	343.4	403.1	455.5	514.2
143.6	400.9	473.5	533.5	599.4
158.5	463	548	615.3	687.5
164.9	491.4	581.6	652	726.4
173.3**	529.3	626.3	700.2	777.9
188.1	599.5	707.8	787.7	871.3
202.9	673.6	792.2	877.7	966.6
217.7	751.1	879	970.3	1063.9
232.5	831.6	968.6	1065.1	1164.1
247.4	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from A310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CF-118
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.5*	84.4	85.2	85.5	85.8
13.6	109.1	110	110.5	110.8
16.6	133.7	134.9	135.4	135.8
19.7	158.3	159.7	160.4	160.8
22.8	182.9	184.6	185.3	185.9
25.4**	204	205.9	206.7	207.3
25.8	207.5	209.4	210.3	210.9
28.9	232.1	234.2	235.2	235.9
32	256.6	259	260.1	260.9
35	281.2	283.9	285	285.9
38.1	305.8	308.7	310	310.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.5*	83.8	84.2	84.4	84.7
13.6	108.3	108.8	109.1	109.4
16.6	132.8	133.4	133.8	134.2
19.7	157.4	158	158.4	159
22.8	181.8	182.6	183.1	183.8
25.4**	202.9	203.8	204.3	205
25.8	206.4	207.2	207.9	208.6
28.9	231	231.9	232.5	233.2
32	255.4	256.5	257.2	258.1
35	279.9	281.2	281.8	283
38.1	304.4	305.6	306.5	307.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from FA-18F which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CH-47
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.0*	33.0	43.8	52.0	64.5
17.1	35.9	51.4	61.9	78.3
19.2	41.3	59.3	73.8	92.5
21.3	46.9	67.5	86.0	106.7
22.7	50.6	73.5	94.3	115.9
23.4**	52.7	77.5	99.4	121.0
25.6	58.8	89.0	113.6	135.2
27.7	65.0	100.9	127.8	149.3
29.8	71.6	113.5	142.0	163.5
31.9	79.6	127.7	156.1	177.7
34.0	90.2	141.9	170.3	192.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.0*	45.2	52.0	56.9	61.9
17.1	54.2	62.1	67.5	72.9
19.2	63.7	72.4	78.3	84.2
21.3	73.5	83.0	89.3	95.6
22.7	79.9	89.9	96.5	103.0
23.4**	83.5	93.8	100.6	107.2
25.6	93.8	104.8	112.0	119.0
27.7	104.4	116.0	123.5	130.9
29.8	115.0	127.3	135.3	142.9
31.9	125.9	138.8	147.1	155.1
34.0	137.0	150.4	159.1	167.4

* Minimum operating weight

** Maximum takeoff weight

CH-53E Super Stallion
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	40.8	44.2	47.4	52.0
15.8	55.4	61.0	66.4	77.7
19.8	70.8	79.1	88.5	106.6
23.7	86.9	98.5	115.1	136.4
27.7	103.9	121.1	144.3	166.0
31.6**	121.8	148.0	174.8	195.7
31.6	121.8	148.0	174.8	195.7
35.6	140.8	176.4	205.4	225.7
39.6	161.3	207.9	235.8	255.7
43.5	188.7	239.2	266.4	285.6
47.5	216.8	270.5	297.0	315.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	50.4	53.8	56.3	59.1
15.8	71.8	76.3	79.6	83.0
19.8	94.6	100.1	103.9	107.8
23.7	118.4	124.7	129.0	133.4
27.7	143.1	150.0	154.7	159.5
31.6**	168.5	176.0	181.1	186.2
31.6	168.5	176.0	181.1	186.2
35.6	194.6	202.6	207.9	213.3
39.6	221.1	229.6	235.1	240.7
43.5	248.1	256.8	262.7	268.7
47.5	275.6	284.8	290.6	296.6

* Minimum operating weight

** Maximum takeoff weight

CH-53K
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.8*	70.9	78.5	86.0	99.0
24.3	88.3	99.7	110.1	132.1
28.7	106.8	122.3	139.5	166.3
33.2	126.5	146.3	172.1	200.8
37.6	147.3	174.0	207.6	235.4
39.9**	158.3	190.6	225.8	253.2
42.1	169.1	206.5	243.1	270.0
46.5	192.1	241.0	278.5	304.5
51.0	216.2	277.4	314.0	339.1
55.4	245.9	314.1	349.4	373.8
59.9	279.6	350.7	384.8	408.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.8*	92.1	98.1	102.4	106.8
24.3	118.3	125.4	130.4	135.4
28.7	145.5	153.7	159.1	164.8
33.2	173.8	182.7	188.7	194.8
37.6	202.8	212.4	218.9	225.3
39.9**	217.9	227.9	234.5	241.2
42.1	232.4	242.6	249.5	256.4
46.5	262.6	273.5	280.6	287.7
51.0	293.4	304.7	312.2	319.7
55.4	324.9	336.4	344.3	352.0
59.9	356.5	368.6	376.6	384.4

* Minimum operating weight

** Maximum takeoff weight

Chinook MH-457E
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.2*	24.9	28.4	35.4	42.2
14.9	28.1	36.2	45.0	54.0
17.7	30.8	44.2	55.1	69.2
20.4	33.2	52.6	65.8	85.2
23.1	35.3	61.4	79.2	102.6
24.5**	36.5	66.0	86.7	111.4
25.8	39.2	70.6	94.1	120.0
28.6	44.8	81.1	110.1	137.3
31.3	50.6	95.1	127.2	154.6
34.0	56.6	109.4	144.3	172.0
36.7	63.0	125.9	161.4	189.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.2*	25.2	31.1	35.6	40.4
14.9	33.9	41.6	47.1	52.8
17.7	43.4	52.7	59.1	65.5
20.4	53.6	64.2	71.4	78.5
23.1	64.3	76.2	84.1	92.0
24.5**	69.9	82.4	90.7	98.7
25.8	75.4	88.5	97.1	105.5
28.6	87.0	101.1	110.3	119.3
31.3	98.8	114.0	123.8	133.3
34.0	110.9	127.0	137.5	147.5
36.7	123.2	140.3	151.3	161.8

* Minimum operating weight

** Maximum takeoff weight

Citation II 550, C550

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	26	28.8	32.4	34.7
4.9	28.9	33.8	37.7	40.3
5.6	31.4	38.7	43	45.9
6.3	33.8	43.6	48.2	51.5
6.9	35.7	48.1	53.2	56.7
7**	35.9	48.3	53.5	57.1
7.7	39.6	53.1	58.7	62.6
8.4	43.5	57.8	63.8	68.1
9	47.2	62.5	69	73.7
9.7	50.9	67.2	74.2	79.2
10.4	54.6	71.8	79.3	84.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.2*	21.3	23.4	24.9	26.5
4.9	25.1	27.6	29.4	31.2
5.6	28.9	31.8	33.8	35.9
6.3	32.7	36	38.3	40.6
6.9	36.3	40	42.5	45
7**	36.5	40.2	42.7	45.3
7.7	40.3	44.4	47.2	50
8.4	44.2	48.7	51.7	54.6
9	48	52.9	56.1	59.3
9.7	51.9	57.1	60.6	63.9
10.4	55.8	61.4	65	68.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Citation III 650, C650

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.1	24.7	26.5	28.9
7.4	27.9	29.6	32.1	35.2
8.6	31.7	34.8	37.9	41.9
9.7	35.2	40.1	43.9	48.7
10.9	39.5	45.5	50	55.8
11.2**	40.6	46.7	51.5	57.5
12.1	44.1	51	56.3	63.5
13.3	48.7	56.6	62.8	72.6
14.4	53.4	62.4	69.5	81.9
15.6	58.1	68.4	76.4	91.4
16.8	62.9	74.4	83.4	101.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.3	26.5	28.3	30.4
7.4	30	32.8	35.2	37.7
8.6	36.1	39.5	42.3	45.3
9.7	42.4	46.5	49.6	53.1
10.9	48.9	53.7	57.2	60.9
11.2**	50.5	55.4	59	62.8
12.1	55.7	61	64.9	68.9
13.3	62.7	68.6	72.8	77.1
14.4	69.9	76.3	80.7	85.4
15.6	77.2	84.1	88.8	93.7
16.8	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CL-44 Yukon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.7*	115.6	118.6	123.4	134.5
65.3	145.9	151.6	160.7	181.7
78.9	176.5	186.2	201.1	240.4
92.5	207.7	222.5	245.4	306.4
106.1	239.6	261	294.8	386.3
116.1**	263.5	290.6	338.8	450.8
119.7	272.3	301.7	354.7	475.4
133.4	306.1	345.2	417.8	577.7
147	341	392.2	492.3	685.8
160.6	377.2	443.3	574.8	795.4
174.2	414.7	505.9	663.9	907.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.7*	110.9	120.1	132	150
65.3	145	162.6	182.4	208.9
78.9	183.5	211.5	239.4	273.7
92.5	226.7	266.3	301.9	343.6
106.1	275	326.1	369.2	416.9
116.1**	313.5	373	420.9	472.8
119.7	328.2	390.6	440.2	493.7
133.4	385.9	459	514.8	573.9
147	447.9	531	592.5	656.4
160.6	513.6	606.1	672.8	741.6
174.2	582.8	684.1	755.2	827.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from Boeing 757-200PF which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CN-235 (Civil)
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	29.0	36.5	40.6	43.6
11.6	31.9	42.7	47.3	51.0
13.2	34.4	48.7	54.0	58.4
14.9	40.8	54.8	60.8	65.9
16.5	45.6	60.7	67.5	73.5
16.5**	45.6	60.7	67.5	73.5
18.2	50.3	66.7	74.3	81.2
19.8	54.9	72.6	81.1	89.0
21.5	59.3	78.6	87.9	96.8
23.1	63.8	84.5	94.8	104.8
24.7	68.1	90.4	101.7	112.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	25.9	29.1	31.8	35.1
11.6	30.7	34.8	38.1	42.2
13.2	35.7	40.6	44.6	49.5
14.9	40.7	46.6	51.4	57.1
16.5	45.9	52.7	58.3	64.9
16.5**	45.9	52.7	58.3	64.9
18.2	51.2	59.0	65.4	72.8
19.8	56.5	65.5	72.7	81.0
21.5	62.1	72.1	80.2	89.4
23.1	67.7	78.9	87.8	97.8
24.7	73.4	85.8	95.5	106.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL Low Pressure Tires)

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	22.5	26.9	34.7	39.8
11.6	24.2	32.0	40.4	46.5
13.2	25.7	36.8	46.1	53.2
14.9	26.8	41.4	51.8	59.9
16.5	27.9	45.9	57.4	66.8
16.5**	27.9	45.9	57.4	66.8
18.2	28.8	50.3	63.0	73.7
19.8	29.6	54.7	68.7	80.7
21.5	30.2	59.0	74.3	87.8
23.1	30.8	63.2	80.0	94.9
24.7	31.3	67.5	85.7	102.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	15.1	19.5	23.4	27.7
11.6	17.7	24.0	28.6	33.8
13.2	21.2	28.6	34.0	40.1
14.9	24.8	33.3	39.6	46.7
16.5	28.4	38.1	45.3	53.4
16.5**	28.4	38.1	45.3	53.4
18.2	32.2	43.1	51.3	60.4
19.8	36.0	48.2	57.4	67.6
21.5	40.0	53.5	63.6	74.8
23.1	44.0	58.9	70.1	82.3
24.7	48.1	64.5	76.6	90.0

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL)
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	30.3	37.9	41.5	44.2
11.6	33.4	44.2	48.4	51.6
13.2	39.4	50.5	55.2	59.2
14.9	44.7	56.8	62.1	66.8
16.5	49.7	63.0	69.0	74.5
16.5**	49.7	63.0	69.0	74.5
18.2	54.8	69.2	76.0	82.3
19.8	59.7	75.4	82.9	90.2
21.5	64.6	81.5	90.0	98.2
23.1	69.4	87.7	97.0	106.3
24.7	74.2	93.9	104.1	114.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	27.7	30.8	33.3	36.4
11.6	32.9	36.7	39.8	43.7
13.2	38.1	42.7	46.6	51.2
14.9	43.4	48.9	53.5	59.0
16.5	48.9	55.3	60.6	66.9
16.5**	48.9	55.3	60.6	66.9
18.2	54.4	61.9	68.0	75.1
19.8	60.1	68.6	75.5	83.5
21.5	65.9	75.4	83.2	91.9
23.1	71.8	82.5	91.0	100.7
24.7	77.9	89.7	99.0	109.5

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	29.0	36.5	40.6	43.6
11.6	31.9	42.7	47.3	51.0
13.2	34.4	48.7	54.0	58.4
14.9	40.8	54.8	60.8	65.9
16.5	45.6	60.7	67.5	73.5
16.5**	45.6	60.7	67.5	73.5
18.2	50.3	66.7	74.3	81.2
19.8	54.9	72.6	81.1	89.0
21.5	59.3	78.6	87.9	96.8
23.1	63.8	84.5	94.8	104.8
24.7	68.1	90.4	101.7	112.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	25.9	29.1	31.8	35.1
11.6	30.7	34.8	38.1	42.2
13.2	35.7	40.6	44.6	49.5
14.9	40.7	46.6	51.4	57.1
16.5	45.9	52.7	58.3	64.9
16.5**	45.9	52.7	58.3	64.9
18.2	51.2	59.0	65.4	72.8
19.8	56.5	65.5	72.7	81.0
21.5	62.1	72.1	80.2	89.4
23.1	67.7	78.9	87.8	97.8
24.7	73.4	85.8	95.5	106.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 2
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	30.3	37.9	41.5	44.2
11.6	33.4	44.2	48.4	51.6
13.2	39.4	50.5	55.2	59.2
14.9	44.7	56.8	62.1	66.8
16.5	49.7	63.0	69.0	74.5
16.5**	49.7	63.0	69.0	74.5
18.2	54.8	69.2	76.0	82.3
19.8	59.7	75.4	82.9	90.2
21.5	64.6	81.5	90.0	98.2
23.1	69.4	87.7	97.0	106.3
24.7	74.2	93.9	104.1	114.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	27.7	30.8	33.3	36.4
11.6	32.9	36.7	39.8	43.7
13.2	38.1	42.7	46.6	51.2
14.9	43.4	48.9	53.5	59.0
16.5	48.9	55.3	60.6	66.9
16.5**	48.9	55.3	60.6	66.9
18.2	54.4	61.9	68.0	75.1
19.8	60.1	68.6	75.5	83.5
21.5	65.9	75.4	83.2	91.9
23.1	71.8	82.5	91.0	100.7
24.7	77.9	89.7	99.0	109.5

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 3

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	22.5	26.9	34.7	39.8
11.6	24.2	32.0	40.4	46.5
13.2	25.7	36.8	46.1	53.2
14.9	26.8	41.4	51.8	59.9
16.5	27.9	45.9	57.4	66.8
16.5**	27.9	45.9	57.4	66.8
18.2	28.8	50.3	63.0	73.7
19.8	29.6	54.7	68.7	80.7
21.5	30.2	59.0	74.3	87.8
23.1	30.8	63.2	80.0	94.9
24.7	31.3	67.5	85.7	102.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.9*	15.1	19.5	23.4	27.7
11.6	17.7	24.0	28.6	33.8
13.2	21.2	28.6	34.0	40.1
14.9	24.8	33.3	39.6	46.7
16.5	28.4	38.1	45.3	53.4
16.5**	28.4	38.1	45.3	53.4
18.2	32.2	43.1	51.3	60.4
19.8	36.0	48.2	57.4	67.6
21.5	40.0	53.5	63.6	74.8
23.1	44.0	58.9	70.1	82.3
24.7	48.1	64.5	76.6	90.0

* Minimum operating weight

** Maximum takeoff weight

CT-114 Tutor (Canadair CL-41A)

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.6	19.6	19.6	19.6
2.5	21.8	21.7	21.7	21.7
2.7	23.9	23.9	23.8	23.8
2.9	25.8	25.8	25.7	25.7
3	26	26	25.9	25.9
3.2**	28.1	28.1	28	28
3.5	30.3	30.2	30.2	30.1
3.7	32.4	32.3	32.3	32.2
3.9	34.5	34.4	34.4	34.3
4.2	36.7	36.5	36.5	36.4
4.4	38.8	38.7	38.6	38.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.8	19.8	19.7	19.7
2.5	21.9	21.9	21.9	21.9
2.7	24	24	24	24
2.9	26	25.9	25.9	25.9
3	26.2	26.1	26.1	26.1
3.2**	28.3	28.3	28.2	28.2
3.5	30.4	30.4	30.3	30.3
3.7	32.6	32.5	32.5	32.4
3.9	34.7	34.6	34.6	34.6
4.2	36.8	36.7	36.7	36.7
4.4	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**CT-156, T-6A-1 (Harvard II)
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.6	19.6	19.6	19.6
2.5	21.8	21.7	21.7	21.7
2.7	23.9	23.9	23.8	23.8
2.9	25.8	25.8	25.7	25.7
3	26	26	25.9	25.9
3.2**	28.1	28.1	28	28
3.5	30.3	30.2	30.2	30.1
3.7	32.4	32.3	32.3	32.2
3.9	34.5	34.4	34.4	34.3
4.2	36.7	36.5	36.5	36.4
4.4	38.8	38.7	38.6	38.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.8	19.8	19.7	19.7
2.5	21.9	21.9	21.9	21.9
2.7	24	24	24	24
2.9	26	25.9	25.9	25.9
3	26.2	26.1	26.1	26.1
3.2**	28.3	28.3	28.2	28.2
3.5	30.4	30.4	30.3	30.3
3.7	32.6	32.5	32.5	32.4
3.9	34.7	34.6	34.6	34.6
4.2	36.8	36.7	36.7	36.7
4.4	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CV-22
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.9*	64.6	75.3	83.7	95.9
23.1	72.0	84.6	95.0	109.1
25.4	79.5	94.1	106.8	125.1
27.4	86.6	103.0	118.0	139.9
27.6	87.2	103.8	119.0	141.3
29.9**	95.1	114.4	131.6	158.3
32.1	103.1	125.5	144.5	175.6
34.4	111.2	136.9	158.3	192.9
36.7	119.6	148.6	174.4	210.3
38.9	128.1	160.6	190.7	227.6
41.2	136.9	172.9	207.8	245.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.9*	83.2	91.5	97.3	103.2
23.1	94.8	103.9	110.3	116.7
25.4	106.8	116.7	123.5	130.4
27.4	118.0	128.6	135.9	143.1
27.6	119.0	129.7	137.1	144.3
29.9**	131.5	143.0	150.7	158.4
32.1	144.2	156.4	164.6	172.6
34.4	157.2	170.0	178.6	187.0
36.7	170.5	183.8	192.7	201.4
38.9	183.8	197.8	207.0	216.2
41.2	197.3	211.9	221.4	230.8

* Minimum operating weight

** Maximum takeoff weight

CV-580 Conair/Convair
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.2*	42.7	55.7	63.0	70.8
17.9	50.5	66.1	75.4	85.4
20.6	58.2	76.8	88.2	100.7
23.3	65.9	87.7	101.5	116.6
26.0	73.6	99.0	115.2	133.8
26.4**	74.6	100.5	117.0	136.4
28.7	81.3	110.5	129.4	154.0
31.4	89.1	122.4	144.0	174.9
34.2	97.1	134.7	159.2	196.2
36.9	105.2	147.3	175.4	218.9
39.6	113.6	160.3	194.2	243.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.2*	51.1	59.5	65.9	72.8
17.9	63.1	73.6	81.3	89.4
20.6	75.9	88.3	97.2	106.3
23.3	89.3	103.6	113.6	123.7
26.0	103.4	119.4	130.5	141.5
26.4**	105.3	121.5	132.7	143.9
28.7	117.9	135.7	147.7	159.7
31.4	133.0	152.3	165.3	178.1
34.2	148.4	169.3	183.2	196.8
36.9	164.2	186.6	201.4	215.9
39.6	180.4	204.2	219.8	234.9

* Minimum operating weight

** Maximum takeoff weight

Dash 7
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	41.8	51.0	57.5	67.3
14.5	49.0	60.2	68.3	82.5
16.4	56.3	69.8	79.6	99.0
18.3	63.8	79.8	94.1	116.1
20.0	70.4	88.5	106.9	130.5
20.3**	71.6	90.1	109.3	133.1
22.2	79.6	100.9	124.7	150.0
24.1	88.0	114.5	142.0	167.1
26.1	96.6	129.4	159.3	184.1
28.0	105.5	144.6	176.6	201.3
29.9	114.7	160.3	193.8	218.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	54.7	60.9	65.3	69.9
14.5	66.0	73.2	78.2	83.3
16.4	77.8	85.9	91.3	96.8
18.3	90.0	98.8	104.8	110.7
20.0	100.5	110.0	116.3	122.6
20.3**	102.5	112.1	118.5	124.8
22.2	115.3	125.6	132.4	139.1
24.1	128.4	139.3	146.6	153.7
26.1	141.7	153.3	160.9	168.2
28.0	155.3	167.4	175.3	183.0
29.9	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

DASH-8, CC-142
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	41.8	51	57.5	67.3
14.5	49	60.2	68.3	82.5
16.4	56.3	69.8	79.6	99
18.3	63.8	79.8	94.1	116.1
20	70.4	88.5	106.9	130.5
20.3**	71.6	90.1	109.3	133.1
22.2	79.6	100.9	124.7	150
24.1	88	114.5	142	167.1
26.1	96.6	129.4	159.3	184.1
28	105.5	144.6	176.6	201.3
29.9	114.7	160.3	193.8	218.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	54.7	60.9	65.3	69.9
14.5	66	73.2	78.2	83.3
16.4	77.8	85.9	91.3	96.8
18.3	90	98.8	104.8	110.7
20	100.5	110	116.3	122.6
20.3**	102.5	112.1	118.5	124.8
22.2	115.3	125.6	132.4	139.1
24.1	128.4	139.3	146.6	153.7
26.1	141.7	153.3	160.9	168.2
28	155.3	167.4	175.3	183
29.9	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

DC-8-63F/73F
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.8*	177.8	186.3	199.4	234.9
92.4	224.8	240.2	264.4	329.9
111.1	273.5	298.6	346.2	447.4
129.7	324.4	362.5	437.8	592.6
148.3	377.7	440.1	545.1	739.4
161.0**	415.6	497.8	627.8	840.2
167.0	433.9	526.0	671.8	887.5
185.6	493.3	619.0	817.7	1036.9
204.3	556.5	729.0	966.2	1189.2
222.9	634.0	852.0	1116.4	1344.1
241.5	715.4	993.9	1267.5	1502.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
73.8*	186.1	205.7	228.5	258.9
92.4	246.2	280.8	314.9	356.2
111.1	315.2	365.9	410.4	460.4
129.7	392.9	459.5	513.3	571.7
148.3	479.1	560.3	622.5	688.0
161.0**	541.9	632.4	699.4	769.4
167.0	572.8	667.3	736.7	808.6
185.6	672.6	779.4	855.3	934.0
204.3	778.6	895.8	978.5	1062.7
222.9	889.5	1017.0	1105.4	1194.6
241.5	1004.9	1142.2	1235.8	1330.1

* Minimum operating weight

** Maximum takeoff weight

DC-9-51
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	42.3	43.8	44.8	46.4
18.0	76.5	80.1	83.5	88.8
26.1	111.2	118.5	125.4	136.8
34.1	147.0	159.0	171.4	191.7
42.1	184.0	202.5	221.9	256.0
50.2**	222.6	249.3	277.1	322.8
54.9	246.0	278.0	314.4	365.1
58.2	262.9	299.3	342.1	395.7
66.2	306.2	353.2	409.2	472.1
74.3	351.8	414.9	481.5	548.6
82.3	399.5	483.2	557.4	624.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	44.5	46.8	48.8	51.3
18.0	87.4	93.1	97.6	102.6
26.1	135.7	144.7	151.3	158.3
34.1	188.0	199.8	208.1	216.7
42.1	243.2	257.5	267.4	277.7
50.2**	300.9	317.3	328.6	339.9
54.9	335.9	353.2	365.2	377.2
58.2	360.7	379.0	391.4	404.2
66.2	422.3	442.1	455.5	468.9
74.3	485.3	506.8	520.8	535.3
82.3	549.9	572.3	587.2	602.8

* Minimum operating weight

** Maximum takeoff weight

DC-10-40
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
122.8*	223.5	229.2	236.2	253.1
153.3	278.1	287.7	300.1	333.8
183.7	332.9	347.4	368.4	425.7
214.1	388.2	409.2	443.4	534.8
244.5	444.3	473.6	525.2	658.9
264.4**	481.3	517.6	582.6	747.3
275.0	501.0	541.7	614.1	796.0
305.4	558.7	614.3	715.9	950.9
335.8	617.5	691.3	827.9	1110.0
366.2	677.6	773.2	949.9	1284.9
396.7	739.3	860.6	1081.9	1457.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
122.8*	209.3	224.6	244.9	277.1
153.3	267.5	296.1	330.0	377.9
183.7	331.4	377.3	425.9	488.5
214.1	402.3	467.9	531.3	608.5
244.5	480.4	567.0	645.3	735.4
264.4**	535.6	636.5	723.8	821.9
275.0	566.2	674.6	766.3	868.6
305.4	659.3	789.2	893.4	1007.3
335.8	759.6	909.8	1026.5	1150.5
366.2	867.2	1036.8	1164.4	1297.9
396.7	980.4	1168.9	1306.5	1449.4

* Minimum operating weight

** Maximum takeoff weight

DO-328
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.9*	24.8	28.6	36.2	43.6
10.3	26.9	33.9	42.9	51.9
11.6	28.8	39.4	49.7	62.3
12.9	30.5	44.9	56.8	72.9
14.0	31.7	49.4	62.6	81.8
14.3**	32.0	50.7	64.2	84.4
15.6	33.4	56.6	73.8	96.4
17.0	34.7	62.8	83.9	108.4
18.3	35.9	69.2	94.3	120.4
19.6	39.1	77.1	105.6	132.4
21.0	43.0	86.6	117.4	144.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.9*	25.5	31.8	36.6	41.6
10.3	31.4	39.0	44.5	50.2
11.6	37.7	46.5	52.7	58.9
12.9	44.5	54.3	61.0	67.8
14.0	49.9	60.5	67.7	74.8
14.3**	51.5	62.3	69.6	76.8
15.6	58.7	70.4	78.3	86.0
17.0	66.2	78.8	87.2	95.2
18.3	73.9	87.3	96.1	104.6
19.6	81.8	96.0	105.2	114.1
21.0	89.8	104.7	114.4	123.8

* Minimum operating weight

** Maximum takeoff weight

Dominie T Mk1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.1	24.7	26.5	28.9
7.4	27.9	29.6	32.1	35.2
8.6	31.7	34.8	37.9	41.9
9.7	35.2	40.1	43.9	48.7
10.9	39.5	45.5	50	55.8
11.2**	40.6	46.7	51.5	57.5
12.1	44.1	51	56.3	63.5
13.3	48.7	56.6	62.8	72.6
14.4	53.4	62.4	69.5	81.9
15.6	58.1	68.4	76.4	91.4
16.8	62.9	74.4	83.4	101.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.3	26.5	28.3	30.4
7.4	30	32.8	35.2	37.7
8.6	36.1	39.5	42.3	45.3
9.7	42.4	46.5	49.6	53.1
10.9	48.9	53.7	57.2	60.9
11.2**	50.5	55.4	59	62.8
12.1	55.7	61	64.9	68.9
13.3	62.7	68.6	72.8	77.1
14.4	69.9	76.3	80.7	85.4
15.6	77.2	84.1	88.8	93.7
16.8	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Dragonfly, A37
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.7*	27.1	28.5	30	31.1
4.4	30.9	33.6	35.3	36.5
5	34.6	38.7	40.6	41.9
5.7	38.7	43.7	45.8	47.2
6.3	43.4	48.7	51	52.6
6.4**	43.7	49.1	51.4	53
6.9	48	53.7	56.2	58
7.6	52.5	58.7	61.4	63.3
8.2	57	63.7	66.6	68.7
8.9	61.5	68.7	71.8	74
9.5	66	73.6	77	79.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.7*	24	25.1	25.8	26.7
4.4	28.4	29.6	30.5	31.5
5	32.7	34.2	35.2	36.3
5.7	37.1	38.8	39.9	41.2
6.3	41.4	43.3	44.6	46
6.4**	41.8	43.7	45	46.3
6.9	45.8	47.9	49.4	50.8
7.6	50.2	52.5	54.1	55.6
8.2	54.5	57.1	58.8	60.5
8.9	58.9	61.7	63.5	65.3
9.5	63.3	66.3	68.2	70.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-37B TWEET which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

E-2C Hawkeye
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.3*	170.8	168.1	166.8	165.9
19.3	190.6	187.6	186.2	185.2
21.3	210.5	207.1	205.6	204.5
23.3	230.4	226.7	225.0	223.8
23.5	232.9	229.1	227.4	226.2
25.3**	250.3	246.2	244.4	243.1
27.3	270.1	265.7	263.8	262.3
29.3	290.0	285.3	283.2	281.6
31.3	309.9	304.8	302.6	300.9
33.3	329.8	324.4	322.0	320.2
35.3	349.7	343.9	341.4	339.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
17.3*	173.1	171.7	170.8	170.0
19.3	193.2	191.6	190.6	189.6
21.3	213.2	211.5	210.4	209.3
23.3	233.2	231.4	230.2	228.8
23.5	235.7	233.9	232.7	231.3
25.3**	253.3	251.3	249.9	248.6
27.3	273.3	271.1	269.7	268.4
29.3	293.3	291.0	289.5	287.9
31.3	313.4	310.9	309.3	307.5
33.3	333.4	330.7	329.2	327.2
35.3	353.4	350.6	349.0	346.9

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Afloat)
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.1*	203.1	198.2	196.0	194.5
22.2	224.5	219.1	216.6	214.9
24.3	245.9	240.0	237.3	235.4
26.1	263.5	257.1	254.2	252.1
26.5	267.4	260.8	257.9	255.8
28.6**	288.8	281.7	278.5	276.3
30.7	310.2	302.6	299.2	296.7
32.8	331.6	323.5	319.8	317.2
34.9	353.1	344.4	340.5	337.6
37.0	374.5	365.3	361.1	358.1
39.1	396.0	386.1	381.8	378.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.1*	207.3	204.8	203.2	201.5
22.2	229.1	226.4	224.5	222.5
24.3	250.8	247.8	245.7	243.7
26.1	268.6	265.4	263.2	261.1
26.5	272.4	269.2	267.0	264.9
28.6**	294.1	290.7	288.2	285.8
30.7	315.9	312.1	309.5	306.9
32.8	337.5	333.6	330.8	328.0
34.9	359.1	355.0	352.1	349.1
37.0	380.8	376.5	373.3	370.2
39.1	402.5	397.9	394.6	391.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Shore)
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.1*	194.8	193.3	192.6	192.2
22.2	215.2	213.6	212.9	212.3
24.3	235.7	233.9	233.1	232.5
26.1	252.4	250.5	249.7	249.1
26.5	256.1	254.2	253.3	252.7
28.6**	276.6	274.5	273.5	272.8
30.7	297.0	294.8	293.8	293.0
32.8	317.5	315.1	314.0	313.2
34.9	337.9	335.4	334.2	333.4
37.0	358.4	355.7	354.4	353.5
39.1	378.9	376.0	374.7	373.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.1*	195.9	195.1	194.7	194.2
22.2	216.4	215.6	215.2	214.4
24.3	237.0	236.1	235.5	234.9
26.1	253.8	252.8	252.3	251.7
26.5	257.5	256.5	256.0	255.3
28.6**	277.9	277.0	276.3	275.8
30.7	298.5	297.3	296.7	295.9
32.8	319.1	317.8	317.1	316.3
34.9	339.5	338.3	337.6	336.6
37.0	360.0	358.7	358.0	357.0
39.1	380.5	379.2	378.4	377.4

* Minimum operating weight

** Maximum takeoff weight

E-3 Sentry AWAC
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.0*	191.1	198.4	210.2	241.6
97.4	228.0	239.8	259.5	308.8
112.9	265.6	283.2	314.3	387.5
128.4	304.1	329.1	374.8	479.4
143.8	343.6	379.1	440.6	587.0
147.4**	353.0	391.2	456.8	613.4
159.3	384.3	432.7	514.6	703.8
174.7	426.2	490.3	599.7	823.7
190.2	469.5	551.9	691.9	943.7
205.7	515.0	617.4	798.0	1065.0
221.1	563.1	690.8	913.9	1188.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.0*	194.9	214.8	238.3	270.6
97.4	240.3	271.5	304.3	345.9
112.9	290.3	334.5	376.2	425.5
128.4	345.6	402.7	452.8	509.7
143.8	405.8	475.9	534.0	597.9
147.4**	420.6	493.8	553.5	619.0
159.3	471.0	553.4	618.9	689.0
174.7	540.5	635.0	707.1	783.0
190.2	614.3	720.0	797.9	879.7
205.7	692.1	807.9	891.6	978.5
221.1	773.5	898.5	988.0	1079.7

* Minimum operating weight

** Maximum takeoff weight

**E-4B National Airborne Operations Center
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
209.3*	244.3	251.0	263.4	298.1
246.5	288.1	299.2	319.2	376.8
283.8	332.5	349.1	379.9	465.4
321.0	377.6	401.3	447.9	565.6
358.2	423.6	456.3	523.5	684.6
362.9**	429.5	463.4	533.5	699.9
395.4	470.6	514.6	605.6	807.9
432.6	518.5	577.0	694.9	941.5
469.9	567.6	646.2	792.1	1076.8
507.1	618.0	720.2	905.0	1225.8
544.3	670.1	798.9	1025.3	1378.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
209.3*	244.0	271.2	301.8	342.9
246.5	298.2	339.0	380.5	432.4
283.8	357.8	413.7	465.9	527.6
321.0	423.1	494.2	556.7	627.9
358.2	494.0	580.6	652.5	732.1
362.9**	503.3	591.8	664.8	746.1
395.4	570.3	672.2	753.0	840.5
432.6	651.8	768.1	856.9	951.9
469.9	738.4	867.7	964.7	1066.5
507.1	829.2	971.3	1075.6	1183.3
544.3	923.5	1078.3	1189.1	1303.2

* Minimum operating weight

** Maximum takeoff weight

E-8C Joint Stars
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
77.6*	177.2	185.2	196.3	223.6
94.3	216.2	229.2	248.0	294.8
111.1	256.0	275.5	306.5	378.1
127.9	296.8	324.3	371.6	477.4
144.7	338.7	378.4	443.2	595.3
152.4**	358.4	404.6	478.3	653.3
161.5	382.0	436.7	525.3	723.3
178.3	426.9	499.7	619.4	853.9
195.0	473.3	567.4	722.8	984.7
211.8	522.9	640.1	844.2	1117.4
228.6	575.3	726.3	975.0	1252.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
77.6*	177.9	195.7	217.4	247.8
94.3	224.8	254.7	286.8	327.8
111.1	277.2	321.4	363.6	413.6
127.9	335.6	394.5	446.3	504.6
144.7	400.0	473.7	534.2	600.3
152.4**	431.7	511.9	576.2	645.5
161.5	470.4	558.0	626.7	699.7
178.3	546.1	647.1	723.0	801.9
195.0	626.8	740.1	822.3	907.8
211.8	712.3	836.5	925.2	1016.5
228.6	801.7	936.2	1031.0	1128.2

* Minimum operating weight

** Maximum takeoff weight

EC-130E Commando Solo
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	124.1	144.1	153.8	162.7
44.7	155.4	181.3	194.6	207.3
54.0	186.4	218.6	235.6	253.6
63.3	217.2	256.1	277.5	301.8
72.6	247.8	294.1	320.3	351.9
79.4**	270.2	322.0	352.2	389.6
81.9	278.5	332.4	364.1	403.7
91.2	309.1	371.2	409.3	457.7
100.5	339.9	410.6	455.6	513.8
109.8	370.8	450.7	503.2	572.1
119.1	401.9	491.6	552.1	632.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	121.7	133.4	143.0	154.5
44.7	157.2	173.9	187.4	202.9
54.0	194.4	216.6	234.0	253.9
63.3	233.4	261.2	282.7	306.9
72.6	273.9	307.5	333.2	361.1
79.4**	304.6	342.8	371.3	402.3
81.9	316.2	355.8	385.5	417.4
91.2	359.8	405.5	439.0	474.5
100.5	404.9	456.7	494.0	533.2
109.8	451.5	509.2	550.3	593.0
119.1	499.5	562.8	607.7	653.8

* Minimum operating weight

** Maximum takeoff weight

EC-130H Compass Call
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	127.7	146.2	155.3	163.7
44.7	160.0	184.0	196.5	208.6
54.0	192.0	221.9	237.9	255.2
63.3	223.8	260.1	280.2	303.7
72.6	255.6	298.7	323.5	354.1
79.4**	278.8	327.1	355.8	392.1
81.9	287.3	337.6	367.8	406.2
91.2	319.1	377.1	413.4	460.5
100.5	351.0	417.2	460.2	516.9
109.8	383.0	457.9	508.2	575.4
119.1	415.2	499.5	557.6	635.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	124.6	136.0	145.4	156.7
44.7	161.0	177.1	190.3	205.8
54.0	199.0	220.6	237.5	257.1
63.3	238.8	265.8	286.9	310.2
72.6	280.1	313.0	338.1	365.2
79.4**	311.4	348.6	376.6	406.8
81.9	323.3	361.8	390.9	422.0
91.2	367.7	412.3	445.0	479.7
100.5	413.7	464.1	500.5	538.9
109.8	461.1	517.0	557.4	599.2
119.1	509.9	571.6	615.4	660.5

* Minimum operating weight

** Maximum takeoff weight

EC-130J Commando Solo
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.7*	195.9	216.3	227.6	240.3
57.4	225.5	249.9	263.8	281.0
65.1	255.0	283.8	300.7	323.0
72.8	284.6	317.8	338.3	366.2
79.4	309.8	347.0	370.9	404.1
80.5**	314.2	352.1	376.6	410.7
88.2	343.8	386.8	415.9	456.6
95.9	373.5	422.0	456.1	503.9
103.6	403.4	457.6	497.0	552.7
111.4	433.4	493.7	538.9	602.9
119.1	463.6	530.4	581.7	654.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
49.7*	198.1	215.3	229.4	245.5
57.4	233.0	254.5	271.6	291.1
65.1	269.2	295.1	315.2	337.5
72.8	306.5	336.8	360.0	385.7
79.4	339.4	373.3	399.0	427.0
80.5**	345.1	379.6	405.8	434.2
88.2	384.6	423.6	452.7	483.7
95.9	425.2	468.6	500.4	534.4
103.6	466.7	514.4	549.1	585.9
111.4	509.1	561.2	598.8	637.9
119.1	552.6	608.9	648.7	690.5

* Minimum operating weight

** Maximum takeoff weight

EC-130J Super J
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
38.0*	150.8	165.7	173.4	181.2
46.8	184.7	203.6	214.0	225.3
55.5	218.4	241.8	255.0	271.0
64.3	252.0	280.2	296.8	318.5
73.1	285.6	318.9	339.5	367.6
77.9**	304.3	340.6	363.7	395.7
81.8	319.2	358.0	383.3	418.4
90.6	352.9	397.6	428.2	471.0
99.4	386.8	437.8	474.2	525.4
108.1	420.8	478.6	521.3	581.7
116.9	455.1	520.1	569.6	639.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
38.0*	147.4	158.7	168.3	179.8
46.8	185.2	200.9	213.8	228.7
55.5	224.5	244.9	261.3	280.0
64.3	265.4	290.9	310.5	332.5
73.1	307.8	338.2	361.5	387.3
77.9**	332.3	365.2	390.4	417.9
81.8	351.8	386.9	413.8	442.5
90.6	397.0	437.3	467.4	499.2
99.4	443.5	489.0	522.0	557.2
108.1	491.3	541.5	578.0	616.1
116.9	540.2	595.4	634.6	675.7

* Minimum operating weight

** Maximum takeoff weight

EC-135A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.1*	117.9	123.4	128.2	137.2
70.9	154.0	162.9	172.0	189.6
87.7	190.4	204.0	218.8	252.7
104.5	227.4	246.8	269.4	324.3
121.3	265.0	291.7	324.9	404.9
136.8**	300.5	335.3	386.5	496.1
138.1	303.4	338.9	391.4	503.8
154.8	342.9	389.0	461.4	617.5
171.6	383.5	442.6	537.5	741.1
188.4	425.4	506.8	627.1	869.6
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.1*	113.0	118.2	125.6	139.4
70.9	150.3	161.8	177.3	202.1
87.7	190.5	211.6	237.3	273.7
104.5	234.5	268.3	305.2	352.6
121.3	283.2	332.0	379.8	437.1
136.8**	333.1	396.6	454.2	519.0
138.1	337.3	402.0	460.3	525.9
154.8	397.1	477.8	545.3	619.4
171.6	462.4	558.5	635.1	716.3
188.4	533.0	643.9	728.3	816.5
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135C
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.5*	133.8	140.6	147.1	159.4
77.5	168.2	178.8	189.9	212.2
93.4	203.0	218.4	235.6	276.3
109.4	238.3	259.8	285.1	346.9
125.4	274.3	303.0	339.3	428.1
136.8**	300.5	335.3	386.5	496.1
141.3	311.1	348.5	404.6	524.5
157.3	348.8	396.7	472.2	634.9
173.3	387.5	448.1	545.2	753.7
189.2	427.5	509.9	631.8	875.9
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.5*	129.2	136.7	147.3	166.0
77.5	165.6	180.5	199.9	229.1
93.4	205.1	230.2	259.9	300.1
109.4	248.3	286.4	326.5	376.8
125.4	295.9	348.6	399.0	457.9
136.8**	333.1	396.6	454.2	519.0
141.3	348.6	416.4	476.4	543.9
157.3	406.3	489.3	558.3	633.7
173.3	469.1	566.7	644.0	726.0
189.2	536.4	648.2	732.9	821.6
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135E
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
52.6*	114.6	119.9	124.4	132.9
69.6	151.1	159.7	168.4	185.2
86.5	187.9	201.1	215.4	245.4
103.5	225.2	244.2	266.2	319.8
120.4	263.1	289.4	322.0	400.3
136.8**	300.5	335.3	386.5	496.1
137.4	301.9	337.0	388.8	499.7
154.3	341.7	387.5	459.3	614.0
171.3	382.7	441.5	535.9	738.6
188.3	425.0	506.1	626.2	868.3
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
52.6*	109.8	114.6	121.4	134.4
69.6	147.3	158.1	173.0	196.8
86.5	187.6	207.9	233.0	268.5
103.5	231.8	264.7	301.0	347.7
120.4	280.6	328.8	376.0	432.3
136.8**	333.1	396.6	454.2	519.0
137.4	335.1	399.2	457.1	522.2
154.3	395.2	475.4	542.7	616.6
171.3	461.1	556.9	633.3	714.4
188.3	532.2	643.1	727.3	815.5
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135G
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
55.7*	121.3	127.0	132.2	141.9
72.3	157.1	166.3	175.8	194.4
88.9	193.1	207.1	222.3	257.7
105.5	229.7	249.6	272.7	329.0
122.1	267.0	294.1	327.9	409.8
136.8**	300.5	335.3	386.5	496.1
138.8	305.1	340.9	394.2	508.2
155.4	344.1	390.7	463.7	621.3
172.0	384.4	443.8	539.1	743.8
188.6	425.9	507.4	628.1	870.9
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
55.7*	116.5	122.1	130.1	144.9
72.3	153.5	165.7	182.1	208.0
88.9	193.6	215.5	242.1	279.3
105.5	237.4	272.2	309.7	357.7
122.1	285.9	335.6	383.9	441.2
136.8**	333.1	396.6	454.2	519.0
138.8	339.7	405.1	463.8	529.7
155.4	399.1	480.2	548.1	622.4
172.0	463.8	560.3	637.0	718.3
188.6	533.6	644.8	729.3	817.6
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135H
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.2*	137.5	144.7	151.6	164.8
79.0	171.6	182.5	194.2	217.6
94.8	206.0	221.8	239.6	281.9
110.6	240.9	262.8	288.9	352.2
126.3	276.5	305.7	342.7	433.6
136.8**	300.5	335.3	386.5	496.1
142.1	312.8	350.7	407.8	529.4
157.9	350.1	398.5	474.7	639.0
173.7	388.5	449.3	546.6	756.6
189.4	428.0	510.6	632.9	877.3
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.2*	133.1	141.2	152.7	172.4
79.0	169.3	185.0	205.3	235.6
94.8	208.5	234.7	265.2	306.3
110.6	251.6	290.6	331.5	382.5
126.3	298.9	352.5	403.5	462.9
136.8**	333.1	396.6	454.2	519.0
142.1	351.2	419.8	480.3	548.1
157.9	408.5	492.3	561.3	636.9
173.7	470.6	568.6	646.1	728.2
189.4	537.3	649.2	734.0	822.7
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135J
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
62.6*	136.2	143.3	150.1	163.0
78.5	170.4	181.3	192.7	215.8
94.3	205.0	220.7	238.2	280.0
110.2	240.0	261.8	287.6	350.4
126.0	275.7	304.7	341.5	431.7
136.8**	300.5	335.3	386.5	496.1
141.8	312.2	349.9	406.7	527.7
157.7	349.7	397.9	473.9	637.6
173.5	388.2	448.9	546.4	755.6
189.4	427.8	510.3	632.5	876.8
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
62.6*	131.7	139.6	150.8	170.2
78.5	168.0	183.5	203.4	233.3
94.3	207.3	233.1	263.4	304.2
110.2	250.4	289.3	329.8	380.5
126.0	297.9	351.2	402.0	461.2
136.8**	333.1	396.6	454.2	519.0
141.8	350.3	418.7	479.2	546.6
157.7	407.8	491.3	560.3	635.8
173.5	470.1	568.0	645.4	727.5
189.4	537.0	648.9	733.6	822.3
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135K
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.0*	132.6	139.3	145.7	157.8
77.0	167.2	177.6	188.6	210.5
93.0	202.1	217.4	234.3	274.5
109.0	237.5	258.8	284.0	345.2
125.1	273.6	302.2	338.2	426.4
136.8**	300.5	335.3	386.5	496.1
141.1	310.5	347.7	403.7	523.0
157.1	348.3	396.1	471.4	633.6
173.2	387.3	447.7	544.7	752.8
189.2	427.4	509.6	631.4	875.4
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
61.0*	128.0	135.3	145.7	164.0
77.0	164.5	179.1	198.2	227.1
93.0	204.0	228.8	258.2	298.1
109.0	247.3	285.1	324.9	375.0
125.1	295.0	347.4	397.6	456.3
136.8**	333.1	396.6	454.2	519.0
141.1	347.7	415.4	475.2	542.5
157.1	405.7	488.5	557.3	632.6
173.2	468.6	566.1	643.4	725.2
189.2	536.2	647.9	732.6	821.2
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135L
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.2*	111.5	116.5	120.8	128.7
68.3	148.4	156.7	165.0	181.0
85.4	185.4	198.3	212.2	241.1
102.5	223.0	241.7	263.2	315.4
119.6	261.3	287.2	319.2	395.9
136.7**	300.4	335.1	386.2	495.7
136.8	300.5	335.3	386.5	496.1
153.9	340.5	386.0	457.2	610.6
171.0	381.9	440.5	534.4	736.2
188.1	424.6	505.5	625.3	867.1
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.2*	106.6	111.1	117.4	129.6
68.3	144.4	154.6	168.7	191.8
85.4	184.8	204.4	228.7	263.4
102.5	229.1	261.3	296.9	343.0
119.6	278.2	325.6	372.3	428.2
136.7**	332.9	396.4	453.9	518.7
136.8	333.1	396.6	454.2	519.0
153.9	393.4	473.2	540.2	613.8
171.0	459.8	555.3	631.5	712.5
188.1	531.5	642.2	726.4	814.5
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135P
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
60.8*	132.3	139.0	145.4	157.3
76.9	166.9	177.3	188.3	210.1
92.9	201.9	217.1	234.0	274.1
109.0	237.3	258.6	283.7	344.7
125.0	273.4	301.9	337.9	425.9
136.8**	300.5	335.3	386.5	496.1
141.0	310.4	347.6	403.4	522.6
157.1	348.2	396.0	471.2	633.3
173.1	387.2	447.6	544.5	752.5
189.2	427.3	509.6	631.4	875.3
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
60.8*	127.7	135.0	145.2	163.5
76.9	164.2	178.8	197.7	226.6
92.9	203.7	228.5	257.7	297.6
109.0	247.0	284.7	324.5	374.5
125.0	294.7	347.1	397.2	455.9
136.8**	333.1	396.6	454.2	519.0
141.0	347.5	415.1	474.9	542.2
157.1	405.5	488.2	557.1	632.4
173.1	468.5	565.9	643.2	725.1
189.2	536.1	647.8	732.5	821.1
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135Y
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.6*	112.4	117.5	121.8	129.9
66.6	144.8	152.7	160.6	175.6
81.7	177.4	189.1	201.7	227.3
96.8	210.3	226.9	245.5	290.3
111.8	243.7	266.2	293.0	358.2
124.7**	272.8	301.2	337.0	424.5
126.9	277.7	307.1	344.6	436.7
141.9	312.4	350.2	407.0	528.2
157.0	348.0	395.7	470.8	632.7
172.0	384.5	444.0	539.4	744.3
187.1	422.1	495.4	619.7	859.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
51.6*	107.5	112.1	118.5	130.9
66.6	140.6	150.2	163.3	185.3
81.7	175.7	193.0	215.0	247.1
96.8	213.7	241.4	273.2	315.7
111.8	255.2	295.3	337.1	388.7
124.7**	293.9	346.0	396.0	454.6
126.9	300.7	354.7	406.1	465.8
141.9	350.6	419.0	479.2	547.1
157.0	405.1	487.8	556.6	631.6
172.0	464.1	560.6	637.3	718.7
187.1	527.2	637.1	720.9	808.5

* Minimum operating weight

** Maximum takeoff weight

EH-101 NSA
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.5*	35.9	38.5	41.1	44.9
11.9	41	44.4	47.6	52.3
13.4	46.2	50.4	54.3	61.3
14.8	51.5	56.5	61.2	70.8
15.6	54.5	60	65.2	76.1
16.2**	56.9	62.8	68.4	80.4
17.7	62.4	69.3	75.7	90.6
19.1	68	75.9	83.9	101.5
20.5	73.7	82.7	93.4	112.3
22	79.5	89.6	103	123.1
23.4	85.5	96.7	112.7	133.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.5*	43.3	46.2	48.4	50.9
11.9	50.7	54	56.6	59.4
13.4	58.3	62.1	64.9	67.9
14.8	66.1	70.3	73.4	76.6
15.6	70.5	75	78.1	81.5
16.2**	74.1	78.7	82	85.5
17.7	82.2	87.2	90.7	94.3
19.1	90.5	95.9	99.6	103.4
20.5	99	104.7	108.5	112.6
22	107.6	113.5	117.6	121.8
23.4	116.3	122.5	126.8	131.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from CH-53E which is in the PCASE Library

Same landing gear configuration

Similar MTOW and ACN

F-4C/D/E
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.0*	149.5	147.1	146.0	145.2
18.6	174.1	171.2	169.9	169.0
21.2	198.6	195.4	193.9	192.8
23.8	223.2	219.5	217.8	216.6
26.3	246.8	242.7	240.8	239.5
26.4**	247.7	243.6	241.8	240.5
29.0	272.3	267.7	265.7	264.3
31.6	296.8	291.9	289.7	288.1
34.2	321.4	316.0	313.6	311.9
36.9	346.0	340.2	337.6	335.7
39.5	370.6	364.3	361.6	359.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.0*	151.8	150.5	149.7	148.9
18.6	176.4	175.0	174.1	173.2
21.2	201.2	199.7	198.5	197.4
23.8	226.0	224.2	223.0	221.6
26.3	249.9	247.8	246.5	245.1
26.4**	250.8	248.8	247.4	246.0
29.0	275.5	273.3	271.8	270.5
31.6	300.3	297.8	296.3	294.6
34.2	325.1	322.4	320.7	318.9
36.9	349.7	347.0	345.3	343.2
39.5	374.5	371.5	369.7	367.5

* Minimum operating weight

** Maximum takeoff weight

F-14
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.6*	141.3	140.0	139.4	139.0
20.3	172.3	170.7	169.9	169.4
23.9	203.2	201.3	200.4	199.8
27.6	234.2	232.0	231.0	230.3
31.2	265.2	262.6	261.5	260.7
32.9**	279.9	277.2	276.0	275.1
34.8	296.1	293.3	292.0	291.1
38.5	327.1	324.0	322.6	321.6
42.1	358.1	354.6	353.1	352.0
45.8	389.1	385.3	383.6	382.4
49.4	420.1	416.0	414.2	412.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.6*	142.5	141.9	141.4	141.0
20.3	173.6	172.7	172.2	171.7
23.9	204.7	203.7	203.2	202.4
27.6	235.8	234.7	234.0	233.2
31.2	266.9	265.6	265.0	264.2
32.9**	281.6	280.4	279.6	278.9
34.8	298.0	296.6	295.8	294.8
38.5	329.0	327.5	326.7	325.6
42.1	360.1	358.5	357.6	356.3
45.8	391.2	389.5	388.4	387.1
49.4	422.3	420.4	419.3	418.1

* Minimum operating weight

** Maximum takeoff weight

F-15A Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	112.8	111.0	110.2	109.6
15.3	138.6	136.4	135.4	134.7
18.2	164.4	161.8	160.6	159.8
21.0	190.3	187.2	185.8	184.9
23.9	216.1	212.6	211.1	209.9
25.4**	230.1	226.4	224.7	223.5
26.7	242.0	238.1	236.3	235.0
29.6	267.9	263.5	261.5	260.1
32.4	293.7	288.9	286.8	285.2
35.3	319.6	314.4	312.0	310.3
38.1	345.5	339.8	337.3	335.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	114.5	113.6	113.0	112.4
15.3	140.6	139.6	138.7	138.0
18.2	166.6	165.3	164.5	163.7
21.0	192.8	191.2	190.2	189.2
23.9	218.9	217.1	216.0	214.7
25.4**	232.9	231.1	229.9	228.5
26.7	245.0	243.0	241.7	240.4
29.6	271.0	268.9	267.5	266.1
32.4	297.1	294.7	293.2	291.5
35.3	323.2	320.6	318.9	317.2
38.1	349.2	346.5	344.8	342.8

* Minimum operating weight

** Maximum takeoff weight

F-15B Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	112.8	111.0	110.2	109.6
15.3	138.6	136.4	135.4	134.7
18.2	164.4	161.8	160.6	159.8
21.0	190.3	187.2	185.8	184.9
23.9	216.1	212.6	211.1	209.9
25.4**	230.1	226.4	224.7	223.5
26.7	242.0	238.1	236.3	235.0
29.6	267.9	263.5	261.5	260.1
32.4	293.7	288.9	286.8	285.2
35.3	319.6	314.4	312.0	310.3
38.1	345.5	339.8	337.3	335.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	114.5	113.6	113.0	112.4
15.3	140.6	139.6	138.7	138.0
18.2	166.6	165.3	164.5	163.7
21.0	192.8	191.2	190.2	189.2
23.9	218.9	217.1	216.0	214.7
25.4**	232.9	231.1	229.9	228.5
26.7	245.0	243.0	241.7	240.4
29.6	271.0	268.9	267.5	266.1
32.4	297.1	294.7	293.2	291.5
35.3	323.2	320.6	318.9	317.2
38.1	349.2	346.5	344.8	342.8

* Minimum operating weight

** Maximum takeoff weight

F-15C Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.8*	120.9	116.9	115.1	113.8
16.5	156.3	151.1	148.7	147.0
20.2	191.7	185.3	182.3	180.3
23.9	227.2	219.5	216.0	213.5
27.7	262.7	253.7	249.7	246.8
30.8**	293.1	283.0	278.5	275.3
31.4	298.3	288.0	283.5	280.1
35.1	333.9	322.3	317.2	313.4
38.8	369.5	356.7	350.9	346.8
42.5	405.1	391.0	384.7	380.1
46.3	440.7	425.3	418.5	413.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.8*	125.4	123.2	121.8	120.3
16.5	161.6	158.9	156.9	155.2
20.2	197.9	194.6	192.2	190.0
23.9	234.1	230.2	227.4	224.7
27.7	270.4	265.7	262.7	259.8
30.8**	301.4	296.2	292.7	289.3
31.4	306.7	301.4	297.9	294.4
35.1	343.0	337.0	333.1	329.3
38.8	379.3	372.7	368.4	364.2
42.5	415.6	408.3	403.6	399.0
46.3	451.8	444.1	438.9	433.9

* Minimum operating weight

** Maximum takeoff weight

F-15D Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.8*	120.9	116.9	115.1	113.8
16.5	156.3	151.1	148.7	147.0
20.2	191.7	185.3	182.3	180.3
23.9	227.2	219.5	216.0	213.5
27.7	262.7	253.7	249.7	246.8
30.8**	293.1	283.0	278.5	275.3
31.4	298.3	288.0	283.5	280.1
35.1	333.9	322.3	317.2	313.4
38.8	369.5	356.7	350.9	346.8
42.5	405.1	391.0	384.7	380.1
46.3	440.7	425.3	418.5	413.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.8*	125.4	123.2	121.8	120.3
16.5	161.6	158.9	156.9	155.2
20.2	197.9	194.6	192.2	190.0
23.9	234.1	230.2	227.4	224.7
27.7	270.4	265.7	262.7	259.8
30.8**	301.4	296.2	292.7	289.3
31.4	306.7	301.4	297.9	294.4
35.1	343.0	337.0	333.1	329.3
38.8	379.3	372.7	368.4	364.2
42.5	415.6	408.3	403.6	399.0
46.3	451.8	444.1	438.9	433.9

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.4*	133.8	130.2	128.5	127.3
18.9	176.1	171.3	169.1	167.6
23.4	218.5	212.5	209.8	207.9
28.0	260.9	253.7	250.5	248.1
32.5	303.4	294.9	291.2	288.4
36.7**	343.4	333.8	329.5	326.3
37.0	345.9	336.2	331.9	328.7
41.5	388.4	377.5	372.6	369.0
46.1	430.9	418.8	413.3	409.3
50.6	473.4	460.1	454.1	449.6
55.1	515.9	501.3	494.8	489.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.4*	137.5	135.7	134.3	133.1
18.9	180.5	178.1	176.4	174.8
23.4	223.6	220.6	218.6	216.4
28.0	266.9	263.2	260.7	258.3
32.5	310.0	305.7	302.8	299.9
36.7**	350.4	345.7	342.5	339.2
37.0	353.0	348.3	344.9	341.7
41.5	396.1	390.8	387.1	383.4
46.1	439.2	433.1	429.2	425.3
50.6	482.3	475.7	471.4	466.9
55.1	525.4	518.3	513.7	508.8

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle W/Conformal Tanks
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.4*	133.8	130.2	128.5	127.3
18.9	176.1	171.3	169.1	167.6
23.4	218.5	212.5	209.8	207.9
28.0	260.9	253.7	250.5	248.1
32.5	303.4	294.9	291.2	288.4
36.7**	343.4	333.8	329.5	326.3
37.0	345.9	336.2	331.9	328.7
41.5	388.4	377.5	372.6	369.0
46.1	430.9	418.8	413.3	409.3
50.6	473.4	460.1	454.1	449.6
55.1	515.9	501.3	494.8	489.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.4*	137.5	135.7	134.3	133.1
18.9	180.5	178.1	176.4	174.8
23.4	223.6	220.6	218.6	216.4
28.0	266.9	263.2	260.7	258.3
32.5	310.0	305.7	302.8	299.9
36.7**	350.4	345.7	342.5	339.2
37.0	353.0	348.3	344.9	341.7
41.5	396.1	390.8	387.1	383.4
46.1	439.2	433.1	429.2	425.3
50.6	482.3	475.7	471.4	466.9
55.1	525.4	518.3	513.7	508.8

* Minimum operating weight

** Maximum takeoff weight

F-16A Fighting Falcon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.3*	64.3	63.0	62.4	62.0
9.2	80.5	78.9	78.2	77.7
11.1	96.8	94.9	94.0	93.4
12.9	113.1	110.8	109.8	109.1
14.8	129.4	126.8	125.6	124.8
16.1**	140.6	137.7	136.5	135.5
16.6	145.7	142.8	141.5	140.5
18.5	162.1	158.8	157.3	156.3
20.4	178.4	174.8	173.2	172.0
22.2	194.8	190.8	189.0	187.8
24.1	211.1	206.8	204.9	203.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.3*	65.7	65.1	64.6	64.2
9.2	82.3	81.5	80.9	80.4
11.1	98.8	97.9	97.2	96.5
12.9	115.3	114.2	113.4	112.6
14.8	132.0	130.6	129.7	128.8
16.1**	143.2	141.8	140.8	139.9
16.6	148.5	147.0	145.9	145.0
18.5	165.0	163.4	162.2	161.2
20.4	181.5	179.7	178.5	177.3
22.2	198.1	196.1	194.8	193.5
24.1	214.7	212.5	211.1	209.6

* Minimum operating weight

** Maximum takeoff weight

F-16B Fighting Falcon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.3*	64.3	63.0	62.4	62.0
9.2	80.5	78.9	78.2	77.7
11.1	96.8	94.9	94.0	93.4
12.9	113.1	110.8	109.8	109.1
14.8	129.4	126.8	125.6	124.8
16.1**	140.6	137.7	136.5	135.5
16.6	145.7	142.8	141.5	140.5
18.5	162.1	158.8	157.3	156.3
20.4	178.4	174.8	173.2	172.0
22.2	194.8	190.8	189.0	187.8
24.1	211.1	206.8	204.9	203.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.3*	65.7	65.1	64.6	64.2
9.2	82.3	81.5	80.9	80.4
11.1	98.8	97.9	97.2	96.5
12.9	115.3	114.2	113.4	112.6
14.8	132.0	130.6	129.7	128.8
16.1**	143.2	141.8	140.8	139.9
16.6	148.5	147.0	145.9	145.0
18.5	165.0	163.4	162.2	161.2
20.4	181.5	179.7	178.5	177.3
22.2	198.1	196.1	194.8	193.5
24.1	214.7	212.5	211.1	209.6

* Minimum operating weight

** Maximum takeoff weight

F-16C Fighting Falcon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.6*	66.6	65.3	64.7	64.2
9.6	84.0	82.3	81.6	81.0
11.6	101.4	99.4	98.5	97.8
13.6	118.9	116.5	115.4	114.6
15.6	136.3	133.6	132.3	131.4
17.0**	148.9	145.9	144.6	143.6
17.6	153.8	150.7	149.3	148.3
19.5	171.2	167.8	166.2	165.1
21.5	188.7	184.9	183.1	181.9
23.5	206.2	202.0	200.1	198.8
25.5	223.7	219.1	217.1	215.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.6*	68.1	67.5	67.0	66.5
9.6	85.8	85.0	84.4	83.8
11.6	103.5	102.5	101.8	101.1
13.6	121.2	120.0	119.2	118.4
15.6	139.0	137.6	136.6	135.7
17.0**	151.7	150.2	149.1	148.2
17.6	156.6	155.0	154.0	153.0
19.5	174.2	172.5	171.4	170.2
21.5	191.9	190.0	188.8	187.5
23.5	209.7	207.6	206.1	204.7
25.5	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

F-16D Fighting Falcon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	69.0	67.6	67.0	66.5
9.9	86.1	84.4	83.6	83.1
11.8	103.3	101.2	100.3	99.6
13.8	120.5	118.0	117.0	116.2
15.7	137.6	134.9	133.6	132.7
17.0**	148.9	145.9	144.6	143.6
17.7	154.8	151.7	150.3	149.3
19.6	172.0	168.6	167.0	165.9
21.6	189.2	185.4	183.7	182.4
23.6	206.5	202.3	200.4	199.0
25.5	223.7	219.1	217.1	215.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	70.6	69.9	69.4	68.9
9.9	88.0	87.2	86.5	85.9
11.8	105.4	104.3	103.6	102.9
13.8	122.8	121.6	120.8	119.9
15.7	140.3	138.9	137.9	137.0
17.0**	151.7	150.2	149.1	148.2
17.7	157.7	156.1	155.0	154.0
19.6	175.1	173.3	172.1	171.0
21.6	192.5	190.5	189.3	188.0
23.6	210.0	207.8	206.4	205.0
25.5	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

F-22 Raptor
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.3*	186.6	179.7	176.6	174.4
24.4	224.6	216.2	212.5	209.8
28.5	262.6	252.8	248.4	245.3
32.6	300.7	289.4	284.4	280.7
36.8	338.7	326.0	320.3	316.2
38.2**	352.1	338.9	332.9	328.6
40.9	376.9	362.6	356.3	351.6
45.0	415.0	399.3	392.3	387.1
49.1	453.2	436.0	428.3	422.6
53.2	491.2	472.6	464.3	458.0
57.3	529.3	509.3	500.3	493.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.3*	193.3	189.8	187.2	185.0
24.4	232.3	228.0	224.9	222.0
28.5	271.2	266.2	262.7	259.5
32.6	310.2	304.4	300.4	296.6
36.8	349.2	342.6	338.1	333.9
38.2**	362.8	356.0	351.3	347.0
40.9	388.1	380.8	375.8	371.2
45.0	427.0	419.1	413.6	408.9
49.1	466.0	457.3	451.3	446.1
53.2	504.9	495.4	488.9	483.0
57.3	543.8	533.6	526.7	520.6

* Minimum operating weight

** Maximum takeoff weight

F-35A Joint Strike Fighter CTOL

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	123.0	119.9	118.6	117.6
16.8	157.4	153.6	151.8	150.5
20.5	192.0	187.2	185.0	183.5
24.2	226.6	220.9	218.3	216.5
27.9	261.2	254.6	251.6	249.5
30.8**	289.1	281.8	278.5	276.1
31.5	295.8	288.3	284.9	282.5
35.2	330.4	322.0	318.2	315.5
38.9	365.1	355.7	351.5	348.5
42.6	399.8	389.5	384.9	381.5
46.2	434.4	423.2	418.2	414.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	126.0	124.5	123.4	122.4
16.8	161.1	159.1	157.7	156.5
20.5	196.2	193.7	192.1	190.5
24.2	231.3	228.6	226.5	224.4
27.9	266.4	263.1	260.9	258.7
30.8**	294.7	291.1	288.6	286.0
31.5	301.5	297.8	295.2	292.6
35.2	336.5	332.5	329.6	326.7
38.9	371.6	367.2	364.0	360.8
42.6	406.7	401.9	398.4	394.9
46.2	441.8	436.4	432.7	429.1

* Minimum operating weight

** Maximum takeoff weight

F-35B Joint Strike Fighter STOVL

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.6*	130.8	129.0	128.1	127.5
17.7	157.9	155.6	154.6	153.8
20.7	185.0	182.3	181.1	180.2
23.7	212.1	209.0	207.6	206.6
26.7	239.2	235.7	234.1	233.0
27.9**	249.6	245.9	244.3	243.1
29.8	266.3	262.4	260.6	259.3
32.8	293.4	289.1	287.1	285.7
35.8	320.5	315.8	313.7	312.1
38.8	347.7	342.5	340.2	338.5
41.8	374.8	369.2	366.7	364.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.6*	132.6	131.6	130.9	130.4
17.7	159.9	158.7	157.9	157.3
20.7	187.2	185.8	184.9	184.1
23.7	214.5	212.9	212.0	210.9
26.7	241.8	240.1	238.9	237.7
27.9**	252.3	250.5	249.3	248.1
29.8	269.1	267.2	266.0	264.7
32.8	296.3	294.3	292.9	291.4
35.8	323.8	321.3	320.0	318.3
38.8	350.9	348.5	347.0	345.1
41.8	378.2	375.6	374.0	372.0

* Minimum operating weight

** Maximum takeoff weight

F-35C Joint Strike Fighter CV
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.0*	142.1	140.1	139.2	138.5
19.5	173.8	171.3	170.2	169.4
23.1	205.6	202.6	201.2	200.3
26.6	237.3	233.8	232.3	231.2
30.2	269.1	265.1	263.3	262.1
31.9**	285.0	280.8	278.9	277.5
33.7	300.8	296.4	294.4	292.9
37.3	332.6	327.6	325.4	323.8
40.8	364.4	358.9	356.5	354.7
44.3	396.2	390.2	387.6	385.6
47.9	427.9	421.5	418.6	416.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.0*	144.0	142.9	142.2	141.6
19.5	176.0	174.6	173.9	173.1
23.1	207.9	206.5	205.4	204.4
26.6	240.0	238.2	237.0	235.9
30.2	271.8	270.0	268.8	267.5
31.9**	287.9	285.9	284.5	283.1
33.7	303.9	301.6	300.4	298.7
37.3	335.8	333.4	332.0	330.2
40.8	367.7	365.2	363.6	361.7
44.3	399.7	396.9	395.2	393.1
47.9	431.7	428.7	426.8	424.8

* Minimum operating weight

** Maximum takeoff weight

F-111D-F
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.0*	207.4	211.1	212.7	213.9
28.9	249.4	253.9	255.9	257.3
33.8	291.4	296.7	299.0	300.7
38.7	333.4	339.5	342.2	344.1
43.6	375.4	382.3	385.3	387.5
45.4**	390.5	397.7	400.9	403.2
48.5	417.3	425.1	428.5	431.0
53.4	459.3	467.8	471.6	474.4
58.3	501.3	510.6	514.7	517.9
63.2	543.3	553.4	557.8	561.3
68.0	585.3	596.1	600.9	604.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
24.0*	205.4	207.1	208.2	209.4
28.9	247.4	249.3	250.5	251.9
33.8	289.1	291.6	292.9	294.4
38.7	331.0	333.5	335.3	337.2
43.6	372.8	375.7	377.7	379.7
45.4**	387.9	391.0	393.0	395.5
48.5	414.7	418.0	420.1	422.5
53.4	456.5	460.0	462.4	464.8
58.3	498.4	502.4	504.8	507.5
63.2	540.2	544.3	547.2	550.2
68.0	582.0	586.7	589.5	592.9

* Minimum operating weight

** Maximum takeoff weight

F-117A Nighthawk
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.9*	126.2	122.4	120.6	119.4
16.3	148.3	143.7	141.7	140.2
18.8	170.3	165.1	162.7	161.0
21.2	192.4	186.5	183.8	181.9
23.6	214.5	207.9	204.9	202.8
23.8**	216.4	209.7	206.6	204.5
26.0	236.7	229.3	226.0	223.6
28.5	258.8	250.7	247.1	244.5
30.9	281.0	272.2	268.2	265.4
33.3	303.1	293.6	289.4	286.3
35.7	325.3	315.1	310.5	307.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.9*	130.3	128.3	126.8	125.5
16.3	152.9	150.5	148.8	147.3
18.8	175.4	172.7	170.8	169.1
21.2	197.9	194.9	192.8	190.8
23.6	220.5	217.1	214.8	212.5
23.8**	222.3	219.0	216.6	214.4
26.0	243.0	239.3	236.7	234.1
28.5	265.6	261.5	258.7	256.0
30.9	288.2	283.7	280.6	277.6
33.3	310.8	305.9	302.6	299.4
35.7	333.3	328.1	324.6	321.1

* Minimum operating weight

** Maximum takeoff weight

FA-18F
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.6*	109.4	110.4	110.8	111.1
17.1	137.3	138.5	139.1	139.5
20.6	165.2	166.7	167.4	167.9
24.0	193.1	194.9	195.7	196.2
27.5	221.0	223.0	223.9	224.6
29.9**	240.4	242.6	243.6	244.3
31.0	248.9	251.2	252.2	253.0
34.5	276.7	279.3	280.5	281.3
38.0	304.6	307.5	308.7	309.7
41.4	332.5	335.6	337.0	338.0
44.9	360.3	363.7	365.3	366.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.6*	108.6	109.1	109.4	109.7
17.1	136.4	137.1	137.4	137.8
20.6	164.3	164.9	165.4	166.0
24.0	192.0	192.9	193.4	194.0
27.5	219.8	220.8	221.4	222.0
29.9**	239.2	240.2	240.8	241.6
31.0	247.7	248.7	249.4	250.2
34.5	275.5	276.7	277.3	278.4
38.0	303.3	304.4	305.3	306.2
41.4	331.0	332.3	333.3	334.4
44.9	358.8	360.2	361.3	362.5

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-100
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
40.8*	76.2	94.2	108.2	133.4
43.8	85.8	102.5	118.7	149.4
45.4	89.2	106.7	124.0	158.0
46.9	92.6	111.0	129.5	166.9
49.9	99.4	119.6	141.7	184.7
52.9**	106.3	128.5	154.4	202.5
55.9	113.4	137.6	167.6	220.8
59.0	120.5	149.5	181.5	239.7
62.0	127.7	159.6	196.8	258.9
65.0	135.0	169.9	212.7	278.7
68.0	142.4	181.3	229.9	298.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
40.8*	87.1	96.3	108.1	125.8
43.8	94.7	105.8	119.8	139.7
45.4	98.5	110.8	125.8	146.8
46.9	102.4	115.8	132.1	154.0
49.9	110.5	126.3	144.9	168.7
52.9**	118.9	137.3	158.2	183.7
55.9	127.5	149.0	172.0	199.2
59.0	136.4	161.0	186.2	214.4
62.0	145.7	173.6	200.8	230.5
65.0	155.5	186.6	215.7	246.6
68.0	165.6	200.1	230.9	263.0

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-150
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.5*	141.8	167.1	207.1	270.2
67.8	152.9	184.3	230.8	298.7
68.0	153.6	185.4	232.2	300.4
72.1	164.3	202.3	256.0	327.9
76.4	176.0	221.0	281.4	357.4
80.6**	188.0	240.3	307.3	387.3
84.9	200.2	260.7	333.8	417.8
89.2	212.8	282.2	361.1	448.7
93.5	225.7	306.0	388.9	480.0
97.8	242.5	331.2	417.4	512.6
102.1	257.4	356.7	446.5	545.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.5*	161.6	189.7	216.1	244.8
67.8	176.7	209.1	237.9	268.1
68.0	177.6	210.3	239.2	269.5
72.1	192.6	229.4	260.2	292.0
76.4	209.4	250.2	283.1	316.3
80.6**	226.9	271.7	306.3	340.7
84.9	245.3	293.9	330.0	365.6
89.2	264.5	316.7	354.1	391.0
93.5	284.2	339.7	378.6	416.3
97.8	304.8	363.3	403.5	442.5
102.1	326.1	387.4	428.6	468.5

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.2*	209.9	258.0	326.8	414.6
90.7	225.1	279.0	355.5	447.2
91.7	228.3	283.7	362.0	454.5
97.3	246.5	311.5	398.3	495.6
102.8	265.2	341.4	435.6	538.2
108.4**	284.6	374.4	473.5	581.5
113.9	304.6	408.5	511.9	625.3
119.4	325.3	443.3	550.9	669.7
125.0	348.3	478.6	590.6	714.1
130.5	372.9	514.7	630.9	757.7
136.1	398.3	551.5	671.7	801.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.2*	254.4	300.1	334.9	370.0
90.7	274.5	323.8	360.3	396.5
91.7	279.1	329.1	365.9	402.4
97.3	304.8	359.0	397.5	435.3
102.8	331.8	389.6	429.6	469.1
108.4**	359.5	420.8	462.4	503.5
113.9	388.3	452.6	495.4	538.8
119.4	417.8	485.2	529.1	574.4
125.0	448.1	518.0	563.4	611.0
130.5	479.2	551.3	598.1	647.8
136.1	510.9	585.3	633.0	685.4

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-300
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
131.5*	332.8	405.1	518.2	671.4
136.1	346.6	426.9	549.4	707.6
139.6	357.5	444.2	573.9	735.0
147.7	383.1	485.9	630.8	797.8
155.7	409.4	533.0	689.0	860.9
163.8**	436.6	582.0	749.5	924.4
171.9	474.4	635.0	811.3	988.2
179.9	506.8	689.9	874.4	1052.5
188.0	540.2	746.1	938.7	1117.5
196.1	575.4	803.1	1003.1	1183.5
204.1	613.1	861.0	1066.8	1250.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
131.5*	425.7	495.6	544.6	596.9
136.1	448.0	520.4	570.8	625.2
139.6	465.6	540.0	591.6	647.5
147.7	506.8	585.5	639.3	699.1
155.7	549.5	632.0	688.1	751.9
163.8**	592.8	679.4	737.8	806.5
171.9	637.6	727.5	788.7	862.1
179.9	683.3	776.4	840.2	919.4
188.0	729.9	826.0	893.0	977.9
196.1	777.4	876.5	946.7	1037.4
204.1	825.7	927.5	1001.7	1097.9

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-400
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
181.0*	477.6	587.3	755.7	971.5
181.4	479.1	589.6	759.1	975.0
191.1	512.7	640.7	833.1	1051.3
201.2	548.9	698.9	912.5	1132.1
211.4	586.5	759.0	993.2	1214.0
221.5**	625.7	823.6	1072.6	1297.1
231.6	666.3	893.4	1152.5	1380.7
241.8	708.5	967.4	1233.0	1465.6
251.9	752.8	1044.1	1313.9	1551.8
262.0	801.6	1122.2	1394.8	1639.7
272.2	852.1	1201.7	1476.0	1728.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
181.0*	634.0	725.4	791.1	872.9
181.4	636.4	728.0	793.9	875.9
191.1	687.5	783.7	853.6	943.0
201.2	742.4	843.2	918.0	1014.9
211.4	798.6	903.8	983.9	1088.5
221.5**	855.8	965.9	1051.4	1165.2
231.6	914.1	1029.2	1120.3	1241.6
241.8	973.7	1093.9	1190.5	1321.2
251.9	1033.9	1159.7	1262.2	1402.4
262.0	1095.5	1226.7	1335.9	1485.1
272.2	1158.1	1294.8	1411.3	1569.6

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.1*	18.1	18.6	19.1	21.0
4.4	19.4	19.9	20.6	22.9
4.5	20.0	20.6	21.5	23.8
4.7	20.6	21.2	22.3	24.8
5.0	21.8	22.5	24.0	26.7
5.3**	23.0	23.8	25.7	28.9
5.6	24.2	25.0	27.4	31.1
5.9	25.4	26.6	29.2	33.4
6.2	26.6	28.1	31.0	35.7
6.5	27.8	29.7	32.8	38.0
6.8	28.9	31.3	34.6	40.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.1*	18.4	19.7	20.8	22.2
4.4	20.1	21.5	22.8	24.3
4.5	20.9	22.5	23.8	25.3
4.7	21.8	23.4	24.8	26.4
5.0	23.5	25.4	26.9	28.6
5.3**	25.3	27.3	28.9	30.7
5.6	27.2	29.3	31.0	32.9
5.9	29.0	31.3	33.2	35.2
6.2	31.0	33.4	35.3	37.4
6.5	32.9	35.5	37.5	39.7
6.8	34.8	37.6	39.7	42.0

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-20
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.6*	35.7	41.3	46.9	56.1
9.1	37.8	43.9	50.3	60.4
9.2	38.3	44.5	51.1	61.4
9.7	40.9	47.8	55.3	66.6
10.3	43.6	51.1	59.6	71.8
10.8**	46.3	54.4	64.1	77.1
11.4	49.1	58.4	68.6	82.3
11.9	51.9	62.4	73.5	87.5
12.5	54.8	66.5	78.9	92.8
13.1	57.7	70.7	84.2	98.0
13.6	60.7	74.9	89.5	103.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.6*	47.0	50.6	53.2	55.9
9.1	50.2	54.0	56.6	59.5
9.2	50.9	54.7	57.4	60.3
9.7	54.9	58.8	61.7	64.7
10.3	58.9	63.0	66.0	69.1
10.8**	62.9	67.3	70.4	73.6
11.4	67.0	71.6	74.8	78.1
11.9	71.2	76.0	79.2	82.7
12.5	75.4	80.3	83.7	87.2
13.1	79.6	84.7	88.2	91.8
13.6	83.9	89.1	92.7	96.4

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-30
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	59.9	72.2	85.5	99.2
13.6	62.3	75.7	89.9	103.5
14.0	64.3	78.4	93.3	106.9
14.8	68.8	84.8	101.1	114.5
15.6	73.4	91.5	108.9	122.2
16.4**	78.1	98.2	116.6	129.8
17.2	83.5	106.2	124.4	137.4
18.0	89.3	114.2	132.2	145.0
18.8	95.3	122.2	139.9	152.6
19.6	101.4	130.2	147.7	160.2
20.4	107.6	138.1	155.5	167.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	82.2	86.9	90.3	93.7
13.6	85.8	90.7	94.0	97.6
14.0	88.5	93.5	96.9	100.6
14.8	94.9	100.1	103.7	107.5
15.6	101.5	106.8	110.5	114.4
16.4**	108.0	113.6	117.4	121.4
17.2	114.6	120.3	124.3	128.5
18.0	121.3	127.2	131.3	135.7
18.8	128.0	134.1	138.3	142.9
19.6	134.9	141.0	145.3	150.1
20.4	141.8	148.1	152.4	157.4

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-45
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.0*	90.3	107.1	125.1	146.4
20.4	92.7	110.4	129.3	150.7
21.1	96.6	115.8	136.3	157.5
22.3	103.2	124.7	147.6	168.6
23.5	110.3	133.7	158.9	179.7
24.7**	117.6	143.0	170.2	190.9
25.9	125.0	153.6	181.6	202.1
27.1	132.6	164.9	192.9	213.3
28.2	140.3	176.3	204.2	224.5
29.4	148.3	187.9	215.6	235.7
30.6	156.8	199.4	227.0	247.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.0*	124.6	132.0	137.0	142.4
20.4	128.1	135.6	140.8	146.2
21.1	133.9	141.5	146.8	152.4
22.3	143.2	151.2	156.6	162.5
23.5	152.7	161.0	166.6	172.7
24.7**	162.3	170.8	176.6	183.0
25.9	172.0	180.8	186.7	193.4
27.1	181.8	190.8	196.9	203.8
28.2	191.6	200.9	207.3	214.4
29.4	201.5	211.0	217.6	225.1
30.6	211.5	221.3	228.0	235.9

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-50
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
22.2*	61.6	87.6	104.3	128.1
22.7	63.0	89.7	106.9	131.7
23.5	65.5	93.7	111.8	139.1
24.8	69.5	99.9	120.5	150.8
26.2	73.5	106.3	129.9	162.7
27.5**	77.7	112.9	139.4	174.6
28.8	81.9	119.5	149.0	186.5
30.1	86.2	126.3	159.0	198.4
31.4	90.6	133.3	169.2	210.3
32.7	95.0	141.3	180.0	222.2
34.0	99.6	150.2	191.7	234.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
22.2*	93.8	108.1	117.8	127.4
22.7	96.4	111.0	120.8	130.6
23.5	101.4	116.5	126.6	136.7
24.8	109.2	125.0	135.6	146.0
26.2	117.0	133.5	144.6	155.4
27.5**	125.0	142.2	153.7	164.9
28.8	133.0	151.0	162.9	174.5
30.1	141.3	159.9	172.1	184.2
31.4	149.6	168.8	181.5	193.9
32.7	157.9	177.8	190.9	203.9
34.0	166.4	186.9	200.4	213.6

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-60
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
26.8*	129.1	148.3	171.0	198.9
27.2	131.7	151.5	175.3	203.3
28.3	138.0	159.5	186.2	213.9
29.9	147.6	170.9	201.5	228.8
31.4	157.3	184.5	216.9	243.8
33.0**	167.3	198.2	232.2	258.7
34.6	177.6	212.1	247.6	273.5
36.1	188.0	226.4	262.9	288.4
37.7	198.7	241.4	278.3	303.3
39.3	209.5	257.3	293.6	318.2
40.8	220.6	273.2	309.0	333.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
26.8*	177.5	185.7	191.6	198.2
27.2	181.2	189.5	195.5	202.2
28.3	190.2	198.9	205.0	212.0
29.9	203.1	212.1	218.5	225.8
31.4	216.1	225.3	232.1	240.0
33.0**	229.2	238.8	245.8	254.2
34.6	242.5	252.3	259.7	268.6
36.1	255.8	266.0	273.6	282.8
37.7	269.3	279.9	287.7	297.4
39.3	282.9	293.7	302.0	312.2
40.8	296.6	307.8	316.3	327.1

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-75
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.6*	126.8	158.8	186.3	226.4
34.0	128.8	161.5	189.9	230.6
35.5	135.3	170.3	202.0	244.5
37.4	143.8	182.1	218.5	262.5
39.4	152.8	194.2	235.5	280.3
41.3**	162.0	207.4	253.9	298.2
43.3	171.4	222.4	272.5	316.1
45.2	181.1	237.6	291.0	334.0
47.1	191.0	253.0	309.5	351.9
49.1	201.1	268.9	328.0	369.8
51.0	211.5	285.3	346.4	387.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.6*	182.6	199.1	210.1	221.1
34.0	185.8	202.4	213.5	224.7
35.5	196.2	213.4	224.9	236.5
37.4	209.9	227.8	239.8	252.1
39.4	223.8	242.4	254.9	267.9
41.3**	237.9	257.2	270.2	283.8
43.3	252.2	272.2	285.5	299.4
45.2	266.5	287.2	301.0	315.4
47.1	281.0	302.3	316.6	331.7
49.1	295.7	317.6	332.4	348.0
51.0	310.5	333.0	348.2	364.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-100
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
40.8*	175.2	205.3	233.4	278.4
43.8	189.9	224.7	259.3	306.5
45.4	197.4	234.7	272.5	320.7
46.9	204.9	244.9	285.9	334.8
49.9	220.9	265.6	313.2	363.1
52.9**	237.6	287.1	341.9	391.4
55.9	254.6	309.9	371.3	420.2
59.0	272.1	336.4	400.1	449.2
62.0	290.1	363.3	429.0	478.2
65.0	309.0	391.0	457.8	507.2
68.0	328.5	419.7	486.6	536.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
40.8*	243.3	259.7	271.1	283.3
43.8	265.8	283.3	295.2	308.0
45.4	277.4	295.2	307.5	320.6
46.9	288.7	307.1	319.8	333.4
49.9	312.0	331.2	344.6	359.1
52.9**	335.8	355.7	369.7	385.3
55.9	359.6	380.5	395.0	411.9
59.0	383.7	405.5	420.5	438.7
62.0	408.2	430.7	446.7	465.2
65.0	432.9	456.2	473.0	492.7
68.0	457.8	482.0	499.4	520.3

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-150
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.5*	284.4	319.0	362.5	414.6
67.8	305.7	346.3	395.0	453.2
68.0	307.0	348.0	396.9	455.5
72.1	327.4	375.5	428.0	494.2
76.4	349.5	405.4	461.5	536.0
80.6**	372.0	436.1	497.4	577.9
84.9	394.9	467.7	534.5	619.3
89.2	418.3	500.6	572.4	660.0
93.5	442.0	533.5	611.2	700.6
97.8	466.4	566.7	652.9	741.2
102.1	493.7	600.3	695.1	781.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
63.5*	387.7	411.5	428.8	448.9
67.8	420.1	445.4	464.1	485.8
68.0	422.0	447.4	466.1	488.0
72.1	452.9	479.7	499.5	523.3
76.4	486.3	514.5	535.6	561.3
80.6**	520.0	549.7	572.3	599.9
84.9	554.4	585.5	609.1	638.9
89.2	588.8	621.8	646.6	678.4
93.5	623.8	658.0	684.6	718.3
97.8	659.2	695.0	723.0	759.0
102.1	695.1	732.3	761.9	799.6

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.2*	418.4	461.7	508.5	580.6
90.7	443.3	492.2	544.2	622.4
91.7	448.9	499.1	552.1	631.6
97.3	480.0	537.0	597.1	683.5
102.8	511.8	575.5	643.4	736.1
108.4**	544.2	614.7	690.5	789.1
113.9	577.5	655.8	738.7	842.0
119.4	612.0	699.6	790.9	894.9
125.0	647.2	743.9	843.4	948.0
130.5	683.2	789.3	896.2	1001.3
136.1	720.0	835.8	950.0	1054.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
86.2*	566.1	594.3	616.5	645.6
90.7	602.4	632.1	656.0	687.2
91.7	610.6	640.6	664.9	696.5
97.3	655.9	687.9	714.0	748.4
102.8	701.9	735.7	763.8	800.8
108.4**	748.0	784.3	814.5	854.6
113.9	795.0	833.8	865.8	908.9
119.4	842.6	883.6	918.0	964.2
125.0	890.8	933.8	970.9	1020.1
130.5	939.7	985.0	1024.4	1076.3
136.1	988.7	1036.8	1078.1	1134.5

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-3
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.3*	10.6	10.9	11.0	11.2
1.4	11.0	11.2	11.4	11.6
1.4	11.2	11.4	11.6	11.8
1.5	11.7	12.0	12.2	12.4
1.6	12.3	12.6	12.8	13.1
1.6**	12.8	13.1	13.4	13.7
1.7	13.3	13.7	14.0	14.3
1.8	13.8	14.2	14.5	14.8
1.9	14.3	14.7	15.1	15.4
2.0	14.8	15.3	15.6	16.2
2.0	15.3	15.8	16.2	16.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.3*	8.1	8.3	8.4	8.6
1.4	8.3	8.5	8.7	8.8
1.4	8.5	8.7	8.9	9.0
1.5	8.9	9.1	9.3	9.5
1.6	9.2	9.5	9.7	9.9
1.6**	9.6	9.9	10.1	10.3
1.7	10.0	10.2	10.4	10.7
1.8	10.3	10.6	10.8	11.1
1.9	10.6	11.0	11.2	11.5
2.0	11.0	11.3	11.6	11.9
2.0	11.3	11.7	12.0	12.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-5
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	16.4	17.0	17.4	18.6
2.3	16.6	17.2	17.7	19.0
2.4	17.1	17.8	18.3	19.8
2.5	17.9	18.6	19.1	20.9
2.6	18.6	19.3	20.0	22.1
2.7**	19.3	20.1	21.1	23.2
2.9	20.0	20.9	22.3	24.3
3.0	20.6	21.6	23.4	25.5
3.1	21.3	22.3	24.5	26.6
3.3	21.9	23.0	25.5	27.7
3.4	22.5	23.7	26.6	28.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	12.1	12.5	12.8	13.2
2.3	12.2	12.7	13.0	13.4
2.4	12.6	13.0	13.4	14.0
2.5	13.1	13.6	14.0	14.9
2.6	13.6	14.1	14.8	15.8
2.7**	14.1	14.6	15.6	16.7
2.9	14.6	15.4	16.5	17.7
3.0	15.0	16.2	17.3	18.6
3.1	15.5	17.0	18.2	19.5
3.3	16.1	17.8	19.1	20.4
3.4	16.9	18.6	19.9	21.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	27.3	31.4	35.4	38.1
4.5	27.5	31.7	35.8	38.5
4.7	28.3	33.3	37.5	40.3
5.0	29.3	35.2	39.5	42.5
5.3	30.2	37.1	41.5	44.6
5.5**	31.1	38.9	43.6	46.8
5.8	32.0	40.8	45.6	48.9
6.0	32.8	42.6	47.6	51.1
6.3	33.6	44.5	49.6	53.2
6.5	34.4	46.3	51.6	55.4
6.8	35.1	48.1	53.6	57.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	22.9	25.3	27.1	29.0
4.5	23.1	25.6	27.4	29.3
4.7	24.3	26.9	28.9	30.8
5.0	25.7	28.5	30.6	32.6
5.3	27.2	30.2	32.3	34.4
5.5**	28.6	31.8	34.0	36.3
5.8	30.1	33.4	35.7	38.1
6.0	31.5	35.0	37.4	39.9
6.3	32.9	36.6	39.2	41.7
6.5	34.4	38.2	40.9	43.5
6.8	35.8	39.9	42.6	45.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-12.5

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.2*	33.4	40.0	43.3	45.6
5.6	35.0	42.8	46.3	48.7
5.7	35.3	43.5	47.0	49.5
5.9	36.7	45.7	49.3	51.9
6.3	39.1	48.5	52.4	55.1
6.7**	41.6	51.3	55.4	58.2
7.0	44.0	54.1	58.4	61.4
7.4	46.4	56.9	61.4	64.5
7.8	48.8	59.7	64.4	67.7
8.1	51.1	62.5	67.4	70.8
8.5	53.4	65.2	70.3	74.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.2*	31.3	33.7	35.4	37.1
5.6	33.6	36.2	38.0	39.9
5.7	34.2	36.8	38.7	40.6
5.9	36.0	38.7	40.7	42.6
6.3	38.3	41.2	43.3	45.4
6.7**	40.6	43.8	45.9	48.1
7.0	43.0	46.3	48.5	50.8
7.4	45.3	48.8	51.2	53.5
7.8	47.6	51.3	53.8	56.3
8.1	50.0	53.8	56.4	59.1
8.5	52.3	56.4	59.1	61.8

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-15
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.4*	33.8	44.9	50.1	53.7
6.8	35.1	47.9	53.4	57.3
6.8	35.1	48.1	53.6	57.5
7.2	36.5	50.9	56.8	60.9
7.6	39.0	54.0	60.1	64.5
8.1**	41.4	57.0	63.4	68.0
8.5	43.8	59.9	66.7	71.6
8.9	46.1	62.9	70.0	75.1
9.3	48.4	65.9	73.3	78.7
9.8	50.7	68.8	76.6	82.2
10.2	52.9	71.8	79.9	85.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.4*	33.3	37.0	39.6	42.2
6.8	35.7	39.7	42.4	45.2
6.8	35.9	39.9	42.6	45.4
7.2	38.1	42.4	45.3	48.2
7.6	40.6	45.1	48.1	51.2
8.1**	43.0	47.8	51.0	54.2
8.5	45.5	50.5	53.9	57.3
8.9	47.9	53.2	56.7	60.3
9.3	50.3	55.9	59.6	63.3
9.8	52.8	58.6	62.5	66.3
10.2	55.2	61.3	65.3	69.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-20
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.6*	44.5	60.8	67.7	72.7
9.1	46.9	64.0	71.2	76.4
9.2	47.5	64.7	72.0	77.2
9.7	50.4	68.5	76.3	81.8
10.3	53.3	72.3	80.5	86.4
10.8**	56.2	76.1	84.8	91.0
11.4	59.0	79.9	89.0	95.6
11.9	61.8	83.7	93.3	100.1
12.5	64.6	87.5	97.5	104.7
13.1	67.4	91.2	101.7	109.3
13.6	70.2	95.0	105.9	113.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
8.6*	46.2	51.2	54.7	58.0
9.1	48.7	54.1	57.7	61.2
9.2	49.3	54.7	58.4	61.9
9.7	52.5	58.2	62.1	65.8
10.3	55.6	61.8	65.8	69.7
10.8**	58.8	65.2	69.5	73.6
11.4	62.0	68.8	73.2	77.5
11.9	65.2	72.3	76.9	81.5
12.5	68.3	75.8	80.6	85.4
13.1	71.5	79.3	84.3	89.2
13.6	74.7	82.8	88.0	93.2

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-30
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	67.9	91.9	102.5	110.1
13.6	70.2	95.0	105.9	113.9
14.0	71.9	97.4	108.6	116.8
14.8	75.9	102.8	114.7	123.4
15.6	79.9	108.3	120.9	130.0
16.4**	83.8	113.7	127.0	136.5
17.2	87.7	119.1	133.1	143.1
18.0	91.6	124.5	139.1	149.6
18.8	95.4	129.9	145.2	156.1
19.6	99.3	135.2	151.3	162.7
20.4	103.1	140.6	157.4	169.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.2*	72.1	79.9	84.9	89.8
13.6	74.7	82.7	87.9	93.0
14.0	76.7	85.0	90.3	95.5
14.8	81.3	90.1	95.7	101.2
15.6	85.9	95.2	101.1	106.9
16.4**	90.5	100.3	106.5	112.6
17.2	95.2	105.4	111.9	118.4
18.0	99.8	110.5	117.3	124.1
18.8	104.5	115.6	122.7	129.8
19.6	109.1	120.7	128.1	135.5
20.4	113.7	125.8	133.6	141.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-45
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.0*	123.3	150.6	162.8	171.4
20.4	125.9	153.9	166.5	175.2
21.1	130.3	159.3	172.3	181.4
22.3	137.3	168.0	181.8	191.3
23.5	144.2	176.7	191.2	201.3
24.7**	151.2	185.3	200.7	211.3
25.9	158.1	194.0	210.1	221.2
27.1	165.0	202.7	219.5	231.2
28.2	172.0	211.3	228.9	241.1
29.4	178.8	220.0	238.3	251.1
30.6	185.7	228.6	247.7	261.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.0*	126.0	135.7	141.8	148.3
20.4	128.9	138.8	145.1	151.8
21.1	133.7	143.9	150.5	157.4
22.3	141.3	152.1	159.1	166.5
23.5	149.0	160.4	167.7	175.6
24.7**	156.6	168.6	176.4	184.8
25.9	164.4	176.9	185.0	193.9
27.1	172.1	185.2	193.7	203.1
28.2	179.7	193.4	202.5	212.3
29.4	187.4	201.7	211.2	221.6
30.6	195.1	210.0	220.0	230.9

* Minimum operating weight

** Maximum takeoff weight

**FAA SNGL WHL-60
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.4*	142.3	163.5	173.0	179.6
22.7	157.7	181.3	192.0	199.2
24.9	173.0	199.1	210.8	218.9
27.2	188.3	216.9	229.6	238.5
27.2	188.3	216.9	229.6	238.5
29.5**	203.5	234.6	248.5	258.1
31.8	218.7	252.3	267.3	277.6
34.0	233.8	270.0	286.1	297.1
36.3	249.0	287.7	304.9	316.7
38.6	264.1	305.5	323.7	336.2
40.8	279.2	323.2	342.4	355.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.4*	141.5	149.6	154.8	160.5
22.7	157.6	166.4	172.4	178.8
24.9	173.6	183.4	190.0	197.3
27.2	189.6	200.4	207.7	216.0
27.2	189.6	200.4	207.7	216.0
29.5**	205.7	217.5	225.4	234.5
31.8	221.7	234.4	243.3	253.5
34.0	237.8	251.5	261.3	272.7
36.3	253.8	268.8	279.2	291.5
38.6	269.9	286.0	297.4	310.8
40.8	286.0	303.3	315.6	330.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-75

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.6*	251.9	278.9	290.8	299.0
34.0	255.2	282.6	294.7	303.0
35.5	266.1	294.8	307.4	316.1
37.4	280.4	310.8	324.0	333.1
39.4	294.6	326.7	340.6	350.2
41.3**	308.8	342.5	357.2	367.3
43.3	323.0	358.4	373.8	384.4
45.2	337.2	374.3	390.3	401.5
47.1	351.4	390.2	406.8	418.6
49.1	365.6	406.1	423.3	435.8
51.0	379.8	422.0	439.8	453.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
33.6*	251.7	262.9	270.9	280.6
34.0	255.2	266.5	274.7	284.6
35.5	266.4	278.5	287.1	297.7
37.4	281.2	294.0	303.4	314.9
39.4	296.0	309.6	319.8	332.3
41.3**	310.8	325.2	336.2	349.7
43.3	325.8	340.9	352.7	367.2
45.2	340.5	356.7	369.3	384.8
47.1	355.3	372.5	385.9	402.5
49.1	370.2	388.4	402.5	420.6
51.0	385.2	404.3	419.4	438.8

* Minimum operating weight

** Maximum takeoff weight

FAA SWL-50
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
22.2*	420.0	430.0	434.3	437.6
22.7	428.6	438.7	443.2	446.5
23.5	444.7	455.3	459.9	463.4
24.8	469.4	480.6	485.4	489.2
26.2	494.1	505.9	511.0	515.0
27.5**	518.8	531.1	536.5	540.7
28.8	543.5	556.4	562.1	566.5
30.1	568.3	581.7	587.6	592.3
31.4	593.0	606.9	613.2	618.1
32.7	617.7	632.2	638.8	643.9
34.0	642.4	657.4	664.3	669.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
22.2*	416.9	420.9	423.7	426.6
22.7	425.4	429.6	432.4	435.2
23.5	441.5	445.9	448.7	451.5
24.8	466.1	470.7	473.7	476.7
26.2	490.7	495.4	498.7	502.0
27.5**	515.3	520.2	523.7	527.2
28.8	539.9	545.1	548.8	552.5
30.1	564.5	570.0	573.8	577.7
31.4	589.0	595.1	598.6	602.9
32.7	613.7	620.0	623.6	628.1
34.0	638.3	644.6	648.6	653.2

* Minimum operating weight

** Maximum takeoff weight

Falcon 10, DA10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	19.4	19.9	20.6	22.7
5.5	22.8	23.5	25.2	28
6.3	26.1	27.4	30	34.2
7.2	29.4	31.8	35	40.7
8.1	32.6	36.3	40.1	47.4
8.3**	33.4	37.4	41.4	49.1
9	35.8	41	46	55
9.8	39.7	45.7	52.3	62.9
10.7	43.7	50.7	58.8	70.7
11.6	47.9	55.7	65.4	78.6
12.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	20.3	21.7	22.9	24.3
5.5	25.2	27	28.5	30.2
6.3	30.3	32.5	34.3	36.3
7.2	35.6	38.3	40.3	42.5
8.1	41.1	44.1	46.4	48.8
8.3**	42.6	45.6	47.9	50.3
9	46.9	50.2	52.6	55.2
9.8	52.7	56.3	59	61.7
10.7	58.7	62.6	65.4	68.3
11.6	64.8	69	72	75
12.5	71	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-21A LEAR 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon 20 EW
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	92.8	91.5	91.0	90.6
11.2	103.9	102.4	101.8	101.3
12.4	114.9	113.3	112.6	112.1
13.5	125.9	124.2	123.5	122.9
13.8	128.1	126.4	125.6	125.0
14.7**	137.0	135.1	134.3	133.7
15.9	148.1	146.0	145.1	144.5
17.1	159.1	156.9	155.9	155.2
18.3	170.2	167.8	166.8	166.0
19.5	181.2	178.8	177.6	176.8
20.6	192.3	189.7	188.4	187.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	94.1	93.4	93.0	92.6
11.2	105.2	104.5	104.0	103.6
12.4	116.4	115.6	115.1	114.5
13.5	127.6	126.7	126.1	125.5
13.8	129.8	128.9	128.3	127.7
14.7**	138.7	137.8	137.1	136.5
15.9	149.9	148.8	148.1	147.5
17.1	161.1	159.9	159.2	158.5
18.3	172.2	170.9	170.2	169.5
19.5	183.3	182.0	181.2	180.4
20.6	194.4	193.2	192.2	191.3

* Minimum operating weight

** Maximum takeoff weight

Falcon 900, Mystere
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	41.8	51	57.5	67.3
14.5	49	60.2	68.3	82.5
16.4	56.3	69.8	79.6	99
18.3	63.8	79.8	94.1	116.1
20	70.4	88.5	106.9	130.5
20.3**	71.6	90.1	109.3	133.1
22.2	79.6	100.9	124.7	150
24.1	88	114.5	142	167.1
26.1	96.6	129.4	159.3	184.1
28	105.5	144.6	176.6	201.3
29.9	114.7	160.3	193.8	218.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	54.7	60.9	65.3	69.9
14.5	66	73.2	78.2	83.3
16.4	77.8	85.9	91.3	96.8
18.3	90	98.8	104.8	110.7
20	100.5	110	116.3	122.6
20.3**	102.5	112.1	118.5	124.8
22.2	115.3	125.6	132.4	139.1
24.1	128.4	139.3	146.6	153.7
26.1	141.7	153.3	160.9	168.2
28	155.3	167.4	175.3	183
29.9	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon DA-20
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	92.0	91.1	90.7	90.4
11.1	102.1	101.1	100.6	100.3
12.2	112.2	111.0	110.5	110.1
13.2	121.7	120.5	120.0	119.6
13.3	122.2	121.0	120.4	120.0
14.3**	132.3	131.0	130.4	129.9
15.4	142.4	141.0	140.3	139.8
16.5	152.5	150.9	150.2	149.7
17.6	162.6	160.9	160.2	159.6
18.7	172.7	170.9	170.1	169.5
19.8	182.7	180.9	180.0	179.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.0*	92.9	92.4	92.1	91.8
11.1	103.1	102.5	102.2	101.9
12.2	113.2	112.6	112.3	111.9
13.2	122.9	122.3	121.9	121.5
13.3	123.4	122.8	122.4	121.9
14.3**	133.5	132.9	132.4	132.0
15.4	143.7	143.0	142.4	142.0
16.5	153.9	153.0	152.5	152.1
17.6	164.0	163.1	162.6	162.1
18.7	174.1	173.2	172.6	172.1
19.8	184.2	183.3	182.7	182.1

* Minimum operating weight

** Maximum takeoff weight

Fokker 27 Friendship, FA27
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	32.1	41.6	48.7	56.8
13.9	35.1	49.6	58.4	69.2
16	40	57.8	68.9	82.1
18	45.7	66.3	80.1	96.2
20	51.3	75.1	91.8	112.7
20.2**	51.7	75.7	92.6	113.8
22.1	57.1	84.8	104	130.1
24.1	63	95	116.7	148
26.2	69	105.6	131.4	166.1
28.2	75.2	116.6	147.7	184.2
30.2	81.7	128.1	164.8	202.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	38.8	46	51.4	57.1
13.9	48.3	57	63.3	69.8
16	58.3	68.5	75.7	82.9
18	68.9	80.3	88.4	96.2
20	79.8	92.7	101.3	109.9
20.2**	80.5	93.4	102.2	110.7
22.1	91.2	105.2	114.6	123.8
24.1	102.9	118.1	128.1	137.8
26.2	114.9	131.2	141.8	152.1
28.2	127.2	144.5	155.7	166.5
30.2	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 28 Fellowship, FK28

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.2*	83.2	90.8	96.3	103.6
25.1	98.6	108.4	115.9	125.6
29	114.1	126.4	136	150.2
32.9	129.7	144.9	156.8	176.3
36.8	145.6	163.9	178.3	203.6
37.5**	148.7	167.5	182.5	208.9
40.7	161.8	183.3	201.5	231.9
44.6	178.2	203.2	226.3	261.4
48.5	194.8	223.7	252.2	293
52.4	211.8	244.6	278.9	325.2
56.3	229.2	267.3	306.5	357.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
21.2*	95.1	103.5	109.9	116.8
25.1	116.7	127	134.7	142.8
29	139.2	151.5	160.3	169.5
32.9	162.7	176.7	186.6	196.8
36.8	186.9	202.6	213.5	224.6
37.5**	191.6	207.6	218.7	229.9
40.7	211.8	229	240.9	253
44.6	237.3	256	268.9	282
48.5	263.3	283.5	297.2	310.9
52.4	289.9	311.4	326	340.4
56.3	317	339.8	355.1	370.3

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE 146-100 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 50, FK60
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	32.1	41.6	48.7	56.8
13.9	35.1	49.6	58.4	69.2
16	40	57.8	68.9	82.1
18	45.7	66.3	80.1	96.2
20	51.3	75.1	91.8	112.7
20.2**	51.7	75.7	92.6	113.8
22.1	57.1	84.8	104	130.1
24.1	63	95	116.7	148
26.2	69	105.6	131.4	166.1
28.2	75.2	116.6	147.7	184.2
30.2	81.7	128.1	164.8	202.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
11.9*	38.8	46	51.4	57.1
13.9	48.3	57	63.3	69.8
16	58.3	68.5	75.7	82.9
18	68.9	80.3	88.4	96.2
20	79.8	92.7	101.3	109.9
20.2**	80.5	93.4	102.2	110.7
22.1	91.2	105.2	114.6	123.8
24.1	102.9	118.1	128.1	137.8
26.2	114.9	131.2	141.8	152.1
28.2	127.2	144.5	155.7	166.5
30.2	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 100, FK10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
23.3*	91.5	100.2	106.8	115.4
28.1	110.4	122.2	131.3	144.3
32.8	129.7	144.8	156.7	176.2
37.6	149.2	168.1	183.2	209.8
42.4	169.1	192.2	212.5	245
44.2**	176.8	201.5	224.2	258.7
47.2	189.4	217	243.7	282.8
52	210.2	242.6	276.3	322.1
56.8	231.5	270.4	310.2	362.1
61.6	253.3	299.8	345.3	405.3
66.3	275.6	330.6	384.8	450.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
23.3*	106.6	116.1	123.2	130.7
28.1	133.9	145.7	154.3	163.2
32.8	162.6	176.6	186.5	196.7
37.6	192.4	208.4	219.5	230.8
42.4	223.2	241.1	253.4	266
44.2**	235.1	253.6	266.5	279.5
47.2	254.8	274.6	288	301.8
52	287.3	308.7	323.2	337.6
56.8	320.6	343.6	359	374.3
61.6	354.5	378.9	395.2	411.7
66.3	389	414.8	431.9	448.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE146-200 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Guardian, HU25
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10*	92	91.1	90.7	90.4
11.1	102.1	101.1	100.6	100.3
12.2	112.2	111	110.5	110.1
13.2	121.7	120.5	120	119.6
13.3	122.2	121	120.4	120
14.3**	132.3	131	130.4	129.9
15.4	142.4	141	140.3	139.8
16.5	152.5	150.9	150.2	149.7
17.6	162.6	160.9	160.2	159.6
18.7	172.7	170.9	170.1	169.5
19.8	182.7	180.9	180	179.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10*	92.9	92.4	92.1	91.8
11.1	103.1	102.5	102.2	101.9
12.2	113.2	112.6	112.3	111.9
13.2	122.9	122.3	121.9	121.5
13.3	123.4	122.8	122.4	121.9
14.3**	133.5	132.9	132.4	132
15.4	143.7	143	142.4	142
16.5	153.9	153	152.5	152.1
17.6	164	163.1	162.6	162.1
18.7	174.1	173.2	172.6	172.1
19.8	184.2	183.3	182.7	182.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from FALCON DA-20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Harrier GR MK3
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.7*	26.5	27.9	30.8	34.2
7.0	31.2	34.9	38.8	43.3
8.2	35.6	42.1	47.1	53.0
9.5	41.2	49.6	55.7	63.0
10.8	47.0	57.2	64.7	76.6
11.5**	50.0	61.4	69.5	83.5
12.1	52.9	65.2	74.0	89.7
13.4	59.2	73.4	83.6	103.9
14.6	65.6	81.8	93.6	118.5
15.9	72.1	90.6	108.7	133.0
17.2	78.9	99.6	121.8	147.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.7*	27.1	30.1	32.6	35.4
7.0	35.1	39.2	42.3	45.8
8.2	43.6	48.7	52.4	56.3
9.5	52.6	58.6	62.9	67.2
10.8	62.0	68.9	73.6	78.2
11.5**	67.1	74.4	79.3	84.0
12.1	71.8	79.4	84.5	89.4
13.4	81.9	90.2	95.5	100.5
14.6	92.2	101.1	106.7	111.9
15.9	102.8	112.2	118.1	123.4
17.2	113.5	123.4	129.5	134.9

* Minimum operating weight

** Maximum takeoff weight

Harrier GR MK7-GR MK10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.4*	36.0	39.9	43.2	47.6
9.0	44.1	49.5	54.1	60.0
10.6	52.2	59.5	65.4	73.1
12.2	60.7	69.9	77.3	92.0
13.8	69.5	80.7	89.8	109.8
14.5**	73.6	85.7	95.6	118.2
15.4	78.5	91.9	102.7	128.2
17.0	87.8	103.5	122.0	146.4
18.6	97.4	115.5	139.0	164.7
20.2	107.3	128.0	157.5	183.1
21.8	117.5	140.8	176.3	201.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.4*	42.7	46.4	49.3	52.4
9.0	54.5	59.2	62.6	66.1
10.6	67.0	72.5	76.4	80.2
12.2	79.9	86.3	90.5	94.5
13.8	93.3	100.3	104.9	109.0
14.5**	99.6	106.8	111.5	115.7
15.4	107.1	114.7	119.4	123.7
17.0	121.2	129.2	134.1	138.5
18.6	135.6	144.0	149.0	153.5
20.2	150.2	158.9	164.0	168.5
21.8	165.1	174.0	179.2	183.7

* Minimum operating weight

** Maximum takeoff weight

HC-130P/N Combat Tanker/Combat Shadow

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	146.9	162.1	169.9	177.6
46.7	181.2	200.6	211.2	222.5
55.7	215.3	239.4	253.0	269.1
64.8	249.3	278.5	295.6	317.6
73.8	283.3	317.9	339.1	367.7
79.4**	304.1	342.2	366.3	399.3
82.9	317.3	357.7	383.7	419.6
91.9	351.4	398.0	429.6	473.4
101.0	385.7	438.9	476.5	529.1
110.0	420.1	480.5	524.7	586.8
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	143.3	154.5	164.0	175.4
46.7	181.6	197.2	210.2	225.0
55.7	221.4	242.0	258.4	277.2
64.8	262.9	288.6	308.5	330.8
73.8	306.0	336.8	360.4	386.6
79.4**	333.4	367.1	392.9	421.0
82.9	350.6	386.6	413.7	442.5
91.9	396.7	437.8	468.4	500.8
101.0	444.0	490.4	524.1	560.0
110.0	492.7	544.1	581.3	620.4
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

Hercules C MK1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.6*	138.4	151.6	158.2	164.7
44.0	174.9	192.2	201.6	211.3
53.3	211.2	233.0	245.2	259.6
62.7	247.4	274.2	289.7	309.9
72.1	283.5	315.6	335.2	362.0
79.3**	311.3	347.7	371.0	403.3
81.5	319.6	357.4	381.8	415.9
90.8	355.9	399.7	429.7	471.9
100.2	392.3	442.8	478.9	529.9
109.6	428.8	486.5	529.2	590.0
119.0	465.7	530.9	580.9	651.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.6*	133.7	143.4	151.6	161.5
44.0	173.6	187.6	199.3	213.2
53.3	215.2	234.2	249.4	267.1
62.7	258.6	282.8	301.6	322.9
72.1	303.6	333.1	355.8	381.1
79.3**	339.5	373.0	398.5	426.3
81.5	350.4	385.1	411.5	440.1
90.8	398.7	438.9	468.7	500.5
100.2	448.4	493.9	527.1	562.5
109.6	499.6	550.2	587.0	625.5
119.0	552.2	607.9	647.6	689.3

* Minimum operating weight

** Maximum takeoff weight

HH-60G Pave Hawk
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.8*	0.0	0.0	0.0	0.1
5.9	0.0	0.0	0.0	0.1
7.1	0.0	0.0	0.0	0.1
8.2	0.0	0.0	0.0	0.1
9.3	0.0	0.0	0.0	0.1
10.0**	0.0	0.0	0.0	0.1
10.5	0.0	0.0	0.0	0.1
11.6	0.0	0.0	0.0	0.1
12.7	0.0	0.0	0.0	0.1
13.8	0.0	0.0	0.0	0.1
15.0	0.0	0.0	0.0	0.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.8*	31.7	32.7	33.5	34.3
5.9	39.3	40.6	41.6	42.5
7.1	46.9	48.5	49.6	50.7
8.2	54.5	56.4	57.7	59.0
9.3	62.2	64.4	65.8	67.2
10.0**	66.6	68.9	70.4	72.0
10.5	69.8	72.3	73.9	75.5
11.6	77.4	80.2	82.0	83.8
12.7	85.1	88.1	90.0	91.9
13.8	92.7	96.0	98.1	100.2
15.0	100.4	103.9	106.2	108.4

* Minimum operating weight

** Maximum takeoff weight

HS 125-400/600/700

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.1	24.7	26.5	28.9
7.4	27.9	29.6	32.1	35.2
8.6	31.7	34.8	37.9	41.9
9.7	35.2	40.1	43.9	48.7
10.9	39.5	45.5	50	55.8
11.2**	40.6	46.7	51.5	57.5
12.1	44.1	51	56.3	63.5
13.3	48.7	56.6	62.8	72.6
14.4	53.4	62.4	69.5	81.9
15.6	58.1	68.4	76.4	91.4
16.8	62.9	74.4	83.4	101.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.2*	24.3	26.5	28.3	30.4
7.4	30	32.8	35.2	37.7
8.6	36.1	39.5	42.3	45.3
9.7	42.4	46.5	49.6	53.1
10.9	48.9	53.7	57.2	60.9
11.2**	50.5	55.4	59	62.8
12.1	55.7	61	64.9	68.9
13.3	62.7	68.6	72.8	77.1
14.4	69.9	76.3	80.7	85.4
15.6	77.2	84.1	88.8	93.7
16.8	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

HS 748, A748
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	41.8	51	57.5	67.3
14.5	49	60.2	68.3	82.5
16.4	56.3	69.8	79.6	99
18.3	63.8	79.8	94.1	116.1
20	70.4	88.5	106.9	130.5
20.3**	71.6	90.1	109.3	133.1
22.2	79.6	100.9	124.7	150
24.1	88	114.5	142	167.1
26.1	96.6	129.4	159.3	184.1
28	105.5	144.6	176.6	201.3
29.9	114.7	160.3	193.8	218.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.5*	54.7	60.9	65.3	69.9
14.5	66	73.2	78.2	83.3
16.4	77.8	85.9	91.3	96.8
18.3	90	98.8	104.8	110.7
20	100.5	110	116.3	122.6
20.3**	102.5	112.1	118.5	124.8
22.2	115.3	125.6	132.4	139.1
24.1	128.4	139.3	146.6	153.7
26.1	141.7	153.3	160.9	168.2
28	155.3	167.4	175.3	183
29.9	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-62 Ilyushin 62
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114*	267.7	286.1	315.1	390.5
128.8	304.2	329.3	373.8	477.7
143.6	341.5	375.1	437.7	578.2
158.5	379.8	423.7	507	689
164.9	396.8	446.9	538.8	738.9
173.3**	419.2	478.4	581.7	804.9
188.1	459.8	537.2	668.8	922.3
202.9	501.4	599.9	765.2	1040.7
217.7	544.6	666.7	871.9	1161.2
232.5	589.3	737.7	985.2	1283.2
247.4	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
114*	290.5	337.4	381.1	432.6
128.8	343.4	403.1	455.5	514.2
143.6	400.9	473.5	533.5	599.4
158.5	463	548	615.3	687.5
164.9	491.4	581.6	652	726.4
173.3**	529.3	626.3	700.2	777.9
188.1	599.5	707.8	787.7	871.3
202.9	673.6	792.2	877.7	966.6
217.7	751.1	879	970.3	1063.9
232.5	831.6	968.6	1065.1	1164.1
247.4	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from A-310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-76MD Candid B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
89.0*	68.5	87.8	103.7	127.3
110.8	84.4	113.4	137.8	174.7
132.6	104.0	141.9	176.1	232.5
154.3	123.7	173.3	219.9	297.9
176.1	144.0	207.7	270.9	369.1
190.0**	158.1	231.3	306.9	417.5
197.9	166.2	246.3	328.3	446.7
219.7	189.4	291.2	390.9	535.1
241.5	214.3	339.8	458.4	633.6
263.2	244.3	392.8	529.0	741.2
285.0	280.1	450.7	604.2	854.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
89.0*	101.5	120.0	132.0	145.2
110.8	139.9	161.7	176.5	194.8
132.6	181.1	205.8	224.3	250.0
154.3	224.2	252.5	276.0	311.1
176.1	269.2	302.0	332.1	378.6
190.0**	298.8	335.2	370.3	425.3
197.9	316.1	354.7	392.9	452.4
219.7	364.6	410.7	458.3	532.9
241.5	415.3	470.2	528.8	619.3
263.2	468.3	533.5	604.3	711.1
285.0	523.6	601.1	685.0	807.8

* Minimum operating weight

** Maximum takeoff weight

IL-76MF Candid (Stretched)

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
101.0*	74.6	101.4	122.0	152.2
124.8	97.1	131.5	161.9	211.0
148.6	118.5	164.7	207.3	279.9
172.3	140.5	201.5	261.5	356.3
196.1	164.4	242.8	323.4	440.1
210.0**	179.0	270.8	362.5	494.3
219.9	189.6	291.7	391.6	536.1
243.7	217.0	344.9	465.4	644.2
267.5	251.0	403.7	543.3	762.7
291.2	290.8	467.9	626.6	888.7
315.0	334.1	536.7	715.6	1024.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
101.0*	122.3	142.7	156.2	171.9
124.8	166.2	189.8	206.9	229.5
148.6	212.6	239.9	262.1	294.2
172.3	261.4	293.3	322.1	366.5
196.1	312.1	350.3	387.8	446.6
210.0**	342.8	385.4	428.7	496.3
219.9	365.2	411.3	459.0	533.8
243.7	420.7	476.5	536.4	628.4
267.5	478.8	546.3	619.6	729.4
291.2	539.9	620.7	708.9	836.7
315.0	604.0	700.2	804.3	950.4

* Minimum operating weight

** Maximum takeoff weight

IL-76T Candid A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.8*	64.0	78.7	91.9	111.6
100.2	74.2	100.5	120.7	150.4
119.5	92.4	124.6	152.7	197.0
138.9	109.7	150.8	188.1	250.8
158.2	127.3	179.2	228.6	310.4
170.0**	138.3	197.7	255.8	348.5
177.6	145.4	210.1	274.6	374.1
196.9	165.2	244.4	325.7	443.2
216.3	185.7	284.0	380.9	520.7
235.7	207.2	326.5	440.1	606.5
255.0	231.5	372.0	501.8	699.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.8*	88.1	105.0	116.2	127.9
100.2	120.8	141.1	154.5	170.1
119.5	156.2	179.2	195.4	216.1
138.9	193.5	219.2	238.9	267.3
158.2	232.2	261.2	285.8	322.8
170.0**	256.5	287.8	315.9	359.0
177.6	272.3	305.5	336.2	383.4
196.9	314.0	352.3	390.2	449.0
216.3	357.0	401.8	447.8	519.9
235.7	401.6	454.0	509.5	595.7
255.0	448.0	509.2	575.2	675.7

* Minimum operating weight

** Maximum takeoff weight

IL-76TD Candid A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.8*	64.0	78.7	91.9	111.6
103.5	75.8	104.4	126.0	157.6
126.2	98.3	133.3	164.5	214.9
148.9	118.8	165.2	208.0	280.9
171.6	139.7	200.2	259.6	353.8
190.0**	158.1	231.3	306.9	417.5
194.3	162.4	239.2	318.3	433.2
217.0	186.4	285.4	382.8	523.5
239.6	212.0	335.6	452.8	625.1
262.3	242.9	390.5	526.0	736.7
285.0	280.1	450.7	604.2	854.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
80.8*	88.1	105.0	116.2	127.9
103.5	126.8	147.5	161.4	177.7
126.2	168.9	192.7	210.1	233.2
148.9	213.3	240.6	262.7	295.2
171.6	259.8	291.5	320.0	364.0
190.0**	298.8	335.2	370.3	425.3
194.3	308.1	345.7	382.5	440.1
217.0	358.4	403.5	449.8	522.6
239.6	411.0	465.1	522.8	611.9
262.3	466.0	530.7	601.1	707.2
285.0	523.6	601.1	685.0	807.8

* Minimum operating weight

** Maximum takeoff weight

Jaguar GR MK1-T MK2

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.4*	27.7	29.9	33.0	36.8
9.2	33.2	38.1	42.4	48.6
11.0	39.3	46.8	52.4	62.2
12.8	46.5	55.8	62.8	77.0
14.6	53.9	65.2	76.1	92.9
15.7**	58.6	71.2	84.5	102.8
16.4	61.6	75.0	89.9	108.8
18.2	69.5	85.5	104.4	124.7
19.9	77.7	98.8	120.5	140.5
21.7	86.3	112.5	136.6	156.3
23.5	95.1	126.6	152.7	172.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.4*	31.0	34.1	36.5	39.2
9.2	40.9	44.9	48.0	51.3
11.0	51.4	56.4	59.9	63.7
12.8	62.4	68.2	72.3	76.4
14.6	73.9	80.4	84.9	89.4
15.7**	81.2	88.1	92.8	97.5
16.4	85.8	93.0	97.8	102.6
18.2	98.0	105.7	110.9	116.1
19.9	110.5	118.7	124.2	129.7
21.7	123.2	132.0	137.8	143.6
23.5	136.1	145.4	151.5	157.5

* Minimum operating weight

** Maximum takeoff weight

KC-10A Refueler
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
108.9*	204.1	206.7	211.3	222.7
141.4	264.1	269.9	279.0	305.2
173.9	324.4	334.6	351.5	400.4
206.4	385.3	401.4	431.1	513.1
238.9	447.0	471.1	518.4	644.2
267.6**	502.1	536.2	602.5	772.8
271.4	509.5	545.0	613.5	790.6
303.9	573.0	624.0	723.4	956.2
336.4	637.9	708.2	844.9	1128.3
368.9	704.4	798.1	977.9	1317.1
401.4	772.8	895.0	1122.2	1505.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
108.9*	190.8	201.1	215.9	240.6
141.4	253.1	276.0	303.9	344.7
173.9	321.8	361.5	404.7	461.8
206.4	398.4	457.9	516.8	589.4
238.9	483.1	564.5	638.6	725.2
267.6**	565.3	666.9	753.7	851.7
271.4	576.5	680.2	769.1	868.5
303.9	678.5	804.7	906.6	1018.2
336.4	788.4	935.9	1050.7	1174.3
368.9	906.5	1074.2	1200.2	1332.6
401.4	1031.1	1218.2	1354.8	1496.9

* Minimum operating weight

** Maximum takeoff weight

KC-46A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
123.8*	285.4	296.3	316.0	372.6
141.5	326.9	342.9	372.7	456.6
159.2	369.1	391.5	434.9	551.2
176.9	412.0	442.7	504.1	658.9
188.7	441.2	478.3	554.7	736.3
194.6**	455.9	496.6	580.9	775.7
212.3	500.3	554.1	664.1	895.4
230.0	545.9	615.3	754.4	1019.7
247.7	592.6	681.7	852.6	1154.3
265.4	640.6	754.5	963.1	1299.5
283.0	690.1	831.7	1080.3	1448.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
123.8*	295.4	336.7	378.4	430.1
141.5	351.6	407.0	458.5	519.6
159.2	412.7	482.6	543.8	613.7
176.9	479.0	563.3	633.8	711.3
188.7	525.9	619.9	695.9	778.2
194.6**	550.1	648.8	727.5	812.4
212.3	625.8	738.3	824.4	916.9
230.0	706.2	831.2	924.9	1023.6
247.7	790.6	927.4	1028.3	1133.8
265.4	878.5	1027.0	1134.2	1244.4
283.0	969.6	1129.4	1242.4	1358.6

* Minimum operating weight

** Maximum takeoff weight

KC-135 Refueler
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
47.3*	101.8	105.1	108.3	114.8
66.5	142.6	149.1	156.5	172.5
85.6	183.8	195.0	208.8	242.2
104.8	225.8	243.4	267.7	323.6
124.0	268.7	294.8	334.6	423.7
143.1**	313.0	350.8	409.6	543.3
146.5	320.9	361.3	423.7	567.3
162.3	358.7	412.3	494.5	682.1
181.4	406.2	479.4	595.3	825.3
200.6	455.8	552.4	706.9	968.6
219.8	508.9	631.6	840.4	1114.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
47.3*	97.3	101.0	106.4	117.1
66.5	139.2	149.6	163.7	186.0
85.6	185.2	206.8	232.1	266.6
104.8	237.1	273.4	310.4	356.4
124.0	295.8	348.8	397.1	452.5
143.1**	362.0	432.0	490.6	555.2
146.5	374.5	447.5	507.8	573.9
162.3	435.8	521.9	590.0	662.6
181.4	516.2	617.8	694.4	773.8
200.6	603.0	718.8	802.6	889.4
219.8	695.6	824.0	914.9	1008.1

* Minimum operating weight

** Maximum takeoff weight

KC-135A Refueler
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
47.3*	103.2	107.6	111.2	117.8
64.9	141.0	148.5	155.9	169.9
82.4	178.9	190.9	203.7	229.9
99.9	217.3	235.1	255.2	304.1
117.5	256.4	281.4	311.9	385.5
135.0**	296.4	330.2	379.5	485.2
136.8	300.5	335.3	386.5	496.1
152.6	337.5	382.1	451.6	601.6
170.1	379.8	437.7	530.4	729.6
187.7	423.5	497.3	622.9	863.8
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
47.3*	98.4	102.0	107.0	116.9
64.9	136.6	145.4	157.8	178.6
82.4	177.4	195.1	217.6	250.2
99.9	222.2	252.2	286.1	330.7
117.5	271.8	317.1	362.4	417.3
135.0**	327.2	389.0	445.3	509.4
136.8	333.1	396.6	454.2	519.0
152.6	388.7	467.2	533.5	606.5
170.1	456.3	551.1	626.8	707.6
187.7	529.4	640.0	724.0	811.9
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

KC-135E Stratotanker

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
50.9*	110.9	115.9	120.1	127.9
69.6	151.3	159.9	168.6	185.4
88.3	191.9	205.6	220.7	255.4
107.1	233.1	253.6	277.6	336.1
125.8	275.3	304.2	340.8	430.6
144.5**	318.5	357.9	417.7	544.9
146.3	322.7	363.1	425.0	556.4
163.2	363.1	415.5	498.8	678.1
182.0	409.2	477.6	591.3	820.4
200.7	457.1	553.9	698.8	963.9
219.4	506.8	630.3	820.7	1109.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
50.9*	106.1	110.5	116.6	128.7
69.6	147.4	158.3	173.1	197.1
88.3	192.1	213.7	239.9	276.7
107.1	241.7	277.8	316.4	365.3
125.8	297.3	350.4	401.0	460.2
144.5**	359.7	430.6	492.4	561.7
146.3	365.9	438.6	501.3	571.4
163.2	429.2	517.7	589.9	667.6
182.0	505.3	610.7	692.2	777.8
200.7	587.7	709.0	798.5	891.9
219.4	676.1	811.6	909.0	1009.1

* Minimum operating weight

** Maximum takeoff weight

**KC-135R/T Stratotanker
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.1*	117.8	123.3	128.1	137.1
72.5	157.4	166.7	176.2	194.9
90.8	197.3	211.8	227.9	265.5
109.2	237.9	259.3	284.5	345.9
127.6	279.3	309.1	347.1	440.8
145.9**	321.9	362.1	423.6	554.1
146.3	322.7	363.1	425.0	556.4
164.3	365.7	418.9	503.6	686.0
182.7	411.0	480.0	595.2	825.8
201.1	458.0	555.3	700.9	966.7
219.4	506.8	630.3	820.7	1109.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.1*	112.9	118.1	125.5	139.3
72.5	153.9	166.1	182.6	208.6
90.8	198.4	221.7	249.5	288.0
109.2	247.7	285.7	325.6	375.8
127.6	302.9	357.7	409.4	469.5
145.9**	364.7	437.0	499.6	569.5
146.3	365.9	438.6	501.3	571.4
164.3	433.3	522.8	595.6	673.7
182.7	508.3	614.4	696.2	782.0
201.1	589.3	710.9	800.6	894.1
219.4	676.1	811.6	909.0	1009.1

* Minimum operating weight

** Maximum takeoff weight

L-159
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	39.6	41.2	41.9	42.3
5.4	47.7	49.5	50.3	50.8
6.4	55.8	57.8	58.6	59.3
7.3	63.8	66	67	67.7
8.2	71.8	74.3	75.4	76.2
8.5**	74.5	77.1	78.2	79.1
9.1	79.7	82.5	83.8	84.7
10	87.7	90.8	92.1	93.1
10.9	95.7	99	100.5	101.6
11.8	103.6	107.2	108.8	110
12.7	111.6	115.5	117.2	118.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	38.7	39.2	39.6	40.1
5.4	46.5	47.2	47.7	48.2
6.4	54.3	55.1	55.7	56.3
7.3	62.1	63.2	63.8	64.5
8.2	70	71.1	71.8	72.6
8.5**	72.7	73.8	74.6	75.3
9.1	77.9	79.1	79.9	80.8
10	85.7	87	87.9	88.8
10.9	93.5	95	96	97
11.8	101.4	103	104	105.1
12.7	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

L-1011-500
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
111.5*	249.0	255.0	262.9	283.7
136.7	305.0	314.8	328.8	368.2
162.0	361.3	376.1	399.7	465.1
187.3	418.2	439.6	476.7	574.8
212.5	475.9	505.9	561.9	698.4
225.9**	506.7	542.5	610.3	772.7
237.8	534.3	576.1	655.1	841.5
263.0	593.6	650.2	756.5	993.7
288.3	654.2	728.6	866.8	1161.1
313.6	716.2	815.2	986.0	1335.9
338.8	779.8	906.2	1123.1	1515.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
111.5*	237.7	254.2	276.8	312.1
136.7	298.1	328.4	364.6	415.7
162.0	364.2	411.6	462.4	528.5
187.3	436.9	503.8	569.5	649.9
212.5	516.2	604.1	684.1	777.4
225.9**	561.1	660.5	748.1	848.0
237.8	602.8	711.9	805.9	911.7
263.0	696.8	827.2	933.8	1050.7
288.3	797.1	948.2	1067.3	1194.3
313.6	904.9	1075.2	1205.0	1342.3
338.8	1017.5	1207.2	1347.4	1493.9

* Minimum operating weight

** Maximum takeoff weight

LC-130H Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.2*	130.5	148.0	156.6	164.7
44.5	163.8	186.5	198.5	210.3
53.8	196.8	225.3	240.7	257.6
63.2	229.7	264.4	283.7	306.9
72.5	262.5	303.8	327.8	358.0
79.4**	286.8	333.2	361.1	397.1
81.8	295.3	343.5	372.9	411.0
91.1	328.2	383.9	419.3	466.1
100.4	361.2	424.8	467.0	523.4
109.7	394.3	466.5	516.0	582.8
119.1	427.7	509.0	566.2	643.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.2*	127.1	138.2	147.5	158.5
44.5	164.5	180.3	193.3	208.5
53.8	203.4	224.7	241.5	260.7
63.2	244.2	271.0	291.8	314.8
72.5	286.6	319.1	344.0	370.9
79.4**	319.2	355.9	383.7	413.6
81.8	331.0	369.0	397.8	428.5
91.1	376.4	420.5	452.9	487.3
100.4	423.6	473.4	509.5	547.5
109.7	472.1	527.6	567.5	608.8
119.1	522.1	583.1	626.2	670.9

* Minimum operating weight

** Maximum takeoff weight

Learjet 23/24/25/28/36/55

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	19.4	19.9	20.6	22.7
5.5	22.8	23.5	25.2	28
6.3	26.1	27.4	30	34.2
7.2	29.4	31.8	35	40.7
8.1	32.6	36.3	40.1	47.4
8.3**	33.4	37.4	41.4	49.1
9	35.8	41	46	55
9.8	39.7	45.7	52.3	62.9
10.7	43.7	50.7	58.8	70.7
11.6	47.9	55.7	65.4	78.6
12.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.6*	20.3	21.7	22.9	24.3
5.5	25.2	27	28.5	30.2
6.3	30.3	32.5	34.3	36.3
7.2	35.6	38.3	40.3	42.5
8.1	41.1	44.1	46.4	48.8
8.3**	42.6	45.6	47.9	50.3
9	46.9	50.2	52.6	55.2
9.8	52.7	56.3	59	61.7
10.7	58.7	62.6	65.4	68.3
11.6	64.8	69	72	75
12.5	71	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-21A LEARJET 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

M-28A Skytruck
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.4*	26.4	29.6	33.2	35.6
5.2	29.5	35.0	39.0	41.8
5.9	32.2	40.4	44.8	47.9
6.7	34.6	45.6	50.5	54.0
7.4	37.7	50.9	56.3	60.1
7.5**	38.0	51.2	56.7	60.5
8.2	41.9	56.0	61.9	66.1
9.0	46.1	61.2	67.6	72.2
9.7	50.1	66.3	73.2	78.2
10.5	54.1	71.4	78.9	84.3
11.2	58.0	76.4	84.5	90.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.4*	21.9	24.0	25.6	27.2
5.2	26.0	28.6	30.5	32.4
5.9	30.1	33.2	35.4	37.5
6.7	34.3	37.8	40.2	42.7
7.4	38.5	42.4	45.1	47.8
7.5**	38.8	42.8	45.5	48.2
8.2	42.7	47.1	50.0	52.9
9.0	46.9	51.7	54.8	58.0
9.7	51.1	56.3	59.7	63.1
10.5	55.3	60.9	64.6	68.2
11.2	59.6	65.5	69.5	73.3

* Minimum operating weight

** Maximum takeoff weight

MC-130E Combat Talon I
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	146.9	162.1	169.9	177.6
46.7	181.2	200.6	211.2	222.5
55.7	215.3	239.4	253.0	269.1
64.8	249.3	278.5	295.6	317.6
73.8	283.3	317.9	339.1	367.7
79.4**	304.1	342.2	366.3	399.3
82.9	317.3	357.7	383.7	419.6
91.9	351.4	398.0	429.6	473.4
101.0	385.7	438.9	476.5	529.1
110.0	420.1	480.5	524.7	586.8
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	143.3	154.5	164.0	175.4
46.7	181.6	197.2	210.2	225.0
55.7	221.4	242.0	258.4	277.2
64.8	262.9	288.6	308.5	330.8
73.8	306.0	336.8	360.4	386.6
79.4**	333.4	367.1	392.9	421.0
82.9	350.6	386.6	413.7	442.5
91.9	396.7	437.8	468.4	500.8
101.0	444.0	490.4	524.1	560.0
110.0	492.7	544.1	581.3	620.4
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MC-130H Combat Talon II
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	146.9	162.1	169.9	177.6
46.7	181.2	200.6	211.2	222.5
55.7	215.3	239.4	253.0	269.1
64.8	249.3	278.5	295.6	317.6
73.8	283.3	317.9	339.1	367.7
79.4**	304.1	342.2	366.3	399.3
82.9	317.3	357.7	383.7	419.6
91.9	351.4	398.0	429.6	473.4
101.0	385.7	438.9	476.5	529.1
110.0	420.1	480.5	524.7	586.8
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	143.3	154.5	164.0	175.4
46.7	181.6	197.2	210.2	225.0
55.7	221.4	242.0	258.4	277.2
64.8	262.9	288.6	308.5	330.8
73.8	306.0	336.8	360.4	386.6
79.4**	333.4	367.1	392.9	421.0
82.9	350.6	386.6	413.7	442.5
91.9	396.7	437.8	468.4	500.8
101.0	444.0	490.4	524.1	560.0
110.0	492.7	544.1	581.3	620.4
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MC-130P Combat Shadow
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	146.9	162.1	169.9	177.6
46.7	181.2	200.6	211.2	222.5
55.7	215.3	239.4	253.0	269.1
64.8	249.3	278.5	295.6	317.6
73.8	283.3	317.9	339.1	367.7
79.4**	304.1	342.2	366.3	399.3
82.9	317.3	357.7	383.7	419.6
91.9	351.4	398.0	429.6	473.4
101.0	385.7	438.9	476.5	529.1
110.0	420.1	480.5	524.7	586.8
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	143.3	154.5	164.0	175.4
46.7	181.6	197.2	210.2	225.0
55.7	221.4	242.0	258.4	277.2
64.8	262.9	288.6	308.5	330.8
73.8	306.0	336.8	360.4	386.6
79.4**	333.4	367.1	392.9	421.0
82.9	350.6	386.6	413.7	442.5
91.9	396.7	437.8	468.4	500.8
101.0	444.0	490.4	524.1	560.0
110.0	492.7	544.1	581.3	620.4
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MD-11
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
131.0*	257.2	260.0	266.9	288.6
164.3	322.2	328.6	342.8	386.6
197.6	387.8	399.6	426.2	502.6
230.9	454.3	473.7	518.2	639.2
264.2	521.6	552.5	618.4	793.0
287.1**	568.7	610.0	697.2	911.3
297.5	590.2	636.9	734.8	967.0
330.8	660.3	727.1	864.1	1149.2
364.1	732.3	823.5	1005.9	1348.6
397.4	806.5	928.2	1160.0	1549.3
430.7	884.2	1044.6	1332.6	1770.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
131.0*	247.1	266.1	290.3	326.8
164.3	320.3	355.9	395.4	449.1
197.6	402.1	457.5	513.0	582.3
230.9	492.9	570.5	641.5	725.4
264.2	592.9	693.3	779.4	876.4
287.1**	667.5	783.5	878.8	984.8
297.5	702.7	825.5	925.1	1034.5
330.8	820.7	965.2	1078.0	1198.3
364.1	947.4	1112.5	1236.8	1367.7
397.4	1081.4	1265.8	1400.9	1541.3
430.7	1222.7	1424.7	1570.2	1719.7

* Minimum operating weight

** Maximum takeoff weight

MD-81
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.3*	157.3	169.2	180.3	202.5
42	188.5	204.9	222.2	252.9
48.6	220.7	242.2	268.3	306.8
55.3	253.8	281.6	317.1	364
62	287.9	325.6	368	425.3
63.5**	296	336.1	379.8	440.2
68.6	323.1	372	423.7	490.8
75.3	359.5	420.4	481.7	556.7
81.9	397.3	470.8	542	622
88.6	438.9	526.2	606.8	686.2
95.3	482.5	584.7	673.6	750.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.3*	198.5	211	220	229.4
42	244.7	259.5	270	280.9
48.6	292.6	309.5	321.3	333.1
55.3	342.2	360.8	373.7	386.6
62	393	413.3	427.1	441.2
63.5**	404.9	425.6	439.6	453.7
68.6	445	466.8	481.5	496.4
75.3	498	521.1	536.8	552.6
81.9	552.2	576.2	592.6	609.5
88.6	606.8	632.6	649.3	666.8
95.3	662.6	689	706.3	724.5

* Minimum operating weight

** Maximum takeoff weight

MD-82/88
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	161.8	171.9	182.3	203.9
42.7	197.5	212.2	229.3	259.9
50.1	234.2	254.4	281.3	320.5
57.5	272.2	299.9	336.3	384.4
64.9	311.5	350.2	393.7	454.8
67.8**	327.6	371.2	419.2	484.1
72.2	352.1	403.2	457.7	528
79.6	394.2	458.7	522.8	601.1
87	439.6	516.8	593.1	672.6
94.3	488.5	581.9	667.3	743.9
101.7	539.7	648	741.8	815.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
35.4*	203.9	215.5	223.9	232.7
42.7	256.1	270	279.9	290.5
50.1	310.4	326.4	337.6	349
57.5	366.6	384.3	396.6	409.4
64.9	424.3	443.6	456.9	470.3
67.8**	447.8	467.8	481.3	495.1
72.2	483.3	504.1	518.2	532.6
79.6	543.5	565.8	580.6	595.9
87	604.9	628.2	643.5	659.7
94.3	667.3	691.2	707.4	724.1
101.7	730.7	755.7	772.4	789.3

* Minimum operating weight

** Maximum takeoff weight

MD-83
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.1*	168.2	177.7	187.9	210.3
44.2	208.1	222.5	240.8	272
52.3	249.5	269.6	298.9	340.1
60.4	292.3	322	360.5	412
68.5	336.6	378.9	426.4	491.4
72.6**	359.9	409	462.4	532.3
76.5	382.7	438.8	497.4	571.8
84.6	431.1	501.4	571.6	650.9
92.7	484.6	570.4	652.3	729.3
100.8	540.9	643	734.2	807.7
108.9	599.8	717.9	816.1	886.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
36.1*	212.5	223.8	232	240.7
44.2	270.8	284.5	294.1	304.2
52.3	331.7	347.2	358.2	369.5
60.4	394.3	411.8	423.8	436.2
68.5	458.8	477.6	490.8	504.3
72.6**	492.2	511.8	525.4	539.3
76.5	524.8	545.2	559.1	573.4
84.6	592.2	613.9	628.2	643.5
92.7	660.9	683.1	698.5	714.3
100.8	730.8	754.2	769.9	786
108.9	801.3	825.8	841.6	858.7

* Minimum operating weight

** Maximum takeoff weight

MD-87
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34*	155.1	164.4	174	193.6
41.5	191.3	205.3	220.9	250.3
49	228.7	248	273.4	311.1
56.5	267.3	293.7	329.2	376.2
64.1	307.3	344.8	387.2	447.1
67.8**	327.6	371.2	419.2	484.1
71.6	348.6	398.6	452.2	521.8
79.1	391.5	455.1	518.6	596.5
86.7	437.6	514.1	590	669.5
94.2	487.4	580.5	665.7	742.4
101.7	539.7	648	741.8	815.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34*	194.2	205.3	213.5	222
41.5	247.1	260.5	270.4	280.6
49	302.2	317.9	329	340.2
56.5	359.4	376.8	389.1	401.8
64.1	418.1	437.3	450.4	463.7
67.8**	447.8	467.8	481.3	495.1
71.6	478.3	498.9	512.9	527.3
79.1	539.7	561.8	576.6	591.8
86.7	602.2	625.6	640.8	657
94.2	666	689.8	706.1	722.7
101.7	730.7	755.7	772.4	789.3

* Minimum operating weight

** Maximum takeoff weight

MH-53J/M Pave Low
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.7*	36.4	39.1	41.8	45.7
13.2	45.8	49.9	53.8	60.6
15.8	55.5	61.1	66.4	77.8
18.4	65.4	72.8	79.7	96.5
21.0	75.8	85.1	96.7	116.1
22.7**	82.5	93.2	107.8	128.5
23.6	86.5	97.9	114.3	135.6
26.2	97.5	111.4	133.0	155.0
28.8	109.0	128.8	153.1	174.5
31.4	120.8	146.5	173.2	194.1
34.0	133.1	164.7	193.2	213.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.7*	44.1	47.0	49.3	51.8
13.2	57.6	61.4	64.2	67.2
15.8	71.9	76.4	79.6	83.1
18.4	86.7	91.9	95.5	99.2
21.0	102.0	107.7	111.7	115.8
22.7**	111.9	118.0	122.2	126.4
23.6	117.7	124.0	128.3	132.7
26.2	133.8	140.6	145.2	149.8
28.8	150.3	157.4	162.2	167.1
31.4	167.1	174.6	179.6	184.7
34.0	184.1	191.9	197.2	202.3

* Minimum operating weight

** Maximum takeoff weight

**MHU-196 Airfield
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
18.1*	93.4	92.5	93.8	97.2
22.2	114.1	113.9	116.3	121.5
26.2	134.9	135.8	139.5	147.2
30.2	155.8	158.2	163.4	174.4
34.3	177.4	181.1	188.0	202.9
36.3**	188.2	192.7	200.6	217.6
38.3	199.2	204.5	213.6	232.6
42.3	221.3	228.4	240.3	268.2
46.4	243.7	252.8	267.8	300.9
50.4	266.5	277.8	296.3	334.3
54.4	289.6	303.6	325.7	368.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
18.1*	105.7	109.4	112.7	116.6
22.2	132.8	137.8	142.0	146.8
26.2	161.0	167.3	172.3	177.9
30.2	190.1	197.6	203.3	209.8
34.3	220.0	228.7	235.1	242.0
36.3**	235.3	244.4	251.2	258.5
38.3	250.8	260.3	267.5	275.1
42.3	282.2	292.6	300.3	308.0
46.4	314.3	325.5	333.7	341.5
50.4	346.8	358.9	367.4	375.4
54.4	379.9	392.7	401.5	409.8

* Minimum operating weight

** Maximum takeoff weight

MIG-25 Russian
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.6*	165.7	170.1	172.1	173.5
24.3	204.9	210.4	212.9	214.6
28.9	244.1	250.6	253.6	255.7
33.6	283.2	290.9	294.3	296.8
38.2	322.2	331.1	335.0	337.9
41.0**	345.6	355.1	359.3	362.4
42.9	361.3	371.3	375.7	378.9
47.5	400.4	411.5	416.4	420.0
52.2	439.4	451.7	457.1	461.1
56.8	478.5	491.9	497.8	502.2
61.5	517.6	532.1	538.4	543.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
19.6*	163.4	165.3	166.6	168.0
24.3	202.3	204.7	206.3	208.0
28.9	241.3	244.1	245.9	247.9
33.6	280.2	283.6	285.6	288.1
38.2	319.2	322.8	325.3	327.7
41.0**	342.3	346.4	349.0	351.6
42.9	358.0	362.2	364.9	367.7
47.5	397.0	401.7	404.6	408.0
52.2	435.9	441.1	444.3	448.0
56.8	474.8	480.4	483.9	487.6
61.5	513.8	519.5	523.6	527.6

* Minimum operating weight

** Maximum takeoff weight

MIG-29 Russian
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.9*	91.5	94.3	95.5	96.4
13.0	108.9	112.2	113.6	114.7
15.0	126.2	130.0	131.7	133.0
17.1	143.5	147.9	149.8	151.2
19.2	160.8	165.7	167.9	169.5
19.7**	165.0	170.1	172.4	174.0
21.3	178.0	183.5	186.0	187.7
23.3	195.3	201.3	204.1	206.0
25.4	212.5	219.1	222.1	224.2
27.5	229.8	236.9	240.2	242.5
29.5	247.0	254.7	258.2	260.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
10.9*	89.7	90.9	91.7	92.5
13.0	106.8	108.3	109.3	110.2
15.0	123.9	125.7	126.8	127.9
17.1	141.1	143.1	144.3	145.6
19.2	158.2	160.3	161.8	163.3
19.7**	162.5	164.6	166.1	167.6
21.3	175.4	177.7	179.3	181.0
23.3	192.5	195.0	196.8	198.6
25.4	209.6	212.5	214.4	216.4
27.5	226.8	229.9	231.9	233.9
29.5	243.9	247.3	249.3	251.6

* Minimum operating weight

** Maximum takeoff weight

Mirage 2000, MIR2
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	69	67.6	67	66.5
9.9	86.1	84.4	83.6	83.1
11.8	103.3	101.2	100.3	99.6
13.8	120.5	118	117	116.2
15.7	137.6	134.9	133.6	132.7
17**	148.9	145.9	144.6	143.6
17.7	154.8	151.7	150.3	149.3
19.6	172	168.6	167	165.9
21.6	189.2	185.4	183.7	182.4
23.6	206.5	202.3	200.4	199
25.5	223.7	219.1	217.1	215.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	70.6	69.9	69.4	68.9
9.9	88	87.2	86.5	85.9
11.8	105.4	104.3	103.6	102.9
13.8	122.8	121.6	120.8	119.9
15.7	140.3	138.9	137.9	137
17**	151.7	150.2	149.1	148.2
17.7	157.7	156.1	155	154
19.6	175.1	173.3	172.1	171
21.6	192.5	190.5	189.3	188
23.6	210	207.8	206.4	205
25.5	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from F-16D which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

MQ-1B Predator
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.9*	6.5	6.7	6.8	6.9
0.9	7.0	7.1	7.3	7.4
1.0	7.5	7.7	7.8	8.0
1.0	7.5	7.7	7.8	8.0
1.1	7.9	8.1	8.3	8.4
1.2**	8.3	8.6	8.7	9.0
1.2	8.7	9.0	9.2	9.4
1.3	9.1	9.4	9.7	9.9
1.4	9.5	9.9	10.1	10.4
1.5	9.9	10.3	10.6	10.9
1.5	10.3	10.7	11.0	11.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.9*	4.8	4.9	5.0	5.0
0.9	5.1	5.2	5.3	5.4
1.0	5.4	5.5	5.6	5.7
1.0	5.4	5.5	5.6	5.7
1.1	5.6	5.8	5.9	6.0
1.2**	5.9	6.0	6.2	6.3
1.2	6.1	6.3	6.5	6.6
1.3	6.4	6.6	6.7	6.9
1.4	6.6	6.9	7.0	7.2
1.5	6.9	7.1	7.3	7.5
1.5	7.1	7.4	7.6	7.8

* Minimum operating weight

** Maximum takeoff weight

MQ-1C Gray Eagle
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.2*	8.7	8.9	9.1	9.4
1.3	9.5	9.8	10.1	10.3
1.4	10.3	10.7	11.0	11.3
1.6	11.1	11.5	11.9	12.2
1.6	11.3	11.8	12.1	12.5
1.7**	11.8	12.3	12.7	13.2
1.9	12.5	13.1	13.5	14.0
2.0	13.1	13.8	14.4	14.9
2.2	13.8	14.5	15.1	16.0
2.3	14.4	15.2	15.9	17.3
2.4	15.0	15.9	16.6	18.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.2*	6.1	6.3	6.4	6.6
1.3	6.6	6.8	7.0	7.2
1.4	7.1	7.3	7.5	7.8
1.6	7.6	7.9	8.1	8.4
1.6	7.7	8.0	8.3	8.5
1.7**	8.0	8.3	8.6	8.9
1.9	8.4	8.8	9.1	9.5
2.0	8.9	9.3	9.6	10.0
2.2	9.3	9.7	10.1	10.5
2.3	9.7	10.2	10.6	11.0
2.4	10.0	10.6	11.0	11.5

* Minimum operating weight

** Maximum takeoff weight

MQ-5B Hunter
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.7*	5.8	5.9	5.9	6.0
0.7	6.4	6.5	6.5	6.6
0.8	7.0	7.0	7.1	7.2
0.9	7.5	7.6	7.7	7.8
0.9	7.5	7.6	7.7	7.8
1.0**	8.1	8.2	8.3	8.4
1.0	8.6	8.7	8.9	9.0
1.1	9.1	9.3	9.4	9.6
1.2	9.7	9.8	10.0	10.1
1.3	10.2	10.4	10.5	10.7
1.3	10.7	10.9	11.1	11.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.7*	4.7	4.8	4.8	4.9
0.7	5.1	5.2	5.3	5.3
0.8	5.5	5.6	5.7	5.8
0.9	5.9	6.0	6.1	6.2
0.9	5.9	6.0	6.1	6.2
1.0**	6.3	6.4	6.5	6.6
1.0	6.7	6.8	6.9	7.0
1.1	7.0	7.2	7.3	7.4
1.2	7.4	7.5	7.7	7.8
1.3	7.7	7.9	8.0	8.2
1.3	8.1	8.3	8.4	8.6

* Minimum operating weight

** Maximum takeoff weight

MQ-8 Fire Scout
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.9*	3.9	3.9	4.0	4.1
1.1	4.3	4.4	4.5	4.6
1.2	4.8	4.9	5.0	5.1
1.3	5.2	5.4	5.5	5.6
1.4	5.5	5.7	5.8	6.0
1.5**	5.5	5.7	5.8	6.0
1.6	6.0	6.2	6.4	6.6
1.7	6.4	6.7	6.9	7.1
1.9	6.8	7.1	7.3	7.5
2.0	7.1	7.4	7.7	8.0
2.1	7.5	7.8	8.1	8.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.9*	2.8	2.8	2.9	2.9
1.1	3.1	3.1	3.2	3.3
1.2	3.3	3.4	3.5	3.6
1.3	3.6	3.7	3.8	3.9
1.4	3.8	3.9	4.0	4.1
1.5**	3.8	3.9	4.0	4.1
1.6	4.0	4.2	4.3	4.4
1.7	4.3	4.4	4.5	4.7
1.9	4.5	4.6	4.8	4.9
2.0	4.7	4.9	5.0	5.2
2.1	4.9	5.1	5.2	5.4

* Minimum operating weight

** Maximum takeoff weight

MQ-9A Reaper
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	20.0	20.2	20.3	20.5
2.8	24.8	24.9	25.3	25.6
3.3	29.3	29.9	30.4	30.7
3.9	33.9	34.9	35.4	35.7
4.4	38.5	39.8	40.4	40.8
4.8**	41.7	43.0	43.6	44.1
5.0	43.4	44.8	45.4	45.9
5.5	48.2	49.8	50.4	50.9
6.1	53.0	54.7	55.4	56.0
6.6	57.9	59.7	60.4	61.0
7.1	62.7	64.6	65.5	66.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	18.9	19.1	19.2	19.4
2.8	23.5	23.8	24.0	24.3
3.3	28.2	28.6	28.9	29.1
3.9	32.9	33.4	33.7	34.0
4.4	37.7	38.2	38.5	38.9
4.8**	40.7	41.2	41.6	42.0
5.0	42.4	42.9	43.3	43.7
5.5	47.1	47.7	48.2	48.6
6.1	51.8	52.5	53.0	53.5
6.6	56.5	57.3	57.8	58.4
7.1	61.2	62.1	62.6	63.3

* Minimum operating weight

** Maximum takeoff weight

MV-22 Osprey
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.2*	45.5	52.6	57.6	64.1
18.1	54.6	63.6	70.1	79.5
21.0	63.7	74.9	83.2	95.7
23.9	73.0	86.6	97.7	112.8
26.7	82.5	98.7	112.9	133.3
27.4**	84.8	101.7	116.7	138.3
29.6	92.2	111.4	128.7	154.4
32.5	102.2	125.4	145.1	176.5
35.4	112.5	139.9	162.8	198.6
38.3	123.0	155.0	183.5	220.8
41.2	133.9	170.5	204.6	242.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
15.2*	54.6	60.5	64.9	69.7
18.1	68.0	75.3	80.5	86.0
21.0	82.1	90.6	96.6	102.7
23.9	96.8	106.5	113.1	119.9
26.7	112.0	122.8	130.1	137.4
27.4**	115.8	126.8	134.3	141.6
29.6	127.7	139.4	147.3	155.2
32.5	143.8	156.4	164.9	173.2
35.4	160.2	173.7	182.7	191.5
38.3	177.0	191.3	200.7	210.0
41.2	194.1	209.1	218.9	228.6

* Minimum operating weight

** Maximum takeoff weight

OC-135B Open Skies
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
57.3*	124.8	130.8	136.4	146.7
73.4	159.4	168.9	178.8	198.1
89.5	194.4	208.5	224.0	260.0
105.6	229.8	249.7	272.8	329.2
121.7	265.8	292.7	326.2	407.1
134.7**	295.7	329.2	378.2	483.2
137.7	302.7	337.9	390.1	501.8
153.8	340.4	385.9	456.9	610.3
169.9	379.2	436.9	529.3	727.9
186.0	419.2	491.4	613.3	850.9
202.1	460.5	559.2	706.8	974.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
57.3*	120.0	126.1	134.8	150.6
73.4	156.1	168.8	185.8	212.3
89.5	195.0	217.3	244.3	281.9
105.6	237.5	272.3	309.8	357.9
121.7	284.3	333.6	381.6	438.9
134.7**	326.1	387.6	443.7	507.6
137.7	336.2	400.6	458.7	524.1
153.8	393.2	473.0	540.0	613.5
169.9	455.4	549.9	625.6	706.3
186.0	522.3	631.2	714.5	801.5
202.1	593.8	716.2	806.3	900.2

* Minimum operating weight

** Maximum takeoff weight

OH-58A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.7*	3.0	3.1	3.1	3.1
0.8	3.5	3.6	3.7	3.7
1.0	4.1	4.2	4.2	4.3
1.1	4.5	4.7	4.8	4.9
1.3	5.0	5.2	5.3	5.4
1.4**	5.2	5.4	5.5	5.7
1.4	5.4	5.6	5.8	5.9
1.6	5.8	6.1	6.3	6.5
1.7	6.2	6.5	6.7	6.9
1.9	6.6	6.9	7.2	7.4
2.0	7.0	7.3	7.6	7.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.7*	2.2	2.2	2.3	2.3
0.8	2.5	2.6	2.6	2.7
1.0	2.8	2.9	2.9	3.0
1.1	3.1	3.2	3.2	3.3
1.3	3.4	3.5	3.5	3.6
1.4**	3.5	3.6	3.7	3.8
1.4	3.6	3.7	3.8	3.9
1.6	3.8	4.0	4.1	4.2
1.7	4.1	4.2	4.3	4.5
1.9	4.3	4.4	4.6	4.8
2.0	4.5	4.7	4.8	5.0

* Minimum operating weight

** Maximum takeoff weight

OV-1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.6*	24.6	25.8	28.4	30.0
4.6	29.3	33.1	36.0	38.0
5.5	33.5	40.3	43.6	45.9
6.5	38.1	47.3	51.1	53.8
7.5	44.2	54.3	58.6	61.6
8.2**	48.5	59.4	64.1	67.4
8.4	50.1	61.2	66.0	69.5
9.4	55.9	68.1	73.5	77.3
10.3	61.6	75.0	80.9	85.1
11.3	67.2	81.8	88.2	92.9
12.2	72.9	88.6	95.6	100.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.6*	20.1	21.6	22.6	23.8
4.6	25.8	27.7	29.1	30.6
5.5	31.5	33.9	35.6	37.4
6.5	37.3	40.2	42.1	44.2
7.5	43.1	46.4	48.7	50.9
8.2**	47.3	51.0	53.5	55.9
8.4	48.9	52.6	55.2	57.7
9.4	54.7	58.9	61.7	64.4
10.3	60.5	65.1	68.2	71.2
11.3	66.3	71.4	74.7	77.9
12.2	72.1	77.6	81.2	84.8

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - High Pressure
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	142.2	150.6	160.3	177.2
38.4	179.2	192.5	208.2	236.7
45.9	217.5	237.6	260.9	300.8
53.4	257.3	285.6	319.9	369.3
61.0	299.4	337.2	385.3	442.6
65.8**	327.5	371.6	426.8	489.9
68.5	344.0	391.9	451.9	517.1
76.1	390.6	457.2	524.5	591.6
83.6	439.3	524.3	599.3	664.8
91.1	490.6	593.4	675.0	737.8
98.7	544.4	668.3	750.8	810.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	179.5	189.3	196.6	204.3
38.4	233.6	245.7	254.1	263.2
45.9	290.0	304.0	313.7	323.7
53.4	348.6	364.2	375.0	385.9
61.0	408.8	425.8	437.5	449.2
65.8**	447.8	465.7	478.0	490.4
68.5	470.5	488.8	501.2	513.9
76.1	533.5	552.9	566.1	579.5
83.6	597.7	618.2	631.6	645.9
91.1	663.1	684.1	698.1	712.9
98.7	729.6	751.0	765.8	780.4

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - Low Pressure
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.5*	157.3	169.1	182.1	203.8
41.7	192.2	209.8	229.3	263.9
48.8	228.3	253.2	280.3	325.3
55.9	265.9	299.3	339.8	392.1
63.0	305.9	348.7	401.4	462.0
65.8**	321.9	368.4	425.2	489.0
70.2	348.0	402.7	466.2	532.3
77.3	391.8	465.0	535.2	602.5
84.4	437.5	528.3	605.8	671.4
91.5	485.5	594.9	677.1	740.2
98.7	535.9	665.7	748.5	809.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
34.5*	202.3	213.9	222.1	230.6
41.7	253.9	267.6	277.1	287.2
48.8	307.5	323.0	333.8	344.5
55.9	362.9	379.8	391.7	403.9
63.0	419.7	438.1	450.7	463.2
65.8**	441.9	460.8	473.7	486.6
70.2	477.8	497.5	510.7	524.2
77.3	537.0	558.0	571.9	586.1
84.4	597.3	619.2	633.5	648.6
91.5	658.6	680.8	696.1	711.6
98.7	720.9	743.8	759.3	775.2

* Minimum operating weight

** Maximum takeoff weight

P-3N Orion
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	137.2	147.7	158.3	175.9
37.1	166.7	181.5	197.3	224.5
43.3	197.0	217.8	239.7	277.4
49.6	228.4	255.9	284.7	332.1
55.8	260.8	296.2	337.7	390.8
58.1**	272.8	311.2	357.0	412.3
62.1	295.3	339.1	391.7	451.9
68.3	331.3	384.5	447.6	513.4
74.6	368.8	438.4	507.4	574.9
80.8	407.6	493.6	568.6	635.7
87.1	447.9	549.0	630.8	695.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
30.8*	173.5	184.5	192.3	200.5
37.1	217.1	230.1	239.2	248.7
43.3	262.4	277.3	287.5	298.1
49.6	309.2	325.7	337.1	348.5
55.8	357.4	375.3	387.6	400.3
58.1**	374.7	393.2	405.7	418.5
62.1	406.6	425.9	439.0	452.0
68.3	456.9	477.5	491.1	505.1
74.6	508.1	529.6	544.1	558.7
80.8	560.2	582.7	597.5	613.1
87.1	612.9	636.5	651.7	667.7

* Minimum operating weight

** Maximum takeoff weight

P-8A Poseidon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.7*	212.6	219.7	230.3	251.7
53.9	258.7	270.0	287.7	316.4
63.2	306.1	323.5	348.9	388.8
72.5	354.7	379.9	412.5	465.2
81.7	404.7	439.2	480.9	547.2
85.4**	424.7	463.2	509.6	581.1
91.0	456.5	501.3	554.7	633.7
100.3	510.5	565.1	631.1	722.4
109.5	566.5	633.4	710.4	811.6
118.8	624.5	707.7	797.7	900.9
128.0	684.6	783.7	887.0	990.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
44.7*	262.8	275.1	284.3	294.3
53.9	328.8	343.3	354.4	365.9
63.2	397.0	414.1	426.5	439.8
72.5	467.5	486.6	500.2	514.6
81.7	539.9	560.9	575.8	591.3
85.4**	568.8	590.5	605.4	621.7
91.0	613.9	636.8	652.2	669.0
100.3	689.6	713.5	729.7	747.9
109.5	766.3	791.4	809.1	827.2
118.8	844.4	870.9	888.9	908.1
128.0	923.9	951.1	969.8	989.7

* Minimum operating weight

** Maximum takeoff weight

PC-7
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2*	15.7	15.9	16.1	16.4
2.3	18	18.3	18.5	19.2
2.6	20.2	20.5	21	21.9
3	22.3	22.9	23.7	24.7
3.3	24.3	24.9	26.3	27.3
3.3**	24.3	24.9	26.3	27.3
3.6	26.5	27.5	29.1	30.1
3.9	28.3	30.1	31.7	32.8
4.3	30.3	32.7	34.4	35.5
4.6	32.2	35.3	37	38.2
4.9	34	37.8	39.7	40.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2*	13.1	13.3	13.4	13.7
2.3	14.8	15.2	15.6	16.1
2.6	16.8	17.5	18	18.5
3	19	19.7	20.3	20.9
3.3	21.1	22	22.6	23.4
3.3**	21.1	22	22.6	23.4
3.6	23.3	24.3	25	25.8
3.9	25.4	26.5	27.4	28.2
4.3	27.6	28.8	29.7	30.6
4.6	29.8	31.1	32.1	33
4.9	32	33.4	34.4	35.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-37B which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Phantom FG MK1
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.5*	134.6	131.1	129.5	128.3
17.3	160.7	156.5	154.6	153.2
20.1	186.8	181.9	179.6	178.1
22.9	212.9	207.3	204.7	203.0
25.7	239.1	232.7	229.9	227.8
26.5**	246.3	239.7	236.8	234.7
28.5	265.3	258.2	255.0	252.7
31.3	291.5	283.6	280.2	277.6
34.1	317.7	309.1	305.3	302.5
36.9	343.9	334.6	330.5	327.4
39.7	370.1	360.1	355.6	352.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.5*	138.1	136.4	135.0	133.8
17.3	164.6	162.5	161.0	159.6
20.1	191.2	188.6	187.0	185.4
22.9	217.8	215.0	213.0	211.1
25.7	244.5	241.2	239.0	236.7
26.5**	251.7	248.3	246.1	243.8
28.5	271.0	267.4	265.0	262.7
31.3	297.5	293.7	290.9	288.2
34.1	324.0	319.9	316.9	314.0
36.9	350.6	346.1	342.9	339.8
39.7	377.2	372.3	368.9	365.6

* Minimum operating weight

** Maximum takeoff weight

Puma HC Mk1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.1*	21.8	22.6	24.3	28.2
7.2	25.7	27.1	30.5	35.6
8.4	29.6	32.5	37.2	44.5
9.5	33.4	38.2	44.1	53.3
10.7	37.4	44.6	51.7	62.1
11**	38.7	46.4	54.1	64.4
11.9	42.3	51.3	60.7	70.8
13	47.4	58.2	69.6	79.6
14.2	52.7	65.2	78.5	88.3
15.4	58.9	73.9	87.4	97.1
16.5	65.2	83.1	96.3	105.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.1*	24.5	26.2	27.6	29.1
7.2	30.7	32.8	34.4	36.1
8.4	37.1	39.5	41.4	43.4
9.5	43.7	46.5	48.6	50.7
10.7	50.6	53.7	55.9	58.2
11**	52.4	55.6	57.9	60.2
11.9	57.6	61	63.3	65.8
13	64.8	68.4	70.9	73.4
14.2	72.1	75.9	78.5	81.2
15.4	79.6	83.6	86.3	89
16.5	87.1	91.3	94.1	97

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from UH-46 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

RC-26B Metroliner
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.3*	17.2	17.8	18.5	20.7
5.1	19.8	20.7	22.1	25.2
5.8	22.4	23.4	26.2	30.5
6.6	24.8	26.5	30.4	36.1
7.4	27.2	30.2	34.7	41.8
7.5**	27.5	30.7	35.3	42.6
8.2	29.5	34.1	39.4	48.0
8.9	31.7	38.0	44.8	54.9
9.7	33.9	42.1	50.3	61.7
10.5	36.0	46.2	55.9	68.6
11.2	39.1	50.6	61.6	75.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.3*	15.7	17.3	18.7	20.4
5.1	19.4	21.5	23.3	25.3
5.8	23.3	26.0	28.1	30.4
6.6	27.5	30.6	33.0	35.6
7.4	31.9	35.4	38.1	41.0
7.5**	32.4	36.1	38.8	41.7
8.2	36.4	40.4	43.3	46.4
8.9	41.0	45.4	48.6	51.9
9.7	45.8	50.6	53.9	57.4
10.5	50.7	55.8	59.3	63.0
11.2	55.7	61.1	64.8	68.7

* Minimum operating weight

** Maximum takeoff weight

RC-135M
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
59.0*	128.4	134.8	140.7	151.8
75.3	163.4	173.4	183.8	204.4
91.5	198.8	213.5	229.9	268.2
107.7	234.6	255.4	279.8	339.2
124.0	271.1	299.2	334.4	420.2
136.8**	300.5	335.3	386.5	496.1
140.2	308.5	345.2	400.2	517.5
156.5	346.8	394.1	468.5	629.0
172.7	386.2	446.2	542.6	749.5
189.0	426.8	508.8	630.2	873.8
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
59.0*	123.7	130.4	139.8	156.7
75.3	160.4	174.1	192.1	219.8
91.5	200.1	223.8	252.2	291.1
107.7	243.6	280.3	319.3	368.6
124.0	291.6	343.0	392.5	450.6
136.8**	333.1	396.6	454.2	519.0
140.2	344.8	411.6	471.0	537.8
156.5	403.2	485.4	553.9	628.7
172.7	466.8	563.9	641.0	722.6
189.0	535.2	646.8	731.4	819.9
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

RC-135S Cobra Ball

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.2*	139.6	147.1	154.3	168.0
79.9	173.5	184.7	196.7	220.8
95.6	207.7	223.8	241.9	285.2
111.2	242.4	264.6	291.1	355.4
126.9	277.8	307.2	344.7	436.9
136.8**	300.6	335.3	386.5	496.2
142.5	313.9	352.0	409.6	532.3
158.2	351.0	399.6	476.2	641.4
173.9	389.1	450.1	547.9	758.4
189.5	428.3	511.1	633.6	878.3
205.2	468.8	571.8	726.1	998.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
64.2*	135.3	143.8	155.8	176.2
79.9	171.4	187.7	208.5	239.4
95.6	210.6	237.3	268.4	310.0
111.2	253.5	293.1	334.5	385.8
126.9	300.7	354.8	406.2	465.9
136.8**	333.2	396.7	454.3	519.1
142.5	352.8	421.8	482.5	550.6
158.2	409.8	493.9	563.1	638.8
173.9	471.6	569.8	647.4	729.7
189.5	537.8	649.9	734.7	823.5
205.2	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RC-135U Combat Sent
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
68.3*	148.4	156.7	165.1	181.1
83.5	181.4	193.6	206.9	234.1
98.7	214.7	232.0	251.6	298.9
113.9	248.5	271.9	300.1	368.4
129.2	282.9	313.6	352.9	450.1
136.8**	300.6	335.3	386.5	496.2
144.4	318.2	357.4	417.1	543.9
159.6	354.2	403.8	482.3	651.1
174.8	391.3	453.2	552.6	765.4
190.0	429.5	512.8	636.2	881.8
205.2	468.8	571.8	726.1	998.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
68.3*	144.4	154.7	168.9	191.9
83.5	180.2	198.6	221.7	255.2
98.7	218.9	248.1	281.2	325.0
113.9	261.4	303.4	346.5	399.5
129.2	308.0	364.2	417.0	478.0
136.8**	333.2	396.7	454.3	519.1
144.4	359.1	429.9	491.6	560.8
159.6	415.0	500.3	570.3	646.5
174.8	475.3	574.3	652.4	735.1
190.0	539.8	652.2	737.3	825.9
205.2	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RC-135V Rivet Joint
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.5*	170.4	181.2	192.7	215.7
92.6	201.1	216.2	233.0	272.6
106.6	232.2	252.5	276.2	334.1
120.7	263.7	290.2	323.0	401.9
134.8	295.9	329.5	378.6	483.8
136.8**	300.5	335.3	386.5	496.1
148.9	328.8	370.9	435.9	574.9
163.0	362.4	414.5	497.5	675.9
177.0	396.9	460.7	564.5	782.6
191.1	432.3	517.0	642.6	890.3
205.2	468.8	571.7	726.1	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.5*	168.0	183.5	203.4	233.3
92.6	202.8	227.3	256.3	296.0
106.6	240.5	276.2	314.5	363.1
120.7	281.5	329.9	377.3	433.7
134.8	326.4	388.0	444.2	508.2
136.8**	333.1	396.7	454.2	519.1
148.9	375.2	450.3	514.5	585.8
163.0	428.0	516.3	588.3	665.9
177.0	484.6	585.6	664.8	748.4
191.1	544.7	658.1	743.6	832.7
205.2	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RC-135W Rivet Joint
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.5*	170.4	181.2	192.7	215.8
92.6	201.1	216.2	233.0	272.6
106.6	232.2	252.5	276.2	334.1
120.7	263.7	290.2	323.0	401.9
134.8	295.9	329.6	378.6	483.9
136.8**	300.6	335.3	386.5	496.2
148.9	328.8	370.9	435.9	575.0
163.0	362.4	414.6	497.5	675.9
177.0	396.9	460.8	564.6	782.6
191.1	432.4	517.0	642.6	890.4
205.2	468.8	571.8	726.1	998.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
78.5*	168.0	183.5	203.4	233.3
92.6	202.8	227.3	256.4	296.0
106.6	240.5	276.2	314.6	363.2
120.7	281.5	330.0	377.3	433.8
134.8	326.5	388.0	444.2	508.2
136.8**	333.2	396.7	454.3	519.1
148.9	375.2	450.3	514.6	585.8
163.0	428.1	516.3	588.3	665.9
177.0	484.6	585.7	664.9	748.5
191.1	544.8	658.2	743.7	832.8
205.2	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RQ-4A Global Hawk BLK 10
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.4*	23.8	24.2	25.3	27.4
6.8	30.0	31.1	33.1	37.0
8.2	36.2	38.5	41.4	47.7
9.7	43.0	46.3	50.5	59.6
11.1	50.0	54.4	61.0	72.3
12.1**	55.3	60.5	68.9	81.7
12.5	57.2	62.8	71.8	85.1
13.9	64.7	72.3	83.5	97.8
15.4	72.4	82.9	96.7	110.6
16.8	80.4	93.9	109.8	123.4
18.2	88.7	105.1	122.8	136.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.4*	27.8	29.0	30.1	31.3
6.8	36.7	38.5	39.8	41.4
8.2	46.2	48.3	50.0	51.8
9.7	56.0	58.5	60.4	62.5
11.1	66.2	69.1	71.1	73.4
12.1**	73.9	76.9	79.1	81.5
12.5	76.7	79.8	82.1	84.5
13.9	87.4	90.8	93.2	95.7
15.4	98.3	101.9	104.4	107.1
16.8	109.5	113.2	115.9	118.6
18.2	120.8	124.7	127.5	130.3

* Minimum operating weight

** Maximum takeoff weight

RQ-4B Global Hawk BLK 20
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.9*	66.2	64.5	63.7	63.2
8.6	82.1	80.0	79.0	78.3
10.3	98.0	95.5	94.3	93.5
11.9	113.9	111.0	109.7	108.7
13.6	129.9	126.5	125.0	123.9
14.6**	139.6	136.0	134.4	133.2
15.3	145.8	142.1	140.4	139.1
16.9	161.8	157.6	155.7	154.3
18.6	177.8	173.2	171.1	169.6
20.3	193.8	188.7	186.4	184.8
21.9	209.8	204.3	201.8	200.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.9*	68.2	67.4	66.7	66.1
8.6	84.5	83.4	82.7	81.9
10.3	100.7	99.5	98.5	97.6
11.9	117.0	115.5	114.4	113.4
13.6	133.2	131.6	130.3	129.2
14.6**	143.2	141.3	140.0	138.8
15.3	149.5	147.6	146.2	145.0
16.9	165.7	163.6	162.1	160.7
18.6	182.0	179.7	178.0	176.5
20.3	198.2	195.6	193.9	192.2
21.9	214.5	211.7	209.9	208.1

* Minimum operating weight

** Maximum takeoff weight

RQ-7A/B Shadow 200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.2*	1.2	1.2	1.3	1.3
0.2	1.2	1.2	1.3	1.3
0.2	1.2	1.2	1.3	1.3
0.2	1.2	1.2	1.3	1.3
0.2	1.2	1.2	1.3	1.3
0.2**	1.2	1.2	1.3	1.3
0.2	1.6	1.6	1.6	1.6
0.2	1.6	1.6	1.6	1.6
0.2	1.6	1.6	1.6	1.6
0.2	1.6	1.6	1.6	1.6
0.2	1.8	1.8	1.8	1.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
0.2*	1.0	1.0	1.0	1.1
0.2	1.0	1.0	1.0	1.1
0.2	1.0	1.0	1.0	1.1
0.2	1.0	1.0	1.0	1.1
0.2	1.0	1.0	1.0	1.1
0.2**	1.0	1.0	1.0	1.1
0.2	1.2	1.3	1.3	1.3
0.2	1.2	1.3	1.3	1.3
0.2	1.2	1.3	1.3	1.3
0.2	1.2	1.3	1.3	1.3
0.2	1.4	1.4	1.4	1.5

* Minimum operating weight

** Maximum takeoff weight

S3-B

ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.2*	103.9	102.7	102.2	101.8
14.8	126.2	124.8	124.2	123.7
17.4	148.5	146.9	146.1	145.6
20.0	170.8	169.0	168.1	167.5
22.6	193.2	191.0	190.1	189.4
23.8**	203.2	200.9	199.9	199.2
25.3	215.6	213.1	212.0	211.3
27.9	237.9	235.2	234.0	233.2
30.5	260.3	257.3	256.0	255.1
33.1	282.7	279.4	278.0	277.0
35.7	305.0	301.5	300.0	298.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
12.2*	105.0	104.4	104.0	103.6
14.8	127.5	126.8	126.3	125.8
17.4	150.0	149.1	148.5	148.1
20.0	172.4	171.4	170.8	170.3
22.6	194.9	193.8	193.1	192.4
23.8**	204.9	203.9	203.1	202.3
25.3	217.4	216.2	215.4	214.4
27.9	239.9	238.6	237.8	236.8
30.5	262.4	260.9	260.1	259.1
33.1	284.8	283.3	282.3	281.4
35.7	307.3	305.6	304.6	303.4

* Minimum operating weight

** Maximum takeoff weight

Sabreliner, N265
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	39.6	41.2	41.9	42.3
5.4	47.7	49.5	50.3	50.8
6.4	55.8	57.8	58.6	59.3
7.3	63.8	66	67	67.7
8.2	71.8	74.3	75.4	76.2
8.5**	74.5	77.1	78.2	79.1
9.1	79.7	82.5	83.8	84.7
10	87.7	90.8	92.1	93.1
10.9	95.7	99	100.5	101.6
11.8	103.6	107.2	108.8	110
12.7	111.6	115.5	117.2	118.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	38.7	39.2	39.6	40.1
5.4	46.5	47.2	47.7	48.2
6.4	54.3	55.1	55.7	56.3
7.3	62.1	63.2	63.8	64.5
8.2	70	71.1	71.8	72.6
8.5**	72.7	73.8	74.6	75.3
9.1	77.9	79.1	79.9	80.8
10	85.7	87	87.9	88.8
10.9	93.5	95	96	97
11.8	101.4	103	104	105.1
12.7	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Sea Harrier, FA2/FRS Mk1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.7*	30.5	34.4	38.5	43.4
8.4	36.1	44	49.7	56.6
10.1	43.6	54.1	61.7	73.1
11.8	51.4	64.7	74.3	90.6
13.4	59.6	75.9	88.5	110.1
14.5**	65.1	83.5	99.7	122.9
15.1	68.1	87.5	105.6	129.6
16.8	77	99.6	123.2	149
18.4	86.1	114.1	142.6	168.4
20.1	96	131.1	162.3	187.9
21.8	106.1	148.5	181.9	207.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.7*	34.2	38.4	41.7	45.1
8.4	45.6	51.2	55.2	59.2
10.1	57.8	64.6	69.2	73.6
11.8	70.7	78.5	83.6	88.3
13.4	84.2	92.8	98.2	103
14.5**	93.2	102.3	107.8	112.9
15.1	98	107.3	113	118.1
16.8	112.2	122.1	128	133.3
18.4	126.7	137.1	143.1	148.6
20.1	141.5	152.2	158.4	164.2
21.8	156.4	167.5	173.9	179.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from AV-8 Harrier which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Sentry AEW MK1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.0*	191.8	200.2	213.1	246.1
98.2	230.7	244.2	266.3	318.3
114.4	270.4	290.5	325.3	406.4
130.6	311.2	340.8	390.8	507.4
146.7	353.2	394.8	463.0	627.7
151.8**	366.7	412.5	489.1	666.6
162.9	396.6	453.0	548.9	753.4
179.1	441.6	515.9	642.2	880.1
195.3	489.2	583.1	748.7	1007.5
211.5	539.0	659.9	869.5	1136.8
227.7	591.2	745.7	997.2	1267.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
82.0*	196.2	217.1	241.6	274.9
98.2	244.5	277.9	312.1	355.1
114.4	298.2	345.5	389.2	440.5
130.6	357.9	419.0	471.7	530.8
146.7	423.1	498.2	558.9	625.0
151.8**	444.7	523.7	587.1	655.3
162.9	493.8	581.8	650.0	722.5
179.1	569.5	669.9	744.9	823.3
195.3	649.7	761.5	842.5	927.2
211.5	734.3	856.2	943.4	1033.3
227.7	822.5	954.1	1047.1	1141.9

* Minimum operating weight

** Maximum takeoff weight

Shorts Sherpa, SHD3
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	47.5	57.8	62.2	65.3
8.9	53.6	64.9	69.9	73.4
9.9	59.6	72.1	77.5	81.4
10.8	65.5	79.1	85.1	89.5
11.2	67.4	81.4	87.6	92.1
11.8**	71.4	86.2	92.7	97.5
12.8	77.2	93.2	100.3	105.5
13.8	83	100.2	107.9	113.5
14.8	88.8	107.2	115.5	121.5
15.8	94.5	114.2	123	129.5
16.7	100.2	121.2	130.6	137.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
7.9*	46.2	49.7	52	54.3
8.9	52.2	56.1	58.7	61.3
9.9	58.2	62.6	65.5	68.3
10.8	64.3	69.1	72.2	75.2
11.2	66.2	71.2	74.4	77.5
11.8**	70.3	75.6	78.9	82.3
12.8	76.3	82	85.6	89.2
13.8	82.4	88.5	92.4	96.2
14.8	88.4	94.9	99.1	103.1
15.8	94.4	101.4	105.8	110.1
16.7	100.5	107.8	112.5	117.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-23 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Space Shuttle Orbiter
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.7*	404.1	414.8	443.8	488.2
93.6	444.3	459.6	494.6	549.1
101.5	485.1	507.6	546.6	611.1
104.3	500.2	525.3	565.8	633.6
109.3	526.7	556.4	599.8	673.5
117.2**	569.2	606.3	654.4	738.9
125.0	612.5	657.3	714.5	804.8
132.9	656.7	709.4	776.2	872.7
140.8	701.9	762.5	839.0	941.4
148.6	749.3	816.4	901.7	1010.4
156.5	798.7	871.3	967.3	1079.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
85.7*	524.8	538.8	549.6	561.6
93.6	581.7	596.9	608.0	621.1
101.5	639.7	655.5	667.3	680.8
104.3	661.1	677.1	689.2	702.8
109.3	698.6	715.0	727.3	741.1
117.2**	757.8	775.2	788.1	802.3
125.0	818.1	836.3	849.1	864.0
132.9	879.0	897.4	911.0	926.1
140.8	940.8	959.5	973.4	989.0
148.6	1002.7	1022.1	1036.3	1051.9
156.5	1065.5	1085.3	1099.6	1115.1

* Minimum operating weight

** Maximum takeoff weight

T-1A Jayhawk
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.0*	36.5	40.3	41.9	43.0
5.7	41.6	45.7	47.5	48.7
6.3	46.6	51.1	53.1	54.4
7.0	51.6	56.5	58.6	60.1
7.3	54.1	59.1	61.3	62.9
7.6**	56.6	61.9	64.2	65.8
8.3	61.5	67.2	69.7	71.5
9.0	66.5	72.5	75.2	77.2
9.6	71.4	77.9	80.8	82.8
10.3	76.3	83.2	86.3	88.5
11.0	81.1	88.5	91.8	94.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.0*	35.0	36.3	37.2	38.2
5.7	39.8	41.3	42.3	43.4
6.3	44.6	46.3	47.4	48.6
7.0	49.4	51.3	52.5	53.8
7.3	51.7	53.7	55.0	56.3
7.6**	54.2	56.2	57.6	59.0
8.3	59.0	61.2	62.7	64.2
9.0	63.8	66.2	67.8	69.4
9.6	68.5	71.2	72.9	74.6
10.3	73.3	76.2	78.0	79.8
11.0	78.1	81.1	83.1	85.1

* Minimum operating weight

** Maximum takeoff weight

T-2C
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.6*	32.0	32.9	33.5	33.9
4.3	37.9	39.4	40.0	40.5
5.1	44.2	45.9	46.6	47.1
5.8	50.5	52.4	53.2	53.7
6.5	56.8	58.8	59.7	60.4
6.7**	58.7	60.8	61.7	62.3
7.2	63.0	65.3	66.3	67.0
7.9	69.3	71.7	72.8	73.6
8.6	75.5	78.2	79.4	80.2
9.3	81.8	84.6	85.9	86.8
10.0	88.0	91.1	92.4	93.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.6*	30.8	31.3	31.6	32.0
4.3	37.0	37.5	37.9	38.4
5.1	43.1	43.7	44.2	44.7
5.8	49.2	49.9	50.5	51.0
6.5	55.3	56.2	56.8	57.4
6.7**	57.1	58.0	58.6	59.3
7.2	61.4	62.4	63.1	63.8
7.9	67.6	68.6	69.3	70.1
8.6	73.7	74.9	75.6	76.4
9.3	79.9	81.1	81.9	82.8
10.0	86.0	87.3	88.2	89.1

* Minimum operating weight

** Maximum takeoff weight

T-6A Texan II
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.6	19.6	19.6	19.6
2.5	21.8	21.7	21.7	21.7
2.7	23.9	23.9	23.8	23.8
2.9	25.8	25.8	25.7	25.7
3.0	26.0	26.0	25.9	25.9
3.2**	28.1	28.1	28.0	28.0
3.5	30.3	30.2	30.2	30.1
3.7	32.4	32.3	32.3	32.2
3.9	34.5	34.4	34.4	34.3
4.2	36.7	36.5	36.5	36.4
4.4	38.8	38.7	38.6	38.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	19.8	19.8	19.7	19.7
2.5	21.9	21.9	21.9	21.9
2.7	24.0	24.0	24.0	24.0
2.9	26.0	25.9	25.9	25.9
3.0	26.2	26.1	26.1	26.1
3.2**	28.3	28.3	28.2	28.2
3.5	30.4	30.4	30.3	30.3
3.7	32.6	32.5	32.5	32.4
3.9	34.7	34.6	34.6	34.6
4.2	36.8	36.7	36.7	36.7
4.4	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

T-34C
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.0*	8.0	8.2	8.3	8.5
1.2	9.4	9.7	9.9	10.1
1.4	10.8	11.1	11.3	11.6
1.6	12.0	12.4	12.8	13.1
1.9	13.2	13.7	14.1	14.5
2.0**	13.7	14.3	14.7	15.2
2.1	14.3	15.0	15.4	16.2
2.3	15.4	16.1	16.7	18.1
2.5	16.4	17.3	17.9	20.0
2.7	17.4	18.4	19.1	21.8
2.9	18.3	19.4	20.6	23.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.0*	6.0	6.1	6.2	6.3
1.2	6.9	7.1	7.2	7.4
1.4	7.7	8.0	8.1	8.4
1.6	8.5	8.8	9.1	9.3
1.9	9.3	9.7	9.9	10.3
2.0**	9.6	10.0	10.3	10.7
2.1	10.0	10.5	10.8	11.2
2.3	10.7	11.2	11.6	12.0
2.5	11.4	12.0	12.4	12.9
2.7	12.1	12.7	13.2	14.0
2.9	12.7	13.4	13.9	15.4

* Minimum operating weight

** Maximum takeoff weight

T-37B Tweet
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.0*	15.7	15.9	16.1	16.4
2.3	18.0	18.3	18.5	19.2
2.6	20.2	20.5	21.0	21.9
3.0	22.3	22.9	23.7	24.7
3.3	24.3	24.9	26.3	27.3
3.3**	24.3	24.9	26.3	27.3
3.6	26.5	27.5	29.1	30.1
3.9	28.3	30.1	31.7	32.8
4.3	30.3	32.7	34.4	35.5
4.6	32.2	35.3	37.0	38.2
4.9	34.0	37.8	39.7	40.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.0*	13.1	13.3	13.4	13.7
2.3	14.8	15.2	15.6	16.1
2.6	16.8	17.5	18.0	18.5
3.0	19.0	19.7	20.3	20.9
3.3	21.0	21.9	22.5	23.2
3.3**	21.0	21.9	22.5	23.2
3.6	23.3	24.3	25.0	25.8
3.9	25.4	26.5	27.4	28.2
4.3	27.6	28.8	29.7	30.6
4.6	29.8	31.1	32.1	33.0
4.9	32.0	33.4	34.4	35.5

* Minimum operating weight

** Maximum takeoff weight

T-38 A/C Talon
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	34.9	34.1	33.8	33.6
4.4	40.4	39.6	39.2	38.9
5.0	45.9	45.0	44.6	44.3
5.6	51.4	50.4	49.9	49.6
6.1	56.4	55.3	54.8	54.5
6.2**	56.9	55.8	55.3	55.0
6.8	62.4	61.2	60.7	60.3
7.4	68.0	66.7	66.1	65.7
8.0	73.5	72.1	71.5	71.1
8.6	79.0	77.6	76.9	76.4
9.2	84.6	83.0	82.3	81.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.8*	35.6	35.3	35.1	34.9
4.4	41.2	40.9	40.6	40.3
5.0	46.8	46.5	46.2	45.8
5.6	52.5	52.1	51.7	51.3
6.1	57.6	57.1	56.7	56.3
6.2**	58.1	57.6	57.2	56.8
6.8	63.7	63.2	62.8	62.3
7.4	69.4	68.8	68.3	67.8
8.0	75.0	74.3	73.8	73.3
8.6	80.6	79.9	79.4	78.9
9.2	86.3	85.5	84.9	84.3

* Minimum operating weight

** Maximum takeoff weight

T-39A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	39.6	41.2	41.9	42.3
5.4	47.7	49.5	50.3	50.8
6.4	55.8	57.8	58.6	59.3
7.3	63.8	66.0	67.0	67.7
8.2	71.8	74.3	75.4	76.2
8.5**	74.5	77.1	78.2	79.1
9.1	79.7	82.5	83.8	84.7
10.0	87.7	90.8	92.1	93.1
10.9	95.7	99.0	100.5	101.6
11.8	103.6	107.2	108.8	110.0
12.7	111.6	115.5	117.2	118.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.5*	38.7	39.2	39.6	40.1
5.4	46.5	47.2	47.7	48.2
6.4	54.3	55.1	55.7	56.3
7.3	62.1	63.2	63.8	64.5
8.2	70.0	71.1	71.8	72.6
8.5**	72.7	73.8	74.6	75.3
9.1	77.9	79.1	79.9	80.8
10.0	85.7	87.0	87.9	88.8
10.9	93.5	95.0	96.0	97.0
11.8	101.4	103.0	104.0	105.1
12.7	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

T-43A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
27.4*	115.8	122.1	127.9	136.5
33.1	139.9	148.9	157.1	170.1
38.7	164.4	176.4	187.4	207.2
44.4	189.2	204.7	219.3	247.7
50.0	214.6	233.8	252.7	288.9
52.2**	224.3	245.1	265.9	304.7
55.7	240.4	263.8	289.2	331.0
61.3	266.8	294.9	329.0	374.8
67.0	293.7	327.2	370.1	422.8
72.6	321.2	360.6	411.5	472.4
78.2	349.3	398.1	453.7	525.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
27.4*	134.9	144.1	151.0	158.7
33.1	168.7	180.1	188.5	197.6
38.7	203.9	217.4	227.2	237.5
44.4	240.4	255.9	267.1	278.7
50.0	278.0	295.4	307.6	320.3
52.2**	292.5	310.6	323.4	336.3
55.7	316.8	335.8	349.2	362.7
61.3	356.3	377.0	391.4	406.2
67.0	396.7	419.0	434.2	449.5
72.6	437.8	461.5	477.7	493.9
78.2	479.7	504.8	521.6	538.9

* Minimum operating weight

** Maximum takeoff weight

T-44A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.9*	17.6	18.7	19.6	22.7
3.3	19.2	20.6	22.8	26.1
3.7	20.7	22.3	25.9	29.4
4.1	22.0	23.9	29.0	32.7
4.4	22.9	24.9	31.0	34.9
4.5**	23.3	25.6	32.0	36.0
4.9	24.4	28.4	35.0	39.2
5.3	25.5	31.1	37.9	42.5
5.7	26.5	33.7	40.8	45.7
6.1	27.4	36.2	43.7	48.9
6.5	28.3	38.7	46.6	52.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.9*	12.1	12.7	13.3	14.3
3.3	13.1	13.9	15.0	16.9
3.7	14.1	15.4	17.4	19.5
4.1	15.0	17.5	19.8	22.1
4.4	15.6	19.0	21.4	23.8
4.5**	16.2	19.7	22.2	24.7
4.9	18.0	21.9	24.6	27.3
5.3	19.8	24.0	27.0	29.9
5.7	21.6	26.2	29.4	32.4
6.1	23.5	28.4	31.8	35.0
6.5	25.3	30.6	34.2	37.6

* Minimum operating weight

** Maximum takeoff weight

T-45A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.3*	33.4	36.3	37.8	38.8
4.9	37.8	41.7	43.3	44.5
5.5	42.8	47.0	48.8	50.1
6.1	47.8	52.4	54.4	55.8
6.6	51.4	56.2	58.3	59.8
6.8**	52.7	57.7	59.9	61.4
7.4	57.7	63.0	65.4	67.0
8.0	62.6	68.3	70.9	72.7
8.6	67.4	73.6	76.3	78.3
9.2	72.3	78.9	81.8	83.9
9.9	77.2	84.2	87.3	89.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
4.3*	31.5	32.6	33.5	34.3
4.9	36.2	37.6	38.5	39.5
5.5	41.0	42.5	43.5	44.6
6.1	45.7	47.4	48.6	49.8
6.6	49.1	51.0	52.2	53.5
6.8**	50.4	52.4	53.7	55.0
7.4	55.2	57.3	58.7	60.2
8.0	60.0	62.3	63.8	65.3
8.6	64.7	67.2	68.8	70.4
9.2	69.5	72.1	73.9	75.6
9.9	74.2	77.1	78.9	80.8

* Minimum operating weight

** Maximum takeoff weight

**Tornado GR MK1
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.7*	140.8	136.8	134.9	133.6
17.0	174.2	169.1	166.8	165.2
20.2	207.6	201.5	198.7	196.8
23.4	241.0	233.9	230.7	228.4
26.7	274.4	266.3	262.6	260.0
28.6**	294.0	285.2	281.3	278.5
29.9	307.9	298.7	294.6	291.6
33.1	341.4	331.1	326.6	323.2
36.4	374.9	363.6	358.6	354.9
39.6	408.4	396.1	390.5	386.5
42.8	441.9	428.5	422.6	418.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
13.7*	145.0	142.9	141.4	140.0
17.0	179.0	176.4	174.6	172.9
20.2	213.0	209.8	207.7	205.6
23.4	247.1	243.4	240.9	238.5
26.7	281.1	277.0	274.1	271.5
28.6**	301.0	296.5	293.5	290.5
29.9	315.2	310.5	307.3	304.2
33.1	349.1	344.0	340.5	337.0
36.4	383.1	377.5	373.7	369.9
39.6	417.1	411.1	406.9	402.8
42.8	451.1	444.5	440.1	435.7

* Minimum operating weight

** Maximum takeoff weight

**Tornado GR MK2-F MK3
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.2*	144.1	140.7	139.2	138.0
17.1	173.2	169.0	167.1	165.8
19.9	202.2	197.3	195.1	193.6
22.8	231.3	225.7	223.1	221.3
25.6	260.3	254.0	251.1	249.1
26.6**	270.1	263.5	260.6	258.5
28.5	289.4	282.3	279.2	276.9
31.3	318.5	310.7	307.2	304.7
34.2	347.7	339.1	335.2	332.5
37.0	376.8	367.5	363.3	360.3
39.9	405.9	395.8	391.3	388.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
14.2*	147.5	145.7	144.5	143.3
17.1	176.9	174.8	173.4	172.0
19.9	206.3	203.9	202.2	200.6
22.8	235.9	233.2	231.1	229.1
25.6	265.4	262.2	260.1	257.9
26.6**	275.3	272.0	269.7	267.7
28.5	294.8	291.4	288.9	286.4
31.3	324.2	320.5	317.8	315.1
34.2	353.7	349.6	346.7	343.8
37.0	383.1	378.7	375.6	372.4
39.9	412.6	407.7	404.5	401.5

* Minimum operating weight

** Maximum takeoff weight

Tristar K MK1-KC MK1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
109.5*	253.8	256.2	262.3	281.1
138.2	320.2	326.0	338.8	378.6
167.0	387.3	398.0	422.1	492.0
195.8	455.2	473.2	513.4	622.5
224.6	523.9	552.6	616.3	773.7
245.6**	575.0	614.0	697.9	897.2
253.3	593.9	637.2	729.1	943.8
282.1	665.4	727.2	853.3	1129.4
310.9	738.7	826.3	989.1	1327.6
339.7	814.3	931.9	1144.7	1532.8
368.4	893.1	1045.0	1312.1	1753.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
109.5*	244.6	259.5	280.3	313.4
138.2	317.1	347.3	383.1	433.2
167.0	397.5	446.7	498.5	565.4
195.8	486.4	557.4	625.2	707.3
224.6	584.1	678.1	761.8	858.0
245.6**	661.9	772.3	866.7	972.7
253.3	691.6	808.6	906.2	1015.7
282.1	807.1	946.7	1058.4	1179.2
310.9	931.7	1092.7	1216.5	1348.6
339.7	1063.5	1245.0	1380.4	1523.0
368.4	1202.9	1403.1	1549.6	1701.3

* Minimum operating weight

** Maximum takeoff weight

Tristart L1011-1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
108.9*	243.3	248.9	256.4	275.7
129.4	288.8	297.4	309.3	342.2
150	334.5	346.7	365.2	417.6
170.6	380.5	397.3	425.1	500.8
191.1	427	449.5	489	592.8
196**	438	462.1	504.7	615.8
211.7	474	503.6	559	693.8
232.2	521.4	560.3	634	809.1
252.8	569.4	619.7	714.3	930.9
273.4	618.2	681.7	800.5	1060
293.9	667.9	748.1	892.6	1199.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
108.9*	231.7	247.1	268.4	302.1
129.4	280.1	306	338.2	384.5
150	332	371	414.8	473.6
170.6	388.1	441.8	497.6	568.8
191.1	448.6	518.6	586.6	669.1
196**	463.4	537.3	608.3	693.1
211.7	513.5	600.7	680.2	773
232.2	583.1	687.8	778.8	881.9
252.8	657.8	779.9	881.2	993.9
273.4	736.8	876	987.7	1109
293.9	820.4	975.9	1097.4	1227

* Minimum operating weight

** Maximum takeoff weight

Tristar L1011-100/200
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
111*	248	253.9	261.7	282.3
134	299	308.3	321.6	358
157.1	350.3	364	385.4	445.4
180.1	402.1	421.5	454.3	542.5
203.2	454.6	481	528.5	650.8
212.3**	475.4	505.2	561.1	697.1
226.2	507.5	543.5	611.5	774.7
249.3	561.2	609.3	700.2	909.6
272.3	615.7	678.5	796	1053.1
295.4	671.4	753	899.3	1209.5
318.4	728.3	832.3	1011.6	1371

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
111*	236.6	252.9	275.2	310.2
134	291.4	320.1	354.8	404.3
157.1	350.9	394.7	442.7	505.8
180.1	415.7	476.8	538.4	614.9
203.2	486.1	566	640.8	729.7
212.3**	515.5	603.2	683	776.2
226.2	562.6	662	749.7	849.8
249.3	644.7	763.4	863.3	974.3
272.3	732.7	870.8	982.2	1103.1
295.4	826.5	983.1	1105.3	1235.4
318.4	925.9	1100.2	1232.5	1371.2

* Minimum operating weight

** Maximum takeoff weight

Typhoon (Eurofighter)
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.6*	171.8	166.0	163.3	161.5
18.7	193.3	186.8	183.8	181.7
20.7	214.9	207.6	204.3	202.0
22.8	236.5	228.4	224.8	222.2
23.5	243.7	235.3	231.6	228.9
24.9**	258.2	249.3	245.3	242.5
27.0	279.8	270.1	265.8	262.7
29.0	301.4	291.0	286.4	283.0
31.1	323.1	311.9	306.9	303.3
33.2	344.7	332.8	327.4	323.5
35.3	366.4	353.7	348.0	343.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
16.6*	177.5	174.5	172.3	170.4
18.7	199.6	196.2	193.8	191.6
20.7	221.6	217.8	215.3	212.8
22.8	243.7	239.6	236.7	233.9
23.5	251.1	246.7	243.7	240.9
24.9**	265.8	261.3	258.2	255.2
27.0	287.9	283.0	279.6	276.3
29.0	310.0	304.6	301.0	297.5
31.1	332.1	326.3	322.5	318.7
33.2	354.2	348.0	343.9	339.9
35.3	376.3	369.7	365.4	361.2

* Minimum operating weight

** Maximum takeoff weight

U-2S
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.1*	92.7	98.7	110.9	130.1
11.1	116.6	127.2	147.9	168.1
13.1	142.0	162.7	187.5	206.4
15.1	169.0	200.7	227.0	244.9
17.1	200.1	242.0	266.5	283.4
18.1**	218.7	262.6	286.3	302.7
19.2	237.6	283.1	306.1	322.0
21.2	276.3	324.3	345.8	360.7
23.2	319.3	365.4	385.4	399.5
25.2	363.8	406.5	425.1	438.6
27.2	408.1	447.6	464.8	477.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
9.1*	124.9	128.4	130.8	133.7
11.1	158.5	162.3	165.2	168.2
13.1	193.2	197.3	200.3	203.5
15.1	228.9	233.2	236.2	239.5
17.1	265.5	269.8	272.8	276.1
18.1**	284.0	288.3	291.3	294.6
19.2	302.7	307.0	310.0	313.4
21.2	340.6	344.6	347.8	350.9
23.2	379.0	383.0	385.9	389.0
25.2	418.1	421.8	424.5	427.6
27.2	457.5	460.9	463.3	466.1

* Minimum operating weight

** Maximum takeoff weight

U-27A (C-208) Cessna Caravan
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.1*	15.4	15.8	16.1	16.7
2.5	18.0	18.6	19.0	20.4
2.9	20.4	21.2	22.4	24.0
3.4	22.7	23.6	25.9	27.6
3.8	24.8	26.4	29.3	31.2
4.0**	25.6	27.7	30.7	32.6
4.2	26.9	29.7	32.7	34.7
4.7	28.8	32.9	36.1	38.3
5.1	30.7	36.0	39.5	41.8
5.5	32.4	39.2	42.8	45.3
6.0	34.1	42.3	46.2	48.9

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.1*	11.8	12.1	12.3	12.6
2.5	13.6	14.0	14.5	15.3
2.9	15.4	16.4	17.3	18.3
3.4	17.7	19.1	20.1	21.3
3.8	20.1	21.8	23.0	24.3
4.0**	21.1	22.8	24.1	25.5
4.2	22.6	24.5	25.8	27.3
4.7	25.1	27.2	28.7	30.3
5.1	27.6	29.9	31.6	33.3
5.5	30.1	32.6	34.4	36.3
6.0	32.6	35.3	37.3	39.3

* Minimum operating weight

** Maximum takeoff weight

U-28A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.7*	17.8	18.6	19.2	21.3
3.2	20.2	21.2	23.0	25.4
3.6	22.3	23.7	26.9	29.4
4.1	24.3	26.4	30.7	33.5
4.6	26.1	30.0	34.5	37.4
4.7**	26.5	30.7	35.2	38.3
5.1	27.9	33.4	38.2	41.4
5.6	29.5	36.8	41.9	45.4
6.1	31.0	40.1	45.5	49.3
6.6	32.3	43.4	49.2	53.3
7.1	33.6	46.7	52.8	57.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.7*	12.8	13.3	13.8	14.7
3.2	14.4	15.4	16.6	18.0
3.6	16.2	18.2	19.7	21.2
4.1	18.7	21.0	22.7	24.5
4.6	21.2	23.8	25.8	27.8
4.7**	21.7	24.4	26.4	28.4
5.1	23.7	26.7	28.8	31.0
5.6	26.2	29.6	31.9	34.3
6.1	28.8	32.4	35.0	37.5
6.6	31.3	35.3	38.1	40.8
7.1	33.9	38.2	41.1	44.0

* Minimum operating weight

** Maximum takeoff weight

UAV Warrior ERMP
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.5*	9.0	9.3	9.6	9.8
1.6	9.6	9.9	10.2	10.5
1.6	9.9	10.3	10.6	10.9
1.7	10.1	10.5	10.8	11.1
1.8	10.6	11.0	11.3	11.7
1.9**	11.1	11.5	11.9	12.3
2.0	11.6	12.1	12.5	12.9
2.1	12.0	12.6	13.0	13.5
2.2	12.5	13.1	13.6	14.1
2.3	12.9	13.6	14.1	14.6
2.4	13.3	14.0	14.6	15.2

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.5*	6.3	6.5	6.7	6.9
1.6	6.7	6.9	7.1	7.3
1.6	6.9	7.1	7.3	7.5
1.7	7.0	7.2	7.4	7.6
1.8	7.3	7.6	7.8	8.0
1.9**	7.6	7.9	8.1	8.4
2.0	7.9	8.2	8.5	8.8
2.1	8.2	8.5	8.8	9.1
2.2	8.5	8.8	9.1	9.5
2.3	8.7	9.1	9.4	9.8
2.4	9.0	9.4	9.8	10.2

* Minimum operating weight

** Maximum takeoff weight

UH-1
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	10.4	10.5	10.6	10.7
2.9	13.1	13.2	13.4	13.5
3.5	15.7	15.9	16.1	16.3
4.1	18.2	18.5	18.7	19.4
4.7	20.6	21.1	21.5	22.4
5.2**	22.5	23.0	23.9	24.8
5.3	23.0	23.5	24.5	25.4
6.0	25.2	26.0	27.4	28.4
6.6	27.5	28.9	30.3	31.3
7.2	29.6	31.7	33.2	34.3
7.8	31.7	34.5	36.1	37.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.2*	9.0	9.1	9.2	9.3
2.9	11.1	11.3	11.4	11.5
3.5	13.2	13.4	13.5	13.8
4.1	15.1	15.6	16.0	16.4
4.7	17.4	18.1	18.5	19.1
5.2**	19.3	20.1	20.6	21.2
5.3	19.8	20.5	21.1	21.7
6.0	22.2	23.1	23.7	24.4
6.6	24.6	25.6	26.3	27.1
7.2	27.0	28.1	28.9	29.7
7.8	29.4	30.6	31.5	32.4

* Minimum operating weight

** Maximum takeoff weight

**UH-1H/V Huey
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.4*	11.0	11.1	11.2	11.3
2.8	13.0	13.1	13.2	13.3
3.3	14.9	15.0	15.2	15.4
3.7	16.7	17.0	17.2	17.6
4.2	18.5	18.9	19.1	19.8
4.3**	19.0	19.4	19.6	20.4
4.6	20.3	20.7	21.2	22.0
5.1	22.1	22.5	23.4	24.2
5.6	23.8	24.3	25.5	26.4
6.0	25.4	26.2	27.7	28.6
6.5	27.1	28.3	29.8	30.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.4*	9.5	9.6	9.7	9.7
2.8	11.0	11.2	11.3	11.4
3.3	12.5	12.7	12.8	13.0
3.7	14.0	14.2	14.5	14.9
4.2	15.4	15.9	16.3	16.8
4.3**	15.9	16.4	16.8	17.3
4.6	17.1	17.7	18.2	18.8
5.1	18.9	19.6	20.1	20.7
5.6	20.6	21.4	22.0	22.7
6.0	22.4	23.2	23.9	24.6
6.5	24.1	25.1	25.8	26.6

* Minimum operating weight

** Maximum takeoff weight

**UH-1N Twin Huey
ACR, Metric Units**

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.7*	12.6	12.7	12.8	12.9
3.2	14.6	14.8	14.9	15.1
3.7	16.6	16.9	17.1	17.5
4.2	18.6	18.9	19.1	19.9
4.7	20.5	20.9	21.4	22.2
4.8**	20.7	21.2	21.8	22.6
5.2	22.4	22.9	23.7	24.6
5.7	24.2	24.8	26.1	27.0
6.2	26.0	26.9	28.4	29.3
6.7	27.8	29.2	30.7	31.7
7.1	29.4	31.4	33.0	34.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
2.7*	10.7	10.8	10.9	11.0
3.2	12.3	12.5	12.6	12.8
3.7	13.9	14.1	14.4	14.7
4.2	15.5	16.0	16.4	16.8
4.7	17.3	17.9	18.4	19.0
4.8**	17.6	18.2	18.7	19.3
5.2	19.2	19.9	20.5	21.1
5.7	21.1	21.9	22.5	23.2
6.2	23.0	23.9	24.5	25.3
6.7	24.9	25.9	26.6	27.4
7.1	26.8	27.8	28.6	29.5

* Minimum operating weight

** Maximum takeoff weight

UH-46
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.1*	21.8	22.6	24.3	28.2
7.2	25.7	27.1	30.5	35.6
8.4	29.6	32.5	37.2	44.5
9.5	33.4	38.2	44.1	53.3
10.7	37.4	44.6	51.7	62.1
11.0**	38.7	46.4	54.1	64.4
11.9	42.3	51.3	60.7	70.8
13.0	47.4	58.2	69.6	79.6
14.2	52.7	65.2	78.5	88.3
15.4	58.9	73.9	87.4	97.1
16.5	65.2	83.1	96.3	105.8

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.1*	24.5	26.2	27.6	29.1
7.2	30.7	32.8	34.4	36.1
8.4	37.1	39.5	41.4	43.4
9.5	43.7	46.5	48.6	50.7
10.7	50.6	53.7	55.9	58.2
11.0**	52.4	55.6	57.9	60.2
11.9	57.6	61.0	63.3	65.8
13.0	64.8	68.4	70.9	73.4
14.2	72.1	75.9	78.5	81.2
15.4	79.6	83.6	86.3	89.0
16.5	87.1	91.3	94.1	97.0

* Minimum operating weight

** Maximum takeoff weight

UH-60
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.4*	0.0	0.0	0.0	0.1
6.1	0.0	0.0	0.0	0.1
6.7	0.0	0.0	0.0	0.1
7.3	0.0	0.0	0.0	0.1
7.4	0.0	0.0	0.0	0.1
8.0**	0.0	0.0	0.0	0.1
8.6	0.0	0.0	0.0	0.1
9.2	0.0	0.0	0.0	0.1
9.8	0.0	0.0	0.0	0.1
10.5	0.0	0.0	0.0	0.1
11.1	0.0	0.0	0.0	0.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
5.4*	35.9	37.1	37.9	38.9
6.1	40.1	41.5	42.4	43.4
6.7	44.3	45.9	46.9	48.0
7.3	48.6	50.3	51.4	52.6
7.4	49.0	50.8	51.9	53.1
8.0**	52.8	54.7	55.9	57.2
8.6	57.1	59.1	60.4	61.8
9.2	61.3	63.5	64.9	66.4
9.8	65.6	67.9	69.4	70.9
10.5	69.8	72.3	73.9	75.5
11.1	74.1	76.7	78.4	80.1

* Minimum operating weight

** Maximum takeoff weight

UH-72 Lakota
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.8*	13.9	14.0	14.0	14.0
2.2	17.1	17.1	17.1	17.2
2.6	20.2	20.2	20.3	20.4
3.0	23.2	23.3	23.4	23.6
3.4	26.2	26.4	26.6	26.8
3.6**	27.9	28.1	28.3	28.4
3.8	29.4	29.6	29.8	29.9
4.2	32.3	32.7	33.0	33.1
4.6	35.3	35.9	36.1	36.3
5.0	38.4	39.0	39.3	39.5
5.4	41.6	42.2	42.5	42.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
1.8*	13.5	13.5	13.6	13.6
2.2	16.5	16.6	16.7	16.7
2.6	19.6	19.7	19.8	19.9
3.0	22.6	22.8	22.9	23.0
3.4	25.7	25.9	26.0	26.1
3.6**	27.3	27.5	27.6	27.7
3.8	28.8	29.0	29.1	29.2
4.2	31.9	32.1	32.2	32.3
4.6	34.9	35.1	35.3	35.5
5.0	38.0	38.2	38.4	38.6
5.4	41.1	41.3	41.5	41.7

* Minimum operating weight

** Maximum takeoff weight

V-22
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.9*	64.6	75.3	83.7	95.9
23.1	72.0	84.6	95.0	109.1
25.4	79.5	94.1	106.8	125.1
27.4	86.6	103.0	118.0	139.9
27.6	87.2	103.8	119.0	141.3
29.9**	95.1	114.4	131.6	158.3
32.1	103.1	125.5	144.5	175.6
34.4	111.2	136.9	158.3	192.9
36.7	119.6	148.6	174.4	210.3
38.9	128.1	160.6	190.7	227.6
41.2	136.9	172.9	207.8	245.0

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
20.9*	83.2	91.5	97.3	103.2
23.1	94.8	103.9	110.3	116.7
25.4	106.8	116.7	123.5	130.4
27.4	118.0	128.6	135.9	143.1
27.6	119.0	129.7	137.1	144.3
29.9**	131.5	143.0	150.7	158.4
32.1	144.2	156.4	164.6	172.6
34.4	157.2	170.0	178.6	187.0
36.7	170.5	183.8	192.7	201.4
38.9	183.8	197.8	207.0	216.2
41.2	197.3	211.9	221.4	230.8

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK2
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.9*	140.1	151.6	161.6	179.3
84.3	173.7	190.4	206.3	239.8
100.6	207.7	231.0	254.8	307.5
116.9	242.5	273.7	311.2	389.4
133.2	278.1	318.7	371.6	482.5
143.2**	300.3	347.6	411.2	549.2
149.5	314.7	369.3	439.2	594.6
165.9	352.4	422.3	518.1	714.3
182.2	391.5	479.3	603.3	836.1
198.5	432.0	540.3	701.4	958.8
214.8	474.2	612.9	812.8	1083.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
67.9*	137.9	148.3	162.3	185.9
84.3	174.7	193.8	217.9	252.9
100.6	214.9	245.9	281.2	327.6
116.9	259.2	304.8	351.4	407.5
133.2	308.3	370.1	427.3	492.2
143.2**	340.9	412.9	476.1	546.2
149.5	362.7	441.1	507.9	581.2
165.9	422.8	517.0	593.1	673.8
182.2	487.8	597.8	681.9	770.2
198.5	558.6	682.5	773.8	867.8
214.8	633.3	770.6	868.7	969.2

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK3
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
70.9*	150.6	161.2	171.4	190.6
88.5	188.0	204.2	220.9	258.2
106.1	226.2	249.3	277.1	335.8
123.7	265.2	296.9	338.9	428.2
141.2	305.3	347.5	407.1	537.3
152.7**	332.2	385.5	457.8	619.1
158.8	346.7	405.4	487.0	663.5
176.4	389.6	465.8	576.3	794.2
193.9	434.1	530.9	675.8	926.3
211.5	480.4	605.3	791.9	1060.3
229.1	532.9	688.7	920.6	1196.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
70.9*	149.1	160.5	176.0	201.0
88.5	190.9	212.4	238.8	276.0
106.1	236.9	271.9	310.1	358.8
123.7	287.9	339.2	388.9	447.6
141.2	345.1	413.3	473.8	541.3
152.7**	385.9	465.3	532.1	605.3
158.8	408.5	493.9	563.9	639.8
176.4	478.1	579.4	658.6	742.5
193.9	553.6	670.0	756.8	847.5
211.5	634.0	764.7	859.0	956.3
229.1	719.6	862.9	964.5	1067.6

* Minimum operating weight

** Maximum takeoff weight

VC-25A Air Force One
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
172.8*	195.0	199.5	207.1	225.4
216.6	244.2	252.8	266.5	303.6
260.4	293.9	308.2	331.3	396.0
304.1	344.5	366.0	403.2	502.3
347.9	396.1	427.1	486.0	629.7
377.8**	432.1	471.3	547.8	725.2
391.7	449.0	492.4	577.7	770.6
435.4	503.1	562.7	678.6	921.8
479.2	558.6	641.4	790.0	1078.5
523.0	616.1	726.8	921.9	1251.0
566.8	675.6	818.5	1062.3	1427.6

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
172.8*	187.6	203.1	223.1	252.6
216.6	243.2	272.2	304.4	347.2
260.4	305.5	350.8	395.8	451.1
304.1	375.1	438.4	495.9	562.8
347.9	452.3	533.9	603.3	680.4
377.8**	509.5	603.6	680.5	764.5
391.7	537.1	636.9	716.9	803.3
435.4	628.8	746.0	835.4	931.1
479.2	727.5	860.3	959.2	1062.7
523.0	831.9	979.7	1087.1	1197.7
566.8	941.6	1103.7	1218.6	1336.4

* Minimum operating weight

** Maximum takeoff weight

VC-180A
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.5*	14.1	14.6	15.1	16
4.1	16	16.6	17.3	19.2
4.6	17.8	18.6	19.4	22.5
5.2	19.6	20.5	22.2	26.2
5.7	21.1	22.2	24.7	29.6
5.7**	21.3	22.4	25.1	30.1
6.3	23	24.3	28.2	34.1
6.8	24.6	26.6	31.3	38.1
7.4	26.2	29.3	34.8	42.6
8	27.7	32	38.5	47.4
8.5	29.2	34.8	42.3	52.3

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
3.5*	12.6	13.2	13.8	14.9
4.1	14.3	15.2	16.6	18.3
4.6	16.1	18.1	19.8	21.7
5.2	18.8	21.1	23.1	25.3
5.7	21.2	23.8	26	28.4
5.7**	21.5	24.3	26.5	28.9
6.3	24.4	27.5	29.9	32.6
6.8	27.4	30.8	33.5	36.3
7.4	30.5	34.3	37.1	40.1
8	33.6	37.7	40.8	43.9
8.5	36.8	41.3	44.5	47.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-12C/D Huron which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

WC-130H Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	146.9	162.1	169.9	177.6
46.7	181.2	200.6	211.2	222.5
55.7	215.3	239.4	253.0	269.1
64.8	249.3	278.5	295.6	317.6
73.8	283.3	317.9	339.1	367.7
79.4**	304.1	342.2	366.3	399.3
82.9	317.3	357.7	383.7	419.6
91.9	351.4	398.0	429.6	473.4
101.0	385.7	438.9	476.5	529.1
110.0	420.1	480.5	524.7	586.8
119.1	454.8	522.8	574.0	646.1

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
37.6*	143.3	154.5	164.0	175.4
46.7	181.6	197.2	210.2	225.0
55.7	221.4	242.0	258.4	277.2
64.8	262.9	288.6	308.5	330.8
73.8	306.0	336.8	360.4	386.6
79.4**	333.4	367.1	392.9	421.0
82.9	350.6	386.6	413.7	442.5
91.9	396.7	437.8	468.4	500.8
101.0	444.0	490.4	524.1	560.0
110.0	492.7	544.1	581.3	620.4
119.1	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

WC-130J Hercules
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.3*	154.6	169.9	177.9	186.0
48.1	188.5	207.9	218.6	230.4
57.0	222.2	246.2	259.8	276.4
65.9	255.9	284.8	301.8	324.3
74.7	289.6	323.6	344.7	373.7
79.4**	307.3	344.1	367.6	400.2
83.6	323.3	362.9	388.8	424.8
92.5	357.2	402.6	433.9	477.7
101.3	391.1	443.0	480.2	532.5
110.2	425.3	484.0	527.5	589.2
119.1	459.7	525.7	576.1	647.4

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
39.3*	151.6	163.3	173.2	185.1
48.1	189.5	205.7	219.1	234.4
57.0	229.1	250.1	266.9	286.1
65.9	270.3	296.4	316.5	338.9
74.7	313.0	344.0	367.7	393.9
79.4**	336.0	369.5	395.1	422.8
83.6	357.3	393.2	420.3	449.3
92.5	402.8	443.9	474.1	506.4
101.3	449.6	495.7	529.1	564.7
110.2	497.6	548.5	585.4	623.9
119.1	547.0	602.7	642.2	683.7

* Minimum operating weight

** Maximum takeoff weight

WC-135B
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
53.1*	115.6	120.9	125.6	134.2
70.0	152.0	160.7	169.5	186.5
86.9	188.7	201.9	216.4	246.8
103.8	225.8	245.0	267.2	321.1
120.7	263.7	290.1	322.9	401.7
136.8**	300.5	335.3	386.5	496.1
137.6	302.3	337.5	389.6	501.0
154.5	342.1	388.0	459.9	615.1
171.4	382.9	441.9	536.4	739.4
188.3	425.1	506.3	626.5	868.7
205.2	468.8	571.7	726.0	998.7

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
53.1*	110.7	115.7	122.6	136.0
70.0	148.2	159.2	174.3	198.4
86.9	188.4	209.0	234.2	270.1
103.8	232.6	265.8	302.2	349.2
120.7	281.4	329.8	377.1	433.6
136.8**	333.1	396.6	454.2	519.0
137.6	335.8	400.0	458.0	523.3
154.5	395.8	476.1	543.5	617.4
171.4	461.5	557.4	633.8	715.0
188.3	532.5	643.3	727.6	815.8
205.2	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

WC-135C Constant Phoenix
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.4*	122.3	126.9	131.4	140.4
71.1	159.5	167.2	175.8	193.6
87.8	196.9	209.0	223.3	257.7
104.4	235.0	252.7	274.7	330.1
121.1	273.7	298.3	331.1	411.9
136.3**	309.8	342.1	392.7	502.6
137.8	313.3	346.4	398.7	511.9
154.4	354.0	397.6	469.6	626.4
171.1	395.8	452.2	546.6	750.7
187.8	439.0	510.6	637.2	879.7
204.5	483.6	583.4	737.1	1009.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.4*	117.9	123.0	130.6	144.6
71.1	156.4	168.1	183.8	208.9
87.8	198.1	219.4	245.3	281.5
104.4	243.7	277.7	314.4	361.4
121.1	294.1	343.0	390.2	446.6
136.3**	344.9	407.7	464.3	528.4
137.8	350.1	414.2	471.6	536.5
154.4	411.6	491.2	557.8	631.1
171.1	478.6	573.2	648.5	728.7
187.8	550.6	659.7	742.6	829.4
204.5	627.6	750.0	839.8	933.5

* Minimum operating weight

** Maximum takeoff weight

WC-135W Constant Phoenix
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.4*	122.3	126.9	131.4	140.4
71.1	159.5	167.2	175.8	193.6
87.8	196.9	209.0	223.3	257.7
104.4	235.0	252.7	274.7	330.1
121.1	273.7	298.3	331.1	411.9
136.3**	309.8	342.1	392.7	502.6
137.8	313.3	346.4	398.7	511.9
154.4	354.0	397.6	469.6	626.4
171.1	395.8	452.2	546.6	750.7
187.8	439.0	510.6	637.2	879.7
204.5	483.6	583.4	737.1	1009.5

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
54.4*	117.9	123.0	130.6	144.6
71.1	156.4	168.1	183.8	208.9
87.8	198.1	219.4	245.3	281.5
104.4	243.7	277.7	314.4	361.4
121.1	294.1	343.0	390.2	446.6
136.3**	344.9	407.7	464.3	528.4
137.8	350.1	414.2	471.6	536.5
154.4	411.6	491.2	557.8	631.1
171.1	478.6	573.2	648.5	728.7
187.8	550.6	659.7	742.6	829.4
204.5	627.6	750.0	839.8	933.5

* Minimum operating weight

** Maximum takeoff weight

YAK-40
ACR, Metric Units

Flexible Pavements

Load (tonnes)	ACR Value for Flexible Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.9*	66.2	64.5	63.7	63.2
8.6	82.1	80	79	78.3
10.3	98	95.5	94.3	93.5
11.9	113.9	111	109.7	108.7
13.6	129.9	126.5	125	123.9
14.6**	139.6	136	134.4	133.2
15.3	145.8	142.1	140.4	139.1
16.9	161.8	157.6	155.7	154.3
18.6	177.8	173.2	171.1	169.6
20.3	193.8	188.7	186.4	184.8
21.9	209.8	204.3	201.8	200

Rigid Pavements

Load (tonnes)	ACR Value for Rigid Subgrade Category (E, MPa)			
	A (E=200)	B (E=120)	C (E=80)	D (E=50)
6.9*	68.2	67.4	66.7	66.1
8.6	84.5	83.4	82.7	81.9
10.3	100.7	99.5	98.5	97.6
11.9	117	115.5	114.4	113.4
13.6	133.2	131.6	130.3	129.2
14.6**	143.2	141.3	140	138.8
15.3	149.5	147.6	146.2	145
16.9	165.7	163.6	162.1	160.7
18.6	182	179.7	178	176.5
20.3	198.2	195.6	193.9	192.2
21.9	214.5	211.7	209.9	208.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from RQ-4B GLOBAL HAWK 20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

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A-3 ANNEX B: ACR – ENGLISH UNITS
AIRCRAFT CLASSIFICATION RATING (ACR)
TABLES ENGLISH UNITS

FLEXIBLE AND RIGID PAVEMENT STANDARD
SUBGRADE STRENGTH CATEGORIES

Subgrade Strength Category	Subgrade Support E (Elastic Modulus) psi	Represents E (Elastic Modulus) psi	Code Designation
High	29,008	$E \geq 21,756$	A
Medium	17,405	$14,504 \leq E < 21,756$	B
Low	11,603	$8,702 \leq E < 14,504$	C
Ultra Low	7,252	$E < 8,702$	D

A-4 Skyhawk
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.5*	44.3	44.7	44.9	45.0
13.7	57.9	58.4	58.6	58.8
16.9	71.5	72.1	72.4	72.6
20.2	85.0	85.8	86.2	86.4
23.4	98.6	99.5	99.9	100.2
26.3**	111.0	112.0	112.5	112.8
26.6	112.2	113.2	113.7	114.0
29.8	125.7	126.9	127.4	127.8
33.0	139.3	140.6	141.1	141.6
36.3	152.9	154.2	154.9	155.3
39.5	166.4	167.9	168.6	169.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.5*	43.9	44.1	44.2	44.4
13.7	57.4	57.7	57.8	58.0
16.9	70.9	71.2	71.4	71.6
20.2	84.4	84.8	85.0	85.4
23.4	97.9	98.3	98.6	98.9
26.3**	110.2	110.7	111.0	111.4
26.6	111.4	111.9	112.2	112.6
29.8	124.9	125.5	125.8	126.2
33.0	138.4	139.1	139.4	139.9
36.3	152.0	152.6	153.0	153.5
39.5	165.5	166.1	166.6	167.2

* Minimum operating weight

** Maximum takeoff weight

A-6 Intruder
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.6*	112.2	113.2	113.7	114.0
33.7	142.2	143.5	144.0	144.5
40.8	172.1	173.7	174.4	174.9
47.9	202.1	203.9	204.8	205.4
55.1	232.0	234.1	235.1	235.8
60.4**	254.5	256.9	258.0	258.7
62.2	261.9	264.4	265.5	266.2
69.3	291.8	294.6	295.8	296.7
76.4	321.7	324.8	326.1	327.1
83.5	351.6	355.0	356.5	357.6
90.6	381.6	385.2	386.8	388.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.6*	111.4	111.9	112.2	112.6
33.7	141.3	141.9	142.3	142.7
40.8	171.2	171.9	172.3	173.0
47.9	201.0	201.8	202.4	203.0
55.1	230.9	231.8	232.4	233.1
60.4**	253.4	254.4	255.1	255.9
62.2	260.8	261.6	262.5	263.4
69.3	290.5	291.8	292.5	293.4
76.4	320.5	321.6	322.6	323.6
83.5	350.2	351.5	352.6	353.7
90.6	380.0	381.5	382.7	383.9

* Minimum operating weight

** Maximum takeoff weight

A-7 Corsair II
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	92.0	92.8	93.2	93.4
26.4	111.3	112.3	112.7	113.0
31.0	130.5	131.7	132.3	132.7
35.5	149.8	151.2	151.8	152.2
40.1	169.1	170.6	171.3	171.8
42.0**	177.0	178.7	179.4	179.9
44.7	188.4	190.1	190.9	191.4
49.3	207.6	209.5	210.4	211.0
53.8	226.9	229.0	229.9	230.6
58.4	246.1	248.4	249.5	250.2
63.0	265.4	267.9	269.0	269.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	91.3	91.7	91.9	92.2
26.4	110.5	111.0	111.3	111.6
31.0	129.7	130.3	130.7	131.0
35.5	148.9	149.5	150.0	150.5
40.1	168.2	168.8	169.3	169.9
42.0**	176.1	176.8	177.3	177.9
44.7	187.3	188.1	188.6	189.3
49.3	206.5	207.3	208.0	208.7
53.8	225.7	226.7	227.3	228.0
58.4	245.0	246.0	246.6	247.4
63.0	264.2	265.1	266.0	266.9

* Minimum operating weight

** Maximum takeoff weight

A-10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.0*	78.2	79.7	80.3	80.8
26.1	102.1	104.0	104.8	105.4
32.2	125.9	128.3	129.3	130.1
38.3	149.7	152.5	153.8	154.7
44.4	173.5	176.8	178.3	179.3
50.0**	195.1	198.8	200.5	201.7
50.6	197.3	201.0	202.7	203.9
56.7	221.1	225.3	227.2	228.5
62.8	244.8	249.5	251.6	253.1
68.9	268.6	273.7	276.0	277.7
75.0	292.3	298.0	300.5	302.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.0*	77.1	77.7	78.2	78.7
26.1	100.8	101.6	102.2	102.8
32.2	124.4	125.5	126.2	126.9
38.3	148.0	149.3	150.1	151.0
44.4	171.7	173.1	174.1	175.2
50.0**	193.1	194.8	195.9	197.0
50.6	195.3	196.9	198.1	199.2
56.7	218.9	220.8	222.0	223.3
62.8	242.7	244.7	246.0	247.4
68.9	266.3	268.5	269.9	271.7
75.0	289.9	292.5	293.9	295.6

* Minimum operating weight

** Maximum takeoff weight

AC-130H Spectre
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	193.3	214.3	225.9	238.8
126.9	222.2	247.3	261.6	278.8
143.9	251.1	280.6	297.9	320.2
160.8	280.0	314.0	334.8	362.7
175.0	304.1	342.2	366.3	399.3
177.8**	308.9	347.8	372.5	406.6
194.7	337.8	381.9	411.2	451.7
211.7	366.9	416.4	450.6	498.3
228.6	396.0	451.3	490.9	546.3
245.6	425.3	486.8	532.0	595.7
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	195.5	212.8	227.0	243.2
126.9	229.7	251.3	268.5	288.1
143.9	265.1	291.2	311.2	333.7
160.8	301.7	332.0	355.3	381.1
175.0	333.4	367.1	392.9	421.0
177.8**	339.4	374.1	400.4	428.8
194.7	378.1	417.3	446.4	477.5
211.7	417.9	461.5	493.3	527.4
228.6	458.5	506.6	541.2	578.2
245.6	500.1	552.3	590.0	629.3
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

AC-130U Spooky
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	193.3	214.3	225.9	238.8
126.9	222.2	247.3	261.6	278.8
143.9	251.1	280.6	297.9	320.2
160.8	280.0	314.0	334.8	362.7
175.0	304.1	342.2	366.3	399.3
177.8**	308.9	347.8	372.5	406.6
194.7	337.8	381.9	411.2	451.7
211.7	366.9	416.4	450.6	498.3
228.6	396.0	451.3	490.9	546.3
245.6	425.3	486.8	532.0	595.7
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	195.5	212.8	227.0	243.2
126.9	229.7	251.3	268.5	288.1
143.9	265.1	291.2	311.2	333.7
160.8	301.7	332.0	355.3	381.1
175.0	333.4	367.1	392.9	421.0
177.8**	339.4	374.1	400.4	428.8
194.7	378.1	417.3	446.4	477.5
211.7	417.9	461.5	493.3	527.4
228.6	458.5	506.6	541.2	578.2
245.6	500.1	552.3	590.0	629.3
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

**AH-64 Apache Longbow W/FCR
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.1*	0.0	0.0	0.0	0.1
14.5	0.0	0.0	0.0	0.1
17.0	0.0	0.0	0.0	0.1
19.5	0.0	0.0	0.0	0.1
22.0	0.0	0.0	0.0	0.1
23.0**	0.0	0.0	0.0	0.1
24.5	0.0	0.0	0.0	0.1
27.0	0.0	0.0	0.0	0.1
29.5	0.0	0.0	0.0	0.1
32.0	0.0	0.0	0.0	0.1
34.5	0.0	0.0	0.0	0.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.1*	29.9	31.5	32.7	33.9
14.5	36.4	38.4	39.8	41.3
17.0	42.8	45.3	46.9	48.5
19.5	49.3	52.1	54.0	55.8
22.0	55.8	59.0	61.1	63.2
23.0**	58.4	61.7	63.9	66.0
24.5	62.3	65.9	68.2	70.5
27.0	68.9	72.8	75.3	77.8
29.5	75.4	79.6	82.4	85.2
32.0	81.9	86.5	89.5	92.4
34.5	88.4	93.4	96.6	99.7

* Minimum operating weight

** Maximum takeoff weight

Airbus A310 MRTT
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	267.7	286.1	315.1	390.5
284.0	304.2	329.3	373.8	477.7
316.7	341.5	375.1	437.7	578.2
349.3	379.8	423.7	507.0	689.0
363.6**	396.8	446.9	538.8	738.9
382.0	419.2	478.4	581.7	804.9
414.7	459.8	537.2	668.8	922.3
447.3	501.4	599.9	765.2	1040.7
480.0	544.6	666.7	871.9	1161.2
512.7	589.3	737.7	985.2	1283.2
545.3	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	290.5	337.4	381.1	432.6
284.0	343.4	403.1	455.5	514.2
316.7	400.9	473.5	533.5	599.4
349.3	463.0	548.0	615.3	687.5
363.6**	491.4	581.6	652.0	726.4
382.0	529.3	626.3	700.2	777.9
414.7	599.5	707.8	787.7	871.3
447.3	673.6	792.2	877.7	966.6
480.0	751.1	879.0	970.3	1063.9
512.7	831.6	968.6	1065.1	1164.1
545.3	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV056
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
161.6*	353.1	373.4	405.3	450.0
177.8	391.3	417.4	456.1	511.7
194.0	430.2	464.5	508.3	574.9
204.8**	456.7	497.0	544.0	618.1
210.2	469.9	513.2	561.8	640.0
226.4	510.3	562.8	618.0	706.9
242.5	551.8	613.6	679.2	775.3
258.7	594.2	665.6	741.8	845.4
274.9	638.1	718.7	805.6	915.5
291.1	684.8	772.8	872.0	986.0
307.3	732.7	830.6	940.3	1056.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
161.6*	458.7	478.7	492.9	508.2
177.8	514.1	535.7	551.2	567.5
194.0	570.6	593.9	610.0	627.5
204.8**	609.0	633.4	650.0	668.1
210.2	628.0	652.5	669.8	688.0
226.4	686.5	712.2	730.1	749.4
242.5	745.5	772.5	791.3	810.7
258.7	805.5	833.8	852.9	873.3
274.9	866.1	895.2	915.3	936.5
291.1	927.7	957.6	978.2	999.9
307.3	989.4	1020.3	1041.7	1063.5

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV070
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
147.7*	312.1	331.9	359.4	398.6
160.9	341.7	365.7	399.2	445.1
174.0	371.8	400.4	440.0	494.8
177.3**	379.4	409.6	450.3	507.4
187.1	402.3	437.7	481.7	545.5
200.3	433.3	476.1	524.2	597.2
213.4	464.8	515.5	567.6	651.2
226.5	496.9	555.4	614.2	705.3
239.7	529.6	596.1	663.5	760.9
252.8	562.9	637.6	713.8	817.5
265.9	596.9	679.9	764.8	874.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
147.7*	401.8	422.1	436.7	451.8
160.9	445.1	467.0	482.5	498.8
174.0	489.2	512.6	529.1	546.4
177.3**	500.3	524.1	540.8	558.5
187.1	533.9	558.7	576.3	594.4
200.3	579.3	605.7	623.7	642.9
213.4	625.4	652.9	671.8	691.9
226.5	672.2	700.6	720.3	740.6
239.7	719.5	749.0	769.6	790.3
252.8	766.9	797.8	818.9	840.6
265.9	815.2	847.1	868.5	890.9

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV071
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
161.6*	357.2	375.9	406.9	450.9
179.5	399.9	424.8	463.2	519.0
197.3	443.4	477.3	521.1	589.1
214.8**	486.9	530.4	579.3	659.9
215.1	487.8	531.5	580.6	661.4
233.0	533.3	586.9	644.8	735.3
250.8	579.9	643.8	713.2	811.9
268.6	627.8	702.0	783.0	889.4
286.5	678.8	761.5	854.5	967.0
304.3	731.8	823.2	929.8	1045.1
322.2	786.3	891.3	1005.5	1123.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
161.6*	463.5	482.6	496.3	511.1
179.5	525.1	545.9	560.9	576.8
197.3	588.0	610.6	626.1	643.4
214.8**	650.8	674.5	691.1	708.9
215.1	652.2	675.8	692.5	710.3
233.0	717.4	742.2	759.7	778.2
250.8	783.2	809.5	827.6	847.0
268.6	850.2	877.7	896.4	916.7
286.5	918.3	946.3	966.0	986.6
304.3	986.6	1015.6	1036.1	1057.0
322.2	1056.0	1085.8	1106.7	1128.0

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO XLR WV099
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
166.7*	372.1	391.2	423.9	470.7
185.4	417.6	444.1	483.7	543.0
204.2	464.0	500.2	545.2	616.9
222.9	511.4	557.8	608.6	694.3
223.6**	513.1	559.8	610.9	697.0
241.7	560.1	616.9	679.3	773.1
260.4	610.1	677.6	752.1	854.3
279.2	662.4	739.7	826.4	935.8
297.9	717.8	803.2	904.0	1017.8
316.6	774.8	872.8	983.6	1100.1
335.4	833.1	945.4	1065.3	1182.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
166.7*	484.3	503.4	516.9	531.7
185.4	550.0	570.5	585.1	601.2
204.2	616.7	638.8	654.5	671.7
222.9	684.9	708.3	724.8	742.5
223.6**	687.4	710.8	727.5	745.7
241.7	753.9	778.7	796.1	814.3
260.4	824.2	850.3	868.1	887.5
279.2	895.8	922.3	941.1	960.8
297.9	967.5	995.4	1014.8	1035.1
316.6	1040.4	1069.3	1089.0	1109.7
335.4	1114.3	1143.8	1163.8	1184.8

* Minimum operating weight

** Maximum takeoff weight

Airbus A330 MRTT
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
265.7*	301.0	322.4	361.0	430.4
322.1	372.1	410.4	469.4	585.6
378.5	446.9	511.7	596.9	750.7
434.9	526.1	619.4	746.2	923.1
491.4	616.7	742.9	907.9	1103.0
515.7**	659.0	800.4	978.4	1182.6
547.8	716.8	881.7	1073.2	1289.5
604.2	822.8	1038.8	1243.9	1481.2
660.6	934.1	1200.7	1419.9	1676.2
717.1	1065.8	1364.8	1601.3	1874.1
773.5	1205.7	1532.9	1787.4	2074.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
265.7*	334.9	357.7	389.2	434.3
322.1	421.0	461.4	508.1	567.7
378.5	515.3	577.0	637.8	709.7
434.9	619.1	702.7	776.8	859.9
491.4	733.1	837.8	923.2	1016.8
515.7**	785.1	898.0	988.5	1086.1
547.8	856.1	980.3	1076.8	1179.3
604.2	988.4	1130.2	1236.4	1348.3
660.6	1128.4	1286.3	1401.7	1522.1
717.1	1275.6	1448.4	1572.7	1700.8
773.5	1429.2	1616.4	1748.8	1884.3

* Minimum operating weight

** Maximum takeoff weight

Airbus 400M
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.3*	109.6	115.6	120.5	129.9
205.8	130.2	138.1	145.3	160.2
238.4	150.9	161.1	171.2	193.4
270.9	171.7	184.6	198.7	230.4
303.5	192.7	208.7	227.8	271.6
310.9**	197.4	214.3	234.6	281.5
336.1	213.8	233.6	258.5	321.0
368.6	235.2	259.2	291.2	376.1
401.2	256.8	285.7	326.2	436.4
433.7	278.8	314.4	363.7	506.4
466.3	301.1	343.5	404.0	587.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.3*	104.2	108.0	113.2	134.9
205.8	124.5	130.3	142.8	179.7
238.4	145.2	154.4	181.0	230.5
270.9	166.5	181.5	225.0	287.4
303.5	188.6	218.3	274.9	349.0
310.9**	193.7	227.5	286.9	363.4
336.1	211.7	260.4	329.8	414.2
368.6	236.6	307.8	389.0	482.9
401.2	263.0	359.7	452.4	554.9
433.7	297.6	416.1	518.8	629.5
466.3	339.3	476.5	588.6	706.4

* Minimum operating weight

** Maximum takeoff weight

**AIRBUS A300 B2, B4
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
195.1*	213.7	220.9	234.4	272.1
231.3	254.3	266.6	288.4	349.5
267.5	295.8	314.4	349.9	436.9
303.7	338.3	365	419.3	544.9
339.9	381.9	419.1	495.3	665.4
347.2**	391	430.6	511.5	690.6
376.1	427	479.4	577.9	793.1
412.3	473.4	545.5	673.4	924.3
448.5	521.2	616.4	781.7	1056.8
484.7	570.9	692.3	901.5	1191.6
520.8	622.8	773.3	1029.6	1328.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
195.1*	220.1	245.2	272.9	309.7
231.3	272.3	310.2	347.8	393.6
267.5	330.2	381.9	428.6	482.6
303.7	393.8	459.3	514.8	576.6
339.9	463.1	542	605.6	674.3
347.2**	477.8	559.3	624.5	694.6
376.1	537.5	629.4	699.9	775.2
412.3	616.8	720.8	798.1	879.6
448.5	700.7	815.6	899.2	986.4
484.7	788.7	913.6	1003.4	1095.7
520.8	880.2	1014.9	1110.2	1207.2

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300-600
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
195.1*	210.3	218.9	232.9	271.1
236.5	256	270.8	294.7	360.2
277.9	302.8	325.6	367.2	465.8
319.3	351	384.3	448.9	594.3
360.8	400.9	448.7	539.3	737.3
378.5**	422.8	479.3	580.9	801.3
402.2	452.6	522	642.3	886.8
443.6	506	601.4	763.9	1037.6
485	561.9	687.4	900.5	1191.5
526.4	620.5	780.2	1048.1	1348.1
567.8	684	887.3	1202.7	1508.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
195.1*	215.4	241.1	269.5	306.8
236.5	274.3	315.2	355	402.8
277.9	340.9	397.9	448.3	505.6
319.3	415	488.1	548.4	614.5
360.8	496.4	584.9	654.2	727.6
378.5**	533.3	628.3	701.1	777.7
402.2	584.3	687.5	764.6	845.3
443.6	678.5	794.8	879	966.9
485	778.2	906.2	997.7	1091.5
526.4	882.5	1021.9	1119.7	1219
567.8	991	1141.3	1244.8	1349.6

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A310-200/300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
174.6*	191.2	195.3	204.7	229.9
212.9	233.9	242.2	258.5	305.5
251.2	277.4	291.4	318.1	391.2
289.5	321.9	343.2	387.7	493.9
327.8	367.7	398.6	464.4	614.5
346.1**	390.1	426.6	503.8	676.6
366.0	414.8	458.9	548.4	745.5
404.3	463.5	526.9	642.2	882.8
442.6	513.7	599.9	753	1021.1
480.9	565.9	678.5	874.9	1162
519.2	620.3	762.6	1007.3	1305

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
174.6*	193.6	211.5	233.1	263.1
212.9	245.8	275.9	307.5	347.4
251.2	304	347.8	389.3	438.8
289.5	368.5	426.6	477.4	534.9
327.8	439.1	511.3	570.7	635.9
346.1**	475.1	553.8	617.2	685.7
366.0	515.7	601.3	668.3	741.3
404.3	597.6	696.1	770.4	848.9
442.6	684.6	794.8	875.5	960.4
480.9	776.3	896.9	984.3	1074.5
519.2	871.9	1002.8	1095.9	1190.9

* Minimum operating weight

** Maximum takeoff weight

Airbus A319-100
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
128.7*	266.7	278.0	293.3	323.7
142.2	296.0	310.3	330.1	366.1
155.7	325.7	343.4	369.5	409.6
166.8	350.4	371.3	402.3	446.5
169.2	355.8	377.4	409.5	454.6
182.7**	386.3	412.3	450.5	504.2
196.2	417.3	448.3	492.4	555.1
209.7	448.8	487.0	535.1	606.9
223.2	480.7	526.6	578.7	659.0
236.7	513.1	566.7	623.3	713.1
250.2	546.2	607.7	671.3	767.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
128.7*	333.0	349.3	361.4	374.3
142.2	374.9	393.0	406.2	420.3
155.7	417.8	437.4	451.6	466.5
166.8	453.7	474.5	489.5	505.3
169.2	461.5	482.6	497.7	513.7
182.7**	505.9	528.4	544.5	561.4
196.2	551.2	575.0	591.6	609.7
209.7	596.8	622.2	639.5	658.5
223.2	643.3	669.5	687.9	707.2
236.7	690.3	717.6	736.6	756.8
250.2	738.0	766.0	786.0	806.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A320-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
87.5*	92.0	94.1	97.7	106.4
102.7	108.0	111.3	117.0	130.0
118.0	124.0	129.0	137.4	156.5
133.3	140.2	147.3	158.9	186.2
148.5	156.6	166.3	181.6	222.8
149.9**	158.1	168.0	183.7	226.3
163.8	173.2	185.9	205.7	263.0
179.1	190.1	206.3	231.7	304.8
194.3	207.2	227.5	259.7	348.5
209.6	224.7	249.5	291.9	398.0
224.9	242.6	272.5	328.5	449.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
87.5*	88.2	95.5	104.8	119.0
102.7	105.8	117.4	130.8	149.4
118.0	125.0	141.4	159.1	182.1
133.3	145.6	167.7	189.6	216.8
148.5	168.1	196.0	222.2	252.9
149.9**	170.2	198.7	225.2	256.3
163.8	192.2	226.3	256.3	290.8
179.1	218.1	258.1	292.0	330.0
194.3	245.6	291.8	329.2	370.2
209.6	274.9	326.7	367.6	411.3
224.9	305.7	363.1	407.1	453.3

* Minimum operating weight

** Maximum takeoff weight

Airbus A330-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
275.5*	299.4	302.6	309.9	333.4
329.7	358.2	364.0	377.3	417.5
383.9	417.3	427.0	449.4	511.5
438.2	476.8	491.8	526.3	620.2
492.4	536.8	559.4	608.3	739.8
509.0**	555.3	580.7	634.5	778.6
546.6	597.5	629.9	695.8	869.9
600.9	658.9	703.7	793.4	1013.1
655.1	721.4	780.8	899.8	1169.3
709.3	785.0	861.5	1013.7	1335.3
763.6	850.2	945.8	1135.1	1511.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
275.5*	290.0	307.0	331.3	370.0
329.7	353.4	383.2	420.4	474.2
383.9	421.6	467.0	518.2	587.5
438.2	495.2	558.4	624.0	707.3
492.4	574.3	657.2	737.0	833.8
509.0**	599.7	688.9	773.3	873.9
546.6	659.7	762.7	856.3	966.1
600.9	750.8	874.5	981.7	1102.8
655.1	848.1	992.2	1112.0	1244.0
709.3	951.4	1115.4	1246.8	1389.5
763.6	1059.8	1243.3	1385.7	1538.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A340-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
280.4*	256.5	258.2	262.6	276.8
350.6	320.3	324.3	333.4	362.4
420.8	384.3	391.8	408.7	457.5
491.1	448.9	461.2	489.7	567.9
561.3	514.0	533.4	576.7	693.2
608.3**	557.9	583.6	638.2	784.0
631.5	579.7	609.1	669.7	831.1
701.7	646.4	688.5	772.8	982.6
771.9	714.2	771.8	887.3	1151.1
842.2	783.4	859.4	1010.7	1330.9
912.4	854.4	951.3	1143.0	1519.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
280.4*	246.0	255.9	271.8	299.9
350.6	312.0	333.2	362.0	406.6
420.8	383.1	419.5	462.8	523.4
491.1	460.1	514.7	573.8	650.4
561.3	543.6	619.3	693.3	785.1
608.3**	603.3	693.3	778.2	879.4
631.5	634.1	731.3	821.4	927.0
701.7	731.8	851.6	955.9	1074.8
771.9	836.7	978.5	1096.9	1227.8
842.2	948.8	1112.2	1243.1	1385.8
912.4	1066.9	1251.5	1394.6	1547.6

* Minimum operating weight

** Maximum takeoff weight

Airbus A380-800
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
661.4*	297.9	297.7	304.8	332.7
794.4	357.1	360.2	373.4	428.9
927.4	416.6	423.5	447.6	547.2
1060.4	476.7	489.2	530.4	690.1
1193.4	537.6	557.8	622.6	859.8
1239.0**	558.7	582.0	656.6	927.2
1326.4	599.3	629.9	728.2	1062.4
1459.5	661.6	707.7	848.0	1282.8
1592.5	724.9	790.9	984.7	1527.3
1725.5	789.5	880.4	1140.0	1787.8
1858.5	854.9	978.6	1315.8	2060.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
661.4*	278.7	306.3	349.6	421.9
794.4	344.2	397.0	466.2	567.8
927.4	419.8	503.3	601.3	729.9
1060.4	506.0	626.4	752.3	905.7
1193.4	604.1	764.1	916.7	1092.5
1239.0**	640.9	815.1	976.0	1159.2
1326.4	715.2	916.2	1093.3	1288.6
1459.5	839.5	1080.9	1279.6	1493.2
1592.5	977.0	1256.3	1475.2	1705.1
1725.5	1126.5	1441.3	1678.5	1922.9
1858.5	1287.7	1635.1	1888.8	2149.5

* Minimum operating weight

** Maximum takeoff weight

AJET
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	39.6	41.2	41.9	42.3
12	47.7	49.5	50.3	50.8
14	55.8	57.8	58.6	59.3
16	63.8	66	67	67.7
18	71.8	74.3	75.4	76.2
18.7**	74.5	77.1	78.2	79.1
20	79.7	82.5	83.8	84.7
22	87.7	90.8	92.1	93.1
24	95.7	99	100.5	101.6
26	103.6	107.2	108.8	110
28.1	111.6	115.5	117.2	118.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	38.7	39.2	39.6	40.1
12	46.5	47.2	47.7	48.2
14	54.3	55.1	55.7	56.3
16	62.1	63.2	63.8	64.5
18	70	71.1	71.8	72.6
18.7**	72.7	73.8	74.6	75.3
20	77.9	79.1	79.9	80.8
22	85.7	87	87.9	88.8
24	93.5	95	96	97
26	101.4	103	104	105.1
28.1	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-12 Russian
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
61.7*	66.0	69.6	73.7	81.7
77.3	83.6	89.4	96.8	109.9
92.8	101.9	110.8	121.4	143.7
108.4	120.9	133.7	147.6	180.0
123.9	140.6	158.0	180.6	217.4
134.5**	154.3	175.1	204.0	243.4
139.5	161.0	183.5	215.9	255.9
155.1	184.0	211.3	253.2	295.4
170.6	207.4	245.2	290.9	335.9
186.2	231.7	280.4	329.1	377.5
201.7	257.1	318.7	367.9	420.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
61.7*	75.1	77.1	78.5	80.8
77.3	96.6	98.9	101.0	105.2
92.8	118.4	121.3	124.6	131.7
108.4	140.7	144.5	149.7	161.0
123.9	163.4	168.6	176.5	192.7
134.5**	179.1	185.6	195.8	215.1
139.5	186.7	193.9	205.3	226.1
155.1	210.5	220.5	236.1	261.7
170.6	235.1	248.7	268.9	298.8
186.2	260.5	278.4	303.5	336.9
201.7	286.6	310.1	339.5	376.4

* Minimum operating weight

** Maximum takeoff weight

AN-24/26
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	38.1	49	55.1	61.7
35.5	46.1	59.3	67.2	75.9
41.4	54	69.9	79.8	91
47.3	61.8	80.8	92.9	108.4
53.1	69.7	92	106.4	126.5
55**	72.2	95.5	110.8	132.4
59	77.7	103.5	120.5	145.7
64.8	85.9	115.4	136.7	166.7
70.7	94.2	127.8	153.9	189.4
76.6	102.7	140.5	171.6	213
82.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	45.6	52.7	58.1	64
35.5	57.6	66.6	73.2	80.1
41.4	70.4	81.2	88.8	96.7
47.3	83.9	96.4	105	113.8
53.1	97.9	112	121.6	131.2
55**	102.5	117	126.9	136.7
59	112.5	128.1	138.6	149
64.8	127.6	144.6	156	167
70.7	143.2	161.4	173.6	185.4
76.6	159.1	178.6	191.5	204.2
82.4	175.3	196	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-124 Russian
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
376.4*	157.7	165.3	172.4	187.6
478.6	200.2	211.9	225.0	254.8
580.9	242.8	260.4	281.8	340.9
683.1	286.0	311.1	344.0	448.6
785.3	329.9	364.6	414.2	586.5
864.2**	364.4	407.6	479.9	724.9
887.5	374.7	420.7	500.5	770.4
989.7	420.6	480.9	599.3	991.9
1091.9	467.8	545.7	712.7	1234.7
1194.1	516.6	622.9	855.2	1489.9
1296.3	567.2	708.3	1028.8	1751.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
376.4*	143.7	149.9	167.5	218.1
478.6	184.2	201.2	253.1	349.2
580.9	227.1	277.9	369.8	513.4
683.1	274.2	379.1	517.7	705.0
785.3	341.5	507.8	692.9	917.4
864.2**	408.2	625.4	843.2	1092.9
887.5	430.3	663.0	889.8	1147.1
989.7	540.2	841.5	1105.2	1389.8
1091.9	673.5	1040.3	1335.7	1646.6
1194.1	829.9	1256.0	1579.8	1912.9
1296.3	1007.0	1486.4	1835.6	2190.5

* Minimum operating weight

** Maximum takeoff weight

AN-225 Myria Cossack
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
628.3*	189.6	197.3	206.7	228.9
779.0	235.0	247.5	264.3	306.7
929.6	280.9	300.0	326.9	411.4
1080.3	327.6	355.2	396.7	537.3
1230.9	375.2	413.3	480.9	707.4
1322.8**	404.9	450.6	539.1	829.7
1381.5	424.1	475.4	578.9	915.3
1532.2	474.4	542.2	691.1	1145.2
1682.8	526.4	614.7	826.9	1386.7
1833.5	580.1	706.5	993.8	1633.7
1984.1	635.5	802.3	1192.1	1883.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
628.3*	176.9	187.0	221.6	287.1
779.0	222.6	256.7	323.5	424.6
929.6	272.4	349.5	450.7	584.8
1080.3	334.8	464.0	599.7	763.0
1230.9	420.5	599.5	766.5	954.9
1322.8**	481.4	691.5	875.6	1077.9
1381.5	524.2	753.7	948.2	1159.2
1532.2	646.1	923.3	1142.6	1373.2
1682.8	786.2	1106.8	1347.8	1598.0
1833.5	941.9	1301.9	1562.9	1829.0
1984.1	1112.3	1507.5	1786.6	2069.0

* Minimum operating weight

** Maximum takeoff weight

**Andover C MK 1 & E MK 3
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	38.1	49.0	55.1	61.7
35.5	46.1	59.3	67.2	75.9
41.4	54.0	69.9	79.8	91.0
47.3	61.8	80.8	92.9	108.4
53.1	69.7	92.0	106.4	126.5
55.0**	72.2	95.5	110.8	132.4
59.0	77.7	103.5	120.5	145.7
64.8	85.9	115.4	136.7	166.7
70.7	94.2	127.8	153.9	189.4
76.6	102.7	140.5	171.6	213.0
82.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	45.6	52.7	58.1	64.0
35.5	57.6	66.6	73.2	80.1
41.4	70.4	81.2	88.8	96.7
47.3	83.9	96.4	105.0	113.8
53.1	97.9	112.0	121.6	131.2
55.0**	102.5	117.0	126.9	136.7
59.0	112.5	128.1	138.6	149.0
64.8	127.6	144.6	156.0	167.0
70.7	143.2	161.4	173.6	185.4
76.6	159.1	178.6	191.5	204.2
82.4	175.3	196.0	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Andover CC MK 2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	32.1	41.6	48.7	56.8
30.7	35.1	49.6	58.4	69.2
35.2	40.0	57.8	68.9	82.1
39.7	45.7	66.3	80.1	96.2
44.2	51.3	75.1	91.8	112.7
44.5**	51.7	75.7	92.6	113.8
48.7	57.1	84.8	104.0	130.1
53.2	63.0	95.0	116.7	148.0
57.7	69.0	105.6	131.4	166.1
62.2	75.2	116.6	147.7	184.2
66.7	81.7	128.1	164.8	202.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	38.8	46.0	51.4	57.1
30.7	48.3	57.0	63.3	69.8
35.2	58.3	68.5	75.7	82.9
39.7	68.9	80.3	88.4	96.2
44.2	79.8	92.7	101.3	109.9
44.5**	80.5	93.4	102.2	110.7
48.7	91.2	105.2	114.6	123.8
53.2	102.9	118.1	128.1	137.8
57.7	114.9	131.2	141.8	152.1
62.2	127.2	144.5	155.7	166.5
66.7	139.8	158.0	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

**Andover CC MK 2 Queens Flight
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	32.1	41.6	48.7	56.8
31.0	35.4	50.2	59.2	70.1
35.8	40.8	59.1	70.6	84.1
40.7	46.9	68.3	82.7	99.8
45.5	53.0	77.8	95.4	117.7
46.5**	54.2	79.9	97.9	121.2
50.3	59.3	88.5	108.7	136.7
55.2	65.6	99.6	122.4	156.0
60.0	72.2	111.3	139.8	175.4
64.8	79.0	123.3	157.5	194.9
69.7	86.5	135.9	176.7	214.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	38.8	46.0	51.4	57.1
31.0	49.0	57.8	64.2	70.8
35.8	59.8	70.3	77.5	84.9
40.7	71.3	83.1	91.2	99.3
45.5	83.2	96.4	105.2	114.0
46.5**	85.5	99.0	108.0	116.9
50.3	95.5	110.0	119.5	128.9
55.2	108.3	123.9	134.1	144.1
60.0	121.3	138.0	149.0	159.5
64.8	134.6	152.4	164.0	175.1
69.7	148.3	167.1	179.2	191.0

* Minimum operating weight

** Maximum takeoff weight

**ANDOVER HS-748
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	38.1	49	55.1	61.7
35.5	46.1	59.3	67.2	75.9
41.4	54	69.9	79.8	91
47.3	61.8	80.8	92.9	108.4
53.1	69.7	92	106.4	126.5
55**	72.2	95.5	110.8	132.4
59	77.7	103.5	120.5	145.7
64.8	85.9	115.4	136.7	166.7
70.7	94.2	127.8	153.9	189.4
76.6	102.7	140.5	171.6	213
82.4	111.5	154.2	189.9	236.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.7*	45.6	52.7	58.1	64
35.5	57.6	66.6	73.2	80.1
41.4	70.4	81.2	88.8	96.7
47.3	83.9	96.4	105	113.8
53.1	97.9	112	121.6	131.2
55**	102.5	117	126.9	136.7
59	112.5	128.1	138.6	149
64.8	127.6	144.6	156	167
70.7	143.2	161.4	173.6	185.4
76.6	159.1	178.6	191.5	204.2
82.4	175.3	196	209.6	222.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AO/A-10-A Thunderbolt II
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.4*	104.2	106.1	107.0	107.6
32.0	126.1	128.5	129.5	130.3
37.5	148.0	150.8	152.0	152.9
43.1	169.9	173.1	174.5	175.6
48.7	191.8	195.4	197.0	198.2
51.0**	200.9	204.7	206.4	207.7
54.2	213.6	217.7	219.5	220.8
59.8	235.5	240.0	242.0	243.4
65.4	257.3	262.2	264.5	266.0
70.9	279.1	284.5	286.9	288.7
76.5	301.0	306.8	309.4	311.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.4*	102.8	103.7	104.3	104.9
32.0	124.6	125.7	126.4	127.1
37.5	146.3	147.6	148.4	149.3
43.1	168.1	169.5	170.4	171.5
48.7	189.8	191.4	192.5	193.6
51.0**	198.9	200.5	201.7	202.9
54.2	211.5	213.4	214.6	215.9
59.8	233.4	235.3	236.5	237.9
65.4	255.1	257.1	258.6	260.2
70.9	276.8	279.2	280.6	282.5
76.5	298.5	301.0	302.7	304.4

* Minimum operating weight

** Maximum takeoff weight

AT-38B Talon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	34.9	34.1	33.8	33.6
9.6	40.4	39.5	39.2	38.9
11.0	45.9	44.9	44.5	44.3
12.3	51.4	50.4	49.9	49.6
13.5	56.4	55.3	54.8	54.5
13.6**	56.9	55.8	55.3	55.0
14.9	62.4	61.2	60.7	60.3
16.3	68.0	66.7	66.1	65.7
17.6	73.5	72.1	71.5	71.0
18.9	79.0	77.5	76.9	76.4
20.3	84.6	83.0	82.3	81.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	35.6	35.3	35.0	34.8
9.6	41.2	40.9	40.6	40.3
11.0	46.8	46.4	46.1	45.8
12.3	52.5	52.0	51.7	51.3
13.5	57.6	57.1	56.7	56.3
13.6**	58.1	57.6	57.2	56.8
14.9	63.7	63.2	62.8	62.3
16.3	69.4	68.8	68.3	67.8
17.6	75.0	74.3	73.8	73.3
18.9	80.6	79.9	79.4	78.9
20.3	86.3	85.5	84.9	84.3

* Minimum operating weight

** Maximum takeoff weight

Atlantic ATLA
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68*	137.2	147.7	158.3	175.9
81.8	166.7	181.5	197.3	224.5
95.6	197	217.8	239.7	277.4
109.3	228.4	255.9	284.7	332.1
123.1	260.8	296.2	337.7	390.8
128**	272.8	311.2	357	412.3
136.9	295.3	339.1	391.7	451.9
150.7	331.3	384.5	447.6	513.4
164.4	368.8	438.4	507.4	574.9
178.2	407.6	493.6	568.6	635.7
192	447.9	549	630.8	695.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68*	173.5	184.5	192.3	200.5
81.8	217.1	230.1	239.2	248.7
95.6	262.4	277.3	287.5	298.1
109.3	309.2	325.7	337.1	348.5
123.1	357.4	375.3	387.6	400.3
128**	374.7	393.2	405.7	418.5
136.9	406.6	425.9	439	452
150.7	456.9	477.5	491.1	505.1
164.4	508.1	529.6	544.1	558.7
178.2	560.2	582.7	597.5	613.1
192	612.9	636.5	651.7	667.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from P-3N ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

ATR 42
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
25.4*	45	52.4	58.2	68.5
29.4	52.9	62.1	69.4	84.1
33.4	61	72.3	82.9	101.3
37.4	69.4	82.9	97.9	118.4
41	77.2	92.7	111.7	133.8
41.4**	78.1	93.9	113.3	135.5
45.4	87.1	107.1	130.3	152.5
49.5	96.3	122	147.8	169.6
53.5	106	137.3	165.2	186.8
57.5	115.9	152.9	182.7	204
61.5	126.2	170.8	200.1	221.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
25.4*	58.4	63.7	67.4	71.3
29.4	70.5	76.6	80.8	85.2
33.4	83	89.8	94.4	99.1
37.4	95.9	103.3	108.4	113.5
41	107.7	115.7	121.1	126.4
41.4**	109.1	117.2	122.6	128
45.4	122.7	131.3	137	142.7
49.5	136.5	145.6	151.7	157.6
53.5	150.5	160.1	166.5	172.7
57.5	164.9	174.9	181.4	187.9
61.5	179.4	189.8	196.6	203.4

* Minimum operating weight

** Maximum takeoff weight

ATR 72
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.8*	53.7	63.1	70.5	85.8
34.8	64	76.1	88.2	107.4
39.9	74.8	89.7	107.4	129.1
45	86	105.4	128.3	150.6
50	97.7	124.3	150.3	172.1
50.3**	98.3	125.1	151.3	173.1
55.1	110	143.7	172.3	193.8
60.2	122.8	164.9	194.3	215.6
65.3	138.1	187.3	216.3	237.3
70.3	156.9	209.7	238.3	259.1
75.4	176.2	232.1	260.4	280.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.8*	71.7	77.8	82.1	86.5
34.8	87.6	94.6	99.4	104.3
39.9	104.1	111.9	117.2	122.5
45	121.1	129.6	135.3	141
50	138.5	147.7	153.8	159.8
50.3**	139.3	148.5	154.6	160.7
55.1	156.3	166.1	172.5	178.9
60.2	174.6	184.8	191.6	198.2
65.3	193	203.8	210.8	217.6
70.3	211.8	222.9	230.2	237.4
75.4	230.8	242.3	249.9	257.4

* Minimum operating weight

** Maximum takeoff weight

Aururo CP-140
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68*	142.2	150.6	160.3	177.2
84.6	179.2	192.5	208.2	236.7
101.2	217.5	237.6	260.9	300.8
117.8	257.3	285.6	319.9	369.3
134.4	299.4	337.2	385.3	442.6
145**	327.5	371.6	426.8	489.9
151.1	344	391.9	451.9	517.1
167.7	390.6	457.2	524.5	591.6
184.3	439.3	524.3	599.3	664.8
200.9	490.6	593.4	675	737.8
217.5	544.4	668.3	750.8	810.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68*	179.5	189.3	196.6	204.3
84.6	233.6	245.7	254.1	263.2
101.2	290	304	313.7	323.7
117.8	348.6	364.2	375	385.9
134.4	408.8	425.8	437.5	449.2
145**	447.8	465.7	478	490.4
151.1	470.5	488.8	501.2	513.9
167.7	533.5	552.9	566.1	579.5
184.3	597.7	618.2	631.6	645.9
200.9	663.1	684.1	698.1	712.9
217.5	729.6	751	765.8	780.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from P-3C ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AV-8 Harrier
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.9*	30.5	34.4	38.5	43.4
18.5	36.1	44.0	49.7	56.6
22.2	43.6	54.1	61.7	73.1
25.9	51.4	64.7	74.3	90.6
29.6	59.6	75.9	88.5	110.1
32.0**	65.1	83.5	99.7	122.9
33.3	68.1	87.5	105.6	129.6
37.0	77.0	99.6	123.2	149.0
40.6	86.1	114.1	142.6	168.4
44.3	96.0	131.1	162.3	187.9
48.0	106.1	148.5	181.9	207.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.9*	34.2	38.4	41.7	45.1
18.5	45.6	51.2	55.2	59.2
22.2	57.8	64.6	69.2	73.6
25.9	70.7	78.5	83.6	88.3
29.6	84.2	92.8	98.2	103.0
32.0**	93.2	102.3	107.8	112.9
33.3	98.0	107.3	113.0	118.1
37.0	112.2	122.1	128.0	133.3
40.6	126.7	137.1	143.1	148.6
44.3	141.5	152.2	158.4	164.2
48.0	156.4	167.5	173.9	179.7

* Minimum operating weight

** Maximum takeoff weight

B-1B Lancer
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.0*	205.4	208.8	218.0	243.5
247.5	270.0	279.8	300.1	357.9
306.0	336.4	355.5	395.1	503.7
364.5	405.2	438.4	508.0	681.7
423.0	476.7	530.1	644.5	875.6
477.0**	545.3	624.1	788.2	1070.3
481.5	551.2	632.3	801.0	1086.9
540.0	629.8	754.8	985.8	1306.8
598.5	713.3	892.1	1182.3	1534.4
657.0	802.4	1044.0	1397.2	1770.5
715.5	898.5	1219.6	1618.0	2017.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.0*	206.8	227.0	250.6	283.0
247.5	288.3	327.6	366.2	413.2
306.0	383.2	443.6	496.2	556.3
364.5	491.3	572.5	637.8	709.5
423.0	611.6	712.6	789.1	870.6
477.0**	732.6	849.6	935.5	1025.6
481.5	743.1	861.3	948.0	1038.7
540.0	883.8	1018.0	1114.0	1212.2
598.5	1032.5	1181.6	1285.3	1391.7
657.0	1189.2	1351.5	1462.6	1575.6
715.5	1352.3	1526.0	1644.5	1763.8

* Minimum operating weight

** Maximum takeoff weight

B-2 Spirit
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	117.2	117.5	119.7	126.9
153.9	163.7	166.2	173.3	191.6
197.7	210.8	217.7	232.0	273.3
241.6	259.0	272.4	298.1	371.5
285.4	308.5	330.7	376.6	489.8
329.3**	359.8	394.0	467.6	630.7
336.5	368.4	404.9	483.6	655.1
373.2	413.1	463.2	569.3	780.8
417.0	468.6	544.8	687.5	939.7
460.9	526.3	634.4	826.1	1104.0
504.8	587.2	732.3	975.5	1276.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.0*	112.6	118.0	126.0	139.8
153.9	163.0	178.2	196.4	221.6
197.7	220.9	249.7	279.0	316.0
241.6	287.2	331.7	371.9	418.7
285.4	362.5	422.7	472.9	528.6
329.3**	446.2	521.5	580.8	644.5
336.5	460.7	538.3	599.1	664.1
373.2	537.5	627.1	694.1	765.7
417.0	635.7	738.4	812.8	890.1
460.9	740.2	854.2	935.4	1019.0
504.8	850.1	974.7	1062.2	1151.2

* Minimum operating weight

** Maximum takeoff weight

B-52H Stratofortress
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
230.0*	276.7	284.2	302.0	342.6
285.8	347.2	363.0	395.5	462.2
341.6	419.7	448.2	499.1	603.1
397.3	494.4	540.6	613.9	755.1
453.1	572.7	640.2	744.9	917.3
488.0**	624.0	706.4	832.8	1023.3
508.9	655.5	747.4	886.9	1088.6
564.7	743.1	867.9	1036.8	1268.7
620.4	835.5	997.7	1194.8	1455.5
676.2	932.9	1136.0	1359.8	1647.0
732.0	1035.5	1281.0	1533.4	1843.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
230.0*	385.2	424.1	457.3	496.8
285.8	516.5	570.0	613.5	663.7
341.6	660.4	727.9	781.3	840.5
397.3	815.1	896.0	958.1	1026.0
453.1	979.7	1073.2	1143.1	1218.1
488.0**	1087.1	1188.0	1262.1	1342.0
508.9	1153.1	1257.9	1334.8	1417.2
564.7	1334.2	1449.3	1532.6	1623.3
620.4	1521.8	1647.0	1736.7	1831.3
676.2	1716.5	1850.6	1945.6	2045.5
732.0	1916.9	2058.7	2159.2	2263.4

* Minimum operating weight

** Maximum takeoff weight

BAC 1-11 Series 40
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	98.8	106.2	116	132.8
26.2	121	132.7	146.3	172.4
30.6	144.2	161.3	181.2	213.3
35	168.5	191.6	220.8	254.3
39.5	195.2	223.3	263.1	295
41.1**	205.2	237	278.3	309.7
43.9	223.5	262.6	305.4	335.9
48.3	253.1	304	347.7	376.9
52.7	284.1	348.2	389.7	418.2
57.2	316.2	392.2	431.5	459.8
61.6	354.8	436	473.4	501.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	129.7	136	140.5	145.1
26.2	162.3	169.5	174.6	179.9
30.6	196.1	204.1	209.7	215.4
35	230.7	239.3	245.4	251.6
39.5	266.2	275.6	281.8	288.3
41.1**	279.2	288.7	295.1	301.6
43.9	302.5	312.2	318.9	325.7
48.3	339.5	349.6	356.6	363.5
52.7	377	387.6	394.7	402.3
57.2	415.2	425.8	433.2	440.8
61.6	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 300/400

ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	98.8	106.2	116	132.8
26.2	121	132.7	146.3	172.4
30.6	144.2	161.3	181.2	213.3
35	168.5	191.6	220.8	254.3
39.5	195.2	223.3	263.1	295
41.1**	205.2	237	278.3	309.7
43.9	223.5	262.6	305.4	335.9
48.3	253.1	304	347.7	376.9
52.7	284.1	348.2	389.7	418.2
57.2	316.2	392.2	431.5	459.8
61.6	354.8	436	473.4	501.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	129.7	136	140.5	145.1
26.2	162.3	169.5	174.6	179.9
30.6	196.1	204.1	209.7	215.4
35	230.7	239.3	245.4	251.6
39.5	266.2	275.6	281.8	288.3
41.1**	279.2	288.7	295.1	301.6
43.9	302.5	312.2	318.9	325.7
48.3	339.5	349.6	356.6	363.5
52.7	377	387.6	394.7	402.3
57.2	415.2	425.8	433.2	440.8
61.6	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 475
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	98.8	106.2	116	132.8
26.2	121	132.7	146.3	172.4
30.6	144.2	161.3	181.2	213.3
35	168.5	191.6	220.8	254.3
39.5	195.2	223.3	263.1	295
41.1**	205.2	237	278.3	309.7
43.9	223.5	262.6	305.4	335.9
48.3	253.1	304	347.7	376.9
52.7	284.1	348.2	389.7	418.2
57.2	316.2	392.2	431.5	459.8
61.6	354.8	436	473.4	501.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	129.7	136	140.5	145.1
26.2	162.3	169.5	174.6	179.9
30.6	196.1	204.1	209.7	215.4
35	230.7	239.3	245.4	251.6
39.5	266.2	275.6	281.8	288.3
41.1**	279.2	288.7	295.1	301.6
43.9	302.5	312.2	318.9	325.7
48.3	339.5	349.6	356.6	363.5
52.7	377	387.6	394.7	402.3
57.2	415.2	425.8	433.2	440.8
61.6	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 500
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.2*	116.7	127.2	137	151.2
73.6	139.2	153.7	166.9	189.2
85	162.3	181.3	198.4	230.9
96.5	186.1	210.2	232.3	273.3
107.9	210.8	240.2	272	318.9
110**	215.5	245.9	279.7	327.5
119.3	236.5	271.4	314.1	366.1
130.7	263	304.5	357.2	414
142.2	290.5	342.6	402.7	462.7
153.6	318.8	384.4	450.2	511.5
165	348.2	427.3	498.7	560.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.2*	146.5	157.1	164.6	172.5
73.6	180.2	192.6	201.3	210.2
85	215.1	229.2	238.8	248.8
96.5	251.1	266.7	277.4	288.5
107.9	288.1	305.1	316.6	328.2
110**	295.1	312.3	324.1	335.7
119.3	326.2	344.3	356.7	369
130.7	364.7	384.2	397.3	410.5
142.2	404.1	424.7	438.4	451.9
153.6	444.2	465.7	480	494.3
165	484.8	507.3	522.1	537

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-9A/C NIGTHINGALE which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**BAE (HS) Hawk T MK1
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.6*	28.1	29.0	29.9	30.4
9.6	34.6	36.8	37.8	38.5
11.6	41.8	44.5	45.7	46.5
13.6	49.1	52.2	53.5	54.5
15.6	56.4	59.9	61.4	62.5
17.1**	61.8	65.5	67.2	68.3
17.6	63.7	67.6	69.3	70.5
19.6	71.0	75.2	77.1	78.4
21.6	78.2	82.9	84.9	86.4
23.6	85.4	90.5	92.8	94.4
25.6	92.6	98.1	100.6	102.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.6*	26.2	26.8	27.3	27.7
9.6	33.2	34.0	34.6	35.3
11.6	40.3	41.3	42.0	42.7
13.6	47.3	48.5	49.4	50.2
15.6	54.4	55.8	56.7	57.7
17.1**	59.6	61.1	62.2	63.3
17.6	61.5	63.1	64.1	65.2
19.6	68.5	70.3	71.5	72.7
21.6	75.6	77.6	78.9	80.2
23.6	82.7	84.9	86.2	87.7
25.6	89.8	92.1	93.6	95.2

* Minimum operating weight

** Maximum takeoff weight

BAE 146-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
51.3*	91.5	100.2	106.8	115.4
61.9	110.4	122.2	131.3	144.3
72.4	129.7	144.8	156.7	176.2
83	149.2	168.1	183.2	209.8
93.5	169.1	192.2	212.5	245
97.5**	176.8	201.5	224.2	258.7
104.1	189.4	217	243.7	282.8
114.6	210.2	242.6	276.3	322.1
125.2	231.5	270.4	310.2	362.1
135.7	253.3	299.8	345.3	405.3
146.3	275.6	330.6	384.8	450.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
51.3*	106.6	116.1	123.2	130.7
61.9	133.9	145.7	154.3	163.2
72.4	162.6	176.6	186.5	196.7
83	192.4	208.4	219.5	230.8
93.5	223.2	241.1	253.4	266
97.5**	235.1	253.6	266.5	279.5
104.1	254.8	274.6	288	301.8
114.6	287.3	308.7	323.2	337.6
125.2	320.6	343.6	359	374.3
135.7	354.5	378.9	395.2	411.7
146.3	389	414.8	431.9	448.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
53.7*	95.8	105.2	112.3	121.6
64.7	115.7	128.3	138.2	152.8
75.8	135.9	152.2	165.1	186.8
86.8	156.5	176.9	193.6	222.6
97.9	177.5	202.4	225.3	260.1
102.1**	185.6	212.3	237.7	275.5
108.9	199	228.7	258.6	300.9
120	221	256.5	293.4	342.3
131	243.5	286.5	329.6	386
142.1	266.6	318.2	369.2	432.7
153.1	290.4	351.3	410.4	480.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
53.7*	112.7	122.7	130.2	138
64.7	141.6	154.1	163	172.3
75.8	172.1	186.7	197	207.7
86.8	203.6	220.3	232	243.7
97.9	236.2	254.8	267.7	280.8
102.1**	248.8	268.2	281.4	295.1
108.9	269.7	290.3	304.2	318.1
120	304.1	326.4	341.3	356.2
131	339.6	363.1	379.1	395.3
142.1	375.3	400.5	417.3	434.1
153.1	411.7	438.4	456	473.5

* Minimum operating weight

** Maximum takeoff weight

BAE Buccaneer S MK 2A & 3B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.9*	135.9	133.8	132.8	132.1
37.3	164.4	161.8	160.7	159.8
43.8	193.0	189.9	188.5	187.5
50.2	221.5	218.0	216.4	215.2
56.7	250.1	246.1	244.2	242.9
59.3**	261.7	257.5	255.6	254.2
63.2	278.7	274.1	272.1	270.7
69.6	307.2	302.2	300.0	298.4
76.1	335.8	330.3	327.9	326.1
82.5	364.4	358.4	355.8	353.8
89.0	393.0	386.5	383.7	381.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.9*	137.9	136.9	136.1	135.4
37.3	166.6	165.3	164.5	163.7
43.8	195.5	193.9	192.9	191.9
50.2	224.3	222.6	221.4	220.1
56.7	253.1	251.1	249.8	248.4
59.3**	264.8	262.8	261.4	260.0
63.2	281.8	279.7	278.3	276.9
69.6	310.7	308.2	306.6	304.9
76.1	339.4	336.8	335.2	333.2
82.5	368.2	365.3	363.6	361.5
89.0	397.0	393.9	392.0	389.8

* Minimum operating weight

** Maximum takeoff weight

BAE Jetstream T MK3
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	26.0	28.8	32.4	34.7
10.9	28.9	33.8	37.7	40.3
12.4	31.4	38.7	43.0	45.9
13.9	33.8	43.6	48.2	51.5
15.3	35.7	48.1	53.2	56.7
15.4**	35.9	48.3	53.5	57.1
16.9	39.6	53.1	58.7	62.6
18.4	43.5	57.8	63.8	68.1
19.9	47.2	62.5	69.0	73.7
21.4	50.9	67.2	74.2	79.2
23.0	54.6	71.8	79.3	84.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	21.3	23.4	24.9	26.5
10.9	25.1	27.6	29.4	31.2
12.4	28.9	31.8	33.8	35.9
13.9	32.7	36.0	38.3	40.6
15.3	36.3	40.0	42.5	45.0
15.4**	36.5	40.2	42.7	45.3
16.9	40.3	44.4	47.2	50.0
18.4	44.2	48.7	51.7	54.6
19.9	48.0	52.9	56.1	59.3
21.4	51.9	57.1	60.6	63.9
23.0	55.8	61.4	65.0	68.6

* Minimum operating weight

** Maximum takeoff weight

**BAE Nimrod R MK1-MR MK2
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.3*	102.5	112.0	126.7	159.2
113.2	131.1	146.3	177.3	218.7
135.2	161.8	191.1	233.6	283.0
157.1	194.6	243.0	292.7	350.8
179.0	230.3	300.0	355.3	422.3
192.4**	259.7	335.7	394.9	468.1
200.9	278.9	358.7	420.5	497.9
222.9	330.6	419.4	488.4	576.6
244.8	388.8	482.3	558.8	655.9
266.7	447.8	547.3	632.0	735.7
288.6	508.2	614.2	708.0	816.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.3*	119.6	127.4	138.3	154.3
113.2	154.7	169.7	186.9	208.2
135.2	194.0	217.5	240.0	266.1
157.1	237.7	269.9	297.2	327.3
179.0	286.1	326.1	357.8	392.1
192.4**	318.0	362.2	396.3	432.6
200.9	338.8	385.8	421.3	458.7
222.9	395.2	448.6	487.7	528.5
244.8	455.1	514.3	556.8	600.6
266.7	518.2	582.7	627.9	674.5
288.6	584.1	653.5	701.2	750.1

* Minimum operating weight

** Maximum takeoff weight

BAE Pembroke C MK1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.2*	14.3	15.3	16.2	18.8
11.3	15.4	16.6	17.6	21.7
12.4	16.4	17.8	19.0	25.0
13.5	17.5	19.0	20.8	28.3
13.5	17.5	19.0	20.8	28.3
14.6**	18.4	20.1	23.4	31.7
15.8	19.3	21.2	26.0	35.1
16.9	20.2	22.3	29.0	38.9
18.0	21.0	23.3	32.1	43.0
19.1	21.8	24.3	35.2	47.1
20.2	22.6	25.5	38.4	51.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.2*	11.3	12.2	13.1	14.6
11.3	12.2	13.3	14.4	17.5
12.4	13.1	14.4	17.0	20.3
13.5	14.0	16.2	19.6	23.3
13.5	14.0	16.2	19.6	23.3
14.6**	14.9	18.6	22.3	26.2
15.8	15.9	21.1	25.1	29.2
16.9	18.0	23.6	27.9	32.2
18.0	20.1	26.2	30.7	35.3
19.1	22.3	28.9	33.6	38.3
20.2	24.6	31.6	36.5	41.4

* Minimum operating weight

** Maximum takeoff weight

BAE146-100
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.7*	83.2	90.8	96.3	103.6
55.3	98.6	108.4	115.9	125.6
63.8	114.1	126.4	136.0	150.2
72.4	129.7	144.9	156.8	176.3
81.0	145.6	163.9	178.3	203.6
82.7**	148.7	167.5	182.5	208.9
89.6	161.8	183.3	201.5	231.9
98.2	178.2	203.2	226.3	261.4
106.8	194.8	223.7	252.2	293.0
115.4	211.8	244.6	278.9	325.2
124.0	229.2	267.3	306.5	357.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.7*	95.1	103.5	109.9	116.8
55.3	116.7	127.0	134.7	142.8
63.8	139.2	151.5	160.3	169.5
72.4	162.7	176.7	186.6	196.8
81.0	186.9	202.6	213.5	224.6
82.7**	191.6	207.6	218.7	229.9
89.6	211.8	229.0	240.9	253.0
98.2	237.3	256.0	268.9	282.0
106.8	263.3	283.5	297.2	310.9
115.4	289.9	311.4	326.0	340.4
124.0	317.0	339.8	355.1	370.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-120B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
127.5*	129.9	134.9	140.7	153.2
156.2	159.1	166.9	176.5	198.7
184.9	188.6	200.0	214.9	250.5
213.7	218.5	234.5	256.9	307.8
242.4	248.9	270.4	302.6	376.1
257.3**	265.0	289.8	327.9	414.5
271.1	280.0	308.6	352.4	451.9
299.8	311.7	349.2	406.2	539.7
328.6	344.2	392.2	466.2	637.7
357.3	377.7	438.0	534.6	738.2
386.0	412.1	486.7	607.5	839.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
127.5*	126.5	134.1	145.0	163.5
156.2	157.8	172.0	190.2	217.0
184.9	191.8	214.6	240.9	276.3
213.7	228.7	261.8	296.5	339.9
242.4	269.2	313.8	356.4	406.9
257.3**	291.5	342.3	389.0	442.5
271.1	313.4	369.7	420.0	476.9
299.8	361.1	429.4	486.8	550.3
328.6	412.8	492.8	556.7	625.9
357.3	468.0	558.8	629.1	703.5
386.0	526.5	627.8	703.9	783.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
142.8*	145.7	150.7	157.4	172.8
181.4	185.3	194.2	206.6	237.8
220.1	225.6	240.0	261.4	313.1
258.7	266.8	288.2	323.2	403.2
297.3	309.1	340.0	392.1	509.0
327.0**	342.4	383.3	449.7	605.8
336.0	352.6	396.8	467.9	636.1
374.6	397.7	458.4	557.6	769.5
413.2	444.5	525.1	657.7	903.8
451.9	493.0	596.8	772.0	1039.0
490.5	545.7	676.9	901.2	1176.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
142.8*	143.1	153.0	166.7	188.4
181.4	187.4	207.4	231.3	264.0
220.1	236.8	270.0	304.5	347.8
258.7	292.1	340.3	385.1	437.8
297.3	354.0	417.4	471.9	532.7
327.0**	405.9	480.8	542.1	609.0
336.0	422.3	500.7	563.8	632.2
374.6	496.6	589.1	660.4	735.4
413.2	576.5	682.3	760.7	842.2
451.9	661.5	779.5	864.3	952.4
490.5	751.2	879.9	971.5	1064.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
135.3*	140.2	144.7	150.8	164.4
175.9	182.3	190.9	202.8	232.5
216.4	225.2	239.5	260.8	312.3
257.0	269.1	291.0	326.9	408.8
297.6	314.3	346.7	401.0	524.0
333.6**	355.7	400.9	473.4	645.1
338.1	361.0	408.0	482.9	660.6
378.7	409.4	474.8	582.1	803.5
419.3	459.8	547.4	691.5	946.7
459.8	513.2	625.7	820.3	1091.7
500.4	570.2	717.7	962.3	1239.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
135.3*	137.2	146.0	158.4	178.5
175.9	183.8	203.0	226.1	257.9
216.4	236.3	269.3	303.7	347.0
257.0	295.3	344.5	389.8	442.5
297.6	362.0	427.2	482.7	544.6
333.6**	427.2	506.6	570.3	639.2
338.1	435.8	517.0	581.6	651.3
378.7	516.3	612.3	685.5	762.7
419.3	603.0	712.9	793.3	877.2
459.8	695.5	817.7	905.1	995.4
500.4	793.0	926.5	1020.7	1116.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-420
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
158.7*	154.9	163.2	172.7	193.7
193.1	188.6	201.2	216.5	253.4
227.4	222.8	241.0	265.3	320.9
261.8	257.7	282.8	319.4	401.3
296.2	293.4	327.2	379.1	493.0
312.0**	310.2	349.1	408.4	542.7
330.5	330.1	375.6	444.1	603.4
364.9	367.9	427.5	519.2	719.6
399.3	406.9	483.4	603.4	837.4
433.6	447.2	543.3	694.5	955.1
468.0	490.0	607.1	802.3	1074.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
158.7*	152.2	166.0	183.7	210.3
193.1	190.8	214.5	241.8	278.4
227.4	233.3	269.4	306.5	352.6
261.8	280.4	330.4	376.9	431.0
296.2	332.7	396.8	452.4	513.8
312.0**	358.5	429.1	488.3	553.4
330.5	390.1	468.1	531.6	600.3
364.9	452.4	543.6	614.7	689.8
399.3	519.2	623.1	701.0	781.8
433.6	590.2	706.0	789.9	876.7
468.0	665.4	791.8	881.5	973.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 717-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.5*	136.8	148.2	159.4	177.6
81.1	163.4	178.9	194.8	222.0
93.6	190.6	211.7	233.2	270.3
106.2	218.7	246.0	273.8	319.4
118.7	247.7	281.9	320.6	372.5
121.0**	253.1	288.7	329.5	382.3
131.3	278.2	320.2	369.9	427.6
143.8	310.2	360.2	418.9	483.6
156.4	343.4	406.0	472.6	539.6
168.9	377.7	455.6	528.0	595.7
181.5	413.3	506.2	583.9	650.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.5*	173.4	184.9	193.0	201.5
81.1	212.9	226.3	235.6	245.3
93.6	253.8	269.0	279.4	290.4
106.2	296.0	312.8	324.3	335.8
118.7	339.6	357.6	370.0	382.3
121.0**	347.4	365.8	378.3	391.3
131.3	383.8	403.2	416.4	429.6
143.8	429.0	449.6	463.6	477.3
156.4	475.0	497.0	511.2	525.9
168.9	521.7	544.4	559.7	575.0
181.5	569.2	592.9	608.4	624.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 720
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.8*	108.2	115.3	121.9	134.4
136.7	133.3	143.7	154.6	176.4
162.6	158.6	173.3	189.6	225.3
188.5	184.3	204.3	228.1	285.8
214.4	210.5	236.9	270.1	351.9
229.3**	225.8	256.4	296.1	392.4
240.3	237.3	271.3	316.8	427.5
266.2	264.8	308.4	374.3	516.2
292.1	293.2	347.5	435.8	613.2
318.0	322.4	389.3	502.0	707.2
344.0	352.8	436.5	576.3	801.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
110.8*	103.1	112.1	123.9	142.6
136.7	130.3	146.6	166.0	193.1
162.6	160.5	186.1	213.8	248.5
188.5	194.0	230.6	266.2	308.5
214.4	231.3	279.7	322.9	371.7
229.3**	254.5	309.9	357.0	409.2
240.3	272.6	332.8	383.0	438.0
266.2	318.1	389.7	446.5	506.2
292.1	367.3	449.8	512.2	577.3
318.0	420.0	512.7	580.6	650.3
344.0	476.1	578.2	651.1	725.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 720B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
115.0*	109.9	117.2	124.0	137.3
141.3	134.8	145.4	156.6	179.1
167.5	160.0	174.9	191.5	228.3
193.8	185.5	205.7	229.9	288.6
220.1	211.5	238.2	271.7	354.5
234.3**	225.8	256.4	296.1	392.4
246.4	238.1	272.4	318.4	430.0
272.6	265.4	309.3	375.6	518.3
298.9	293.6	348.1	436.8	614.6
325.2	322.7	389.7	502.5	707.9
351.5	352.7	436.5	576.3	801.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
115.0*	104.9	114.2	126.5	145.8
141.3	132.0	148.8	168.7	196.2
167.5	162.1	188.3	216.4	251.6
193.8	195.6	232.7	268.7	311.2
220.1	232.8	281.6	325.1	374.1
234.3**	254.5	309.9	357.0	409.2
246.4	273.9	334.5	384.8	439.8
272.6	319.2	391.0	447.9	507.7
298.9	368.0	450.7	513.2	578.3
325.2	420.4	513.2	581.1	650.8
351.5	476.1	578.2	651.1	725.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-100/100C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
87.7*	174.0	185.5	195.9	214.9
106.1	211.5	227.8	244.2	271.4
124.5	249.9	271.7	295.8	330.6
143.0	289.2	318.3	350.5	396.0
161.4	329.4	367.5	407.1	465.0
169.0**	346.4	388.5	431.1	494.2
179.8	370.8	419.1	467.3	538.9
198.2	413.2	473.0	532.8	617.0
216.7	457.8	528.9	600.3	696.7
235.1	504.2	586.3	670.2	776.8
253.5	552.3	651.3	747.0	856.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
87.7*	210.4	224.7	235.2	246.5
106.1	264.6	282.2	294.9	308.0
124.5	321.4	341.9	356.5	371.4
143.0	380.1	403.4	419.6	436.2
161.4	440.6	466.4	484.2	502.3
169.0**	466.0	493.0	511.2	530.0
179.8	502.6	530.8	550.1	569.7
198.2	566.1	596.4	616.9	638.0
216.7	630.9	663.4	684.8	706.9
235.1	696.9	730.8	753.6	776.6
253.5	764.0	799.6	823.2	847.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
101.4*	213.4	222.2	233.6	256.4
125.1	265.5	279.6	299.7	330.8
148.7	319.1	341.0	370.6	414.5
172.4	374.4	406.5	444.3	503.7
196.0	431.4	475.8	525.0	601.3
209.5**	464.9	516.8	573.7	657.7
219.7	491.1	548.0	611.4	701.2
243.3	553.9	622.7	701.2	803.6
267.0	619.3	706.3	799.6	905.9
290.6	687.6	793.3	901.5	1008.6
314.3	758.6	883.0	1006.5	1111.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
101.4*	263.5	277.0	286.9	297.7
125.1	338.2	354.8	367.0	379.6
148.7	416.2	435.5	449.4	463.8
172.4	496.9	519.0	534.2	550.3
196.0	579.9	604.2	620.4	638.6
209.5**	628.3	653.3	670.9	689.1
219.7	665.1	691.0	708.8	727.4
243.3	751.9	779.6	798.6	818.0
267.0	840.5	869.7	889.5	910.4
290.6	930.8	960.7	981.8	1003.4
314.3	1022.0	1053.6	1075.2	1097.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 7
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	198.2	205.6	215.0	234.8
114.0	239.4	250.7	266.2	293.3
133.1	281.5	297.5	320.6	355.3
152.1	324.6	347.4	377.9	423.3
171.1	368.8	399.8	436.7	494.6
177.5**	383.9	417.9	457.0	519.1
190.1	414.1	454.5	499.6	571.3
209.2	460.5	511.6	567.5	650.4
228.2	509.5	570.0	637.8	731.7
247.2	560.1	630.0	710.1	813.5
266.3	612.4	697.4	789.1	895.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	242.0	254.4	263.8	274.1
114.0	300.5	315.5	326.8	338.5
133.1	361.4	378.9	391.6	405.1
152.1	424.2	443.8	457.9	472.4
171.1	488.7	510.4	525.6	541.6
177.5**	510.7	532.8	548.6	565.0
190.1	554.9	578.3	594.4	611.7
209.2	622.1	647.1	664.5	682.6
228.2	690.9	717.2	735.2	753.4
247.2	760.4	788.3	807.3	827.1
266.3	831.2	860.4	880.0	900.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 8
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	201.8	207.8	216.4	235.7
114.7	245.4	255.0	269.9	296.5
134.5	290.0	304.1	326.8	361.2
154.2	335.6	356.6	386.6	432.2
173.9	382.4	411.7	448.2	506.6
181.7**	401.2	434.2	473.1	537.1
193.6	430.4	469.4	514.4	587.0
213.4	479.9	529.3	585.4	669.1
233.1	531.9	590.6	659.1	753.7
252.8	585.7	654.3	734.9	838.7
272.6	641.4	725.4	818.4	923.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	246.6	258.2	267.0	276.8
114.7	308.2	322.4	333.0	344.1
134.5	372.3	388.8	400.8	413.7
154.2	438.4	456.8	470.3	484.1
173.9	506.3	526.6	541.1	556.4
181.7**	533.5	554.6	569.6	585.3
193.6	575.8	597.9	613.2	630.0
213.4	646.7	670.2	686.5	703.9
233.1	719.1	743.7	760.9	779.0
252.8	792.2	818.6	836.1	854.9
272.6	866.6	893.7	912.4	932.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 9
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	205.8	211.0	219.5	238.8
117.0	255.5	264.7	280.2	307.5
139.0	306.5	321.1	345.3	382.0
160.9	358.8	381.4	413.3	463.5
182.9	412.6	445.1	483.9	549.6
195.2**	443.4	482.1	527.6	601.6
204.9	468.0	511.9	562.7	641.6
226.9	526.3	580.5	644.9	736.1
248.8	587.0	651.5	729.9	831.8
270.8	650.0	731.0	822.9	927.5
292.8	715.5	813.1	917.6	1023.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	252.1	263.2	271.7	281.4
117.0	322.3	336.1	346.5	357.5
139.0	395.3	411.6	423.5	436.1
160.9	470.9	489.3	502.5	516.6
182.9	548.6	569.0	583.2	598.8
195.2**	592.8	614.3	629.1	645.3
204.9	628.2	650.1	665.5	682.1
226.9	709.7	732.9	749.1	766.4
248.8	792.2	817.3	833.9	852.0
270.8	876.4	902.1	920.0	938.8
292.8	961.9	988.6	1007.1	1026.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
160.0*	359.6	381.3	412.7	462.2
175.3	397.2	425.4	461.7	521.3
190.6	435.5	471.1	513.8	584.8
198.4	455.4	495.1	542.1	617.7
205.9	474.6	518.3	569.4	648.7
221.2**	515.3	566.1	626.7	714.5
236.4	557.3	615.2	685.4	781.4
251.7	600.3	665.6	745.3	848.2
267.0	644.6	721.6	810.9	915.0
282.3	689.9	778.5	876.5	982.0
297.6	736.4	836.5	943.7	1049.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
160.0*	471.5	489.5	502.5	516.3
175.3	525.7	545.0	558.9	573.6
190.6	580.8	601.5	615.8	631.6
198.4	609.3	630.7	645.2	661.3
205.9	636.9	658.4	673.5	689.8
221.2**	693.8	716.2	731.9	749.0
236.4	751.1	774.4	791.1	808.1
251.7	809.4	834.0	850.4	868.6
267.0	868.3	893.2	911.0	929.2
282.3	928.1	953.6	971.4	990.4
297.6	988.0	1014.4	1032.6	1051.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-100
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.0*	116.3	123.9	130.5	139.9
73.4	138.1	148.3	157.2	170.8
84.9	160.1	173.3	184.9	204.9
96.3	182.4	199.0	213.9	242.0
107.8	205.2	225.4	244.3	279.7
110.0**	209.6	230.7	250.3	287.1
119.2	228.3	252.6	276.6	318.1
130.7	251.9	280.4	312.7	357.4
142.1	275.9	309.4	350.0	400.5
153.6	300.5	339.4	387.8	445.5
165.0	325.5	371.3	426.0	492.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.0*	136.1	146.1	153.5	161.6
73.4	166.8	178.9	187.8	197.2
84.9	198.8	213.0	223.1	233.6
96.3	231.8	247.9	259.3	271.2
107.8	265.7	283.7	296.2	309.1
110.0**	272.5	290.8	303.5	316.6
119.2	300.6	320.3	334.0	347.8
130.7	336.5	357.6	372.2	387.5
142.1	372.8	395.6	411.1	426.9
153.6	409.9	434.1	450.5	467.0
165.0	447.7	473.2	490.3	507.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
54.9*	102.2	108.2	113.3	120.5
68.0	126.7	135.4	142.9	154.1
81.0	151.5	163.4	173.8	190.5
94.1	176.8	192.2	206.0	231.9
107.2	202.4	222.0	240.1	274.5
115.0**	218.1	240.2	261.3	300.4
120.2	228.7	252.6	276.5	317.9
133.3	255.4	284.3	317.3	362.5
146.4	282.8	317.3	359.8	411.9
159.4	310.8	351.6	402.6	463.1
172.5	339.4	389.9	446.2	518.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
54.9*	116.8	125.1	131.6	138.7
68.0	150.6	161.5	169.5	178.3
81.0	186.2	199.5	209.0	219.0
94.1	223.2	238.6	249.7	261.2
107.2	261.4	279.0	291.3	304.0
115.0**	284.9	303.7	316.9	330.1
120.2	300.9	320.4	334.0	347.7
133.3	341.4	362.7	377.4	392.6
146.4	382.8	405.8	421.5	437.4
159.4	425.1	449.7	466.4	483.0
172.5	468.1	494.4	511.6	529.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200ADV/-200C/-200QC
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
65.3*	129.0	134.7	140.7	150.4
79.4	157.5	166.0	174.7	189.8
93.5	186.4	198.3	210.5	235.0
107.6	216.0	231.6	248.3	281.7
121.7	246.1	266.0	289.1	329.5
128.1**	260.1	282.1	309.5	351.7
135.8	277.0	301.8	334.5	379.0
149.9	308.6	339.2	381.4	434.0
164.0	340.9	378.0	428.7	491.1
178.1	374.1	422.3	477.3	551.9
192.2	408.0	468.4	528.4	613.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
65.3*	152.8	161.9	168.9	176.6
79.4	192.7	204.3	212.7	221.7
93.5	234.4	248.1	258.0	268.5
107.6	277.7	293.4	304.4	316.0
121.7	322.3	339.6	352.0	364.5
128.1**	342.9	361.1	373.9	387.0
135.8	367.9	387.0	400.4	414.2
149.9	414.7	435.3	449.6	464.1
164.0	462.4	484.5	499.5	515.1
178.1	511.0	534.4	550.3	566.7
192.2	560.4	585.0	601.5	618.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.5*	146.1	151.4	157.7	169.1
87.7	177.7	185.8	195.1	214.2
102.9	209.9	221.3	234.9	263.8
118.1	242.8	258.2	277.0	314.3
133.3	276.5	296.4	324.5	366.4
139.5**	290.4	312.5	344.7	388.7
148.5	310.9	336.4	374.5	423.5
163.7	346.3	378.1	425.1	483.7
178.9	382.5	424.5	476.9	548.1
194.1	419.7	474.0	530.5	613.5
209.3	457.8	524.8	589.6	677.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.5*	176.0	185.4	192.5	200.2
87.7	220.6	232.1	240.5	249.7
102.9	266.9	280.5	290.2	300.5
118.1	314.9	330.2	341.1	352.4
133.3	364.1	381.1	393.1	405.8
139.5**	384.6	402.1	414.6	427.4
148.5	414.6	433.1	446.0	459.2
163.7	466.2	485.8	499.7	513.9
178.9	518.7	539.7	554.4	569.4
194.1	572.2	594.5	609.5	625.5
209.3	626.5	649.6	665.4	682.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-400
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
85.2*	178.4	186.4	195.8	215.0
100.7	212.5	224.1	237.9	267.4
116.3	247.3	263.1	282.6	320.9
131.8	283.1	303.8	333.6	376.1
147.3	319.7	346.4	386.5	437.8
150.0**	326.1	353.9	395.7	448.7
162.9	357.3	390.9	440.3	502.4
178.4	395.9	441.9	495.5	571.1
193.9	435.6	494.9	554.4	639.5
209.5	476.4	548.6	617.6	706.8
225.0	518.5	603.3	683.1	774.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
85.2*	221.5	233.1	241.5	250.7
100.7	270.6	284.2	294.0	304.4
116.3	321.5	336.9	347.9	359.3
131.8	373.7	390.8	403.0	415.7
147.3	427.3	446.0	459.0	472.4
150.0**	436.6	455.7	468.8	482.3
162.9	482.1	502.3	516.0	530.6
178.4	537.9	559.2	574.1	589.3
193.9	594.7	617.4	632.5	648.7
209.5	652.5	675.9	691.8	708.8
225.0	711.1	735.2	751.8	768.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-500
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
69.0*	139.6	145.0	151.2	161.9
84.0	170.8	179.1	188.3	206.1
99.0	202.7	214.4	227.7	255.5
114.0	235.2	250.9	269.3	305.8
129.0	268.4	288.8	315.9	357.7
136.0**	284.2	307.0	338.9	382.7
144.0	302.5	328.4	365.9	413.9
159.0	337.5	369.7	416.2	474.0
174.0	373.3	415.3	467.9	537.9
189.0	410.0	464.5	521.0	603.8
204.0	447.7	515.3	579.9	667.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
69.0*	167.3	176.5	183.5	191.2
84.0	211.1	222.8	231.3	240.3
99.0	257.0	270.7	280.5	291.2
114.0	304.4	320.0	331.2	342.6
129.0	353.3	370.6	382.8	395.8
136.0**	376.5	394.5	407.2	420.6
144.0	403.4	422.4	435.5	448.9
159.0	454.6	474.9	488.9	503.4
174.0	506.8	528.4	543.4	558.8
189.0	560.1	582.9	598.3	614.7
204.0	613.9	638.1	654.0	671.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-600
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
80.2*	163.5	168.3	174.4	187.0
95.4	195.2	202.4	211.4	230.6
110.5	227.3	237.5	251.0	276.1
125.7	260.0	273.5	292.6	322.9
140.9	293.3	311.0	336.1	373.7
144.5**	301.3	320.2	346.8	386.2
156.1	327.1	350.4	381.2	427.3
171.2	361.7	391.3	427.2	483.1
186.4	396.9	433.6	474.5	541.4
201.6	432.8	477.5	527.0	603.7
216.8	469.6	522.5	580.6	665.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
80.2*	193.9	203.9	211.7	220.1
95.4	237.9	250.1	259.3	269.5
110.5	283.3	297.7	308.2	319.7
125.7	330.4	346.5	358.5	370.9
140.9	378.5	396.7	409.7	423.5
144.5**	390.2	408.7	422.0	435.9
156.1	427.9	447.6	461.7	476.4
171.2	478.4	499.8	514.7	530.4
186.4	529.7	552.3	568.5	585.2
201.6	581.9	606.2	622.5	640.6
216.8	635.0	660.3	677.9	696.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-700/700C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	169.4	174.6	181.2	194.9
99.5	204.0	212.0	222.1	243.1
116.1	239.2	250.5	266.0	293.0
132.6	275.1	290.3	312.2	345.3
149.1	311.7	332.3	360.6	402.5
154.5**	323.7	346.4	376.7	421.9
165.6	349.0	376.1	410.3	462.6
182.2	387.1	421.8	461.3	524.4
198.7	426.0	469.2	517.1	592.1
215.2	466.0	518.2	575.3	659.5
231.8	507.8	568.0	635.4	728.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	202.0	212.4	220.4	229.2
99.5	250.3	263.1	272.6	283.3
116.1	300.3	315.3	326.6	338.2
132.6	352.1	369.3	381.7	395.1
149.1	405.3	424.3	438.0	452.1
154.5**	423.0	442.5	456.5	471.0
165.6	459.8	480.6	495.2	510.6
182.2	515.5	537.6	553.6	570.0
198.7	572.2	596.2	612.5	630.1
215.2	629.9	654.9	672.6	690.7
231.8	688.6	714.9	733.0	751.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-800
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.3*	190.6	197.5	206.0	224.2
110.2	231.5	242.0	256.2	282.0
129.1	273.2	288.1	309.7	342.3
148.0	315.8	337.1	366.3	409.2
166.9	359.6	388.7	424.4	479.7
174.2**	376.8	409.4	447.6	507.7
185.7	404.4	442.7	485.4	554.5
204.6	450.3	499.0	552.6	632.9
223.5	498.4	556.8	621.9	713.4
242.4	548.4	616.2	693.4	794.8
261.3	600.0	681.4	770.3	876.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.3*	231.4	243.4	252.3	262.3
110.2	289.2	303.8	314.5	326.2
129.1	349.3	366.4	378.8	392.1
148.0	411.4	430.6	444.4	458.7
166.9	475.3	496.7	511.4	527.2
174.2**	500.5	522.4	537.9	554.2
185.7	540.6	563.6	579.9	596.8
204.6	607.3	632.3	649.2	667.4
223.5	675.5	701.5	719.5	738.4
242.4	744.4	772.1	790.9	810.1
261.3	814.6	843.6	862.9	883.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
94.6*	197.7	205.1	214.4	234.1
113.1	237.9	249.1	264.3	291.1
131.6	278.9	294.6	317.3	351.3
150.2	320.9	343.1	373.0	417.4
168.7	363.9	393.9	430.2	486.8
174.2**	376.9	409.5	447.7	507.9
187.2	408.0	447.1	490.7	560.7
205.7	453.1	502.5	556.7	637.6
224.3	500.5	559.2	624.8	716.8
242.8	549.5	617.5	695.0	796.6
261.3	600.2	681.6	770.6	876.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
94.6*	241.4	253.7	263.1	273.4
113.1	298.4	313.3	324.5	336.2
131.6	357.7	375.1	387.6	401.1
150.2	418.9	438.2	452.2	466.6
168.7	481.6	503.2	518.1	534.0
174.2**	500.6	522.6	538.1	554.4
187.2	545.9	569.1	585.1	602.3
205.7	611.4	636.5	653.5	671.7
224.3	678.3	704.4	722.4	741.3
242.8	746.0	773.6	792.5	811.8
261.3	814.8	843.8	863.1	883.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900ER
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
98.5*	212.3	219.1	229.1	250.3
118.8	258.1	268.9	285.9	314.4
139.2	305.0	321.3	346.4	384.3
159.5	353.1	377.1	409.5	459.9
179.9	402.5	435.7	474.8	539.3
187.7**	421.9	459.1	502.1	572.5
200.2	453.2	497.1	547.2	625.0
220.5	506.2	560.4	622.8	712.0
240.9	561.6	625.5	700.9	800.9
261.2	618.9	696.7	784.8	889.7
281.6	678.2	772.0	872.1	978.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
98.5*	261.3	273.6	282.8	292.8
118.8	326.6	341.2	352.3	363.8
139.2	394.0	411.2	423.6	436.9
159.5	463.8	483.0	496.7	511.2
179.9	535.3	556.5	571.5	587.2
187.7**	563.5	585.3	600.4	616.8
200.2	608.6	631.6	647.2	664.5
220.5	683.5	707.6	724.3	742.0
240.9	759.4	785.0	802.6	821.2
261.2	836.7	863.5	881.7	901.3
281.6	915.4	942.9	962.0	982.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
100.0*	204.8	213.0	223.3	244.5
117.5	242.0	253.8	269.8	297.4
134.9	280.0	296.0	319.0	353.4
152.4	318.7	340.8	370.5	414.5
169.9	358.3	387.6	423.2	478.4
171.5**	362.0	392.0	428.2	484.4
187.4	398.8	436.4	478.0	545.7
204.8	440.3	487.1	538.6	617.1
222.3	483.3	539.2	600.9	689.3
239.8	528.0	592.5	665.2	763.1
257.3	574.1	648.5	731.8	836.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
100.0*	251.4	264.4	274.0	284.8
117.5	304.4	319.7	331.1	342.9
134.9	359.3	376.8	389.5	403.1
152.4	415.8	435.2	449.2	463.6
169.9	473.7	495.0	509.9	525.7
171.5**	479.1	500.7	515.6	531.5
187.4	532.8	555.6	571.9	588.7
204.8	593.0	617.8	634.3	652.5
222.3	654.5	680.3	698.0	716.7
239.8	716.9	744.0	762.7	781.8
257.3	779.8	808.2	827.4	847.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
97.0*	202.5	210.5	220.5	241.2
115.3	242.1	253.9	270.0	297.6
133.5	282.6	298.9	322.4	357.6
151.8	324.0	346.9	377.5	422.9
170.0	366.3	397.2	434.0	491.4
174.2**	376.2	409.0	447.2	507.4
188.3	409.7	449.6	493.9	564.7
206.5	454.2	504.3	559.0	640.5
224.8	500.9	560.1	626.2	718.5
243.0	549.1	617.5	695.3	797.1
261.3	599.0	680.7	769.8	875.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
97.0*	248.2	261.0	270.6	281.2
115.3	304.6	319.9	331.3	343.1
133.5	363.1	380.8	393.6	407.2
151.8	423.5	443.1	457.2	471.8
170.0	485.4	507.1	522.2	538.4
174.2**	499.7	521.8	537.3	553.7
188.3	548.9	572.1	588.3	605.6
206.5	613.2	638.5	655.4	673.9
224.8	679.1	705.4	723.4	742.4
243.0	745.7	773.5	792.4	811.8
261.3	813.4	842.6	862.0	882.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-8
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
424.0*	234.3	236.9	245.5	271.2
539.9	298.7	306.3	324.4	377.6
655.8	364.2	379.2	413.6	510.5
771.7	431.5	457.2	513.4	666.9
887.6	500.3	541.8	633.0	846.0
978.0**	555.4	613.4	737.7	990.2
1003.4	571.2	634.5	769.1	1033.6
1119.3	644.7	733.8	921.8	1235.9
1235.2	721.5	850.6	1094.1	1462.8
1351.1	801.9	978.8	1279.3	1695.2
1467.0	887.5	1119.4	1473.4	1937.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
424.0*	231.9	253.6	279.2	315.0
539.9	310.7	350.6	391.3	442.5
655.8	400.5	461.2	516.5	581.6
771.7	501.5	583.4	652.5	729.9
887.6	613.4	716.1	797.7	886.1
978.0**	708.0	826.1	916.4	1013.0
1003.4	735.6	857.7	950.6	1049.3
1119.3	866.9	1006.9	1110.2	1217.7
1235.2	1006.1	1162.9	1275.2	1391.4
1351.1	1152.5	1324.5	1445.8	1569.7
1467.0	1305.9	1491.8	1621.0	1752.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-100B/300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
358.0*	186.5	190.2	196.8	212.9
443.2	230.6	237.6	249.3	280.6
528.4	275.2	286.9	305.9	359.8
613.7	320.3	337.8	367.6	449.4
698.9	366.3	391.1	437.6	552.6
750.0**	394.3	424.5	483.1	625.1
784.1	413.2	447.5	514.9	674.4
869.3	461.2	507.3	599.2	803.0
954.6	510.1	572.8	691.0	940.9
1039.8	560.4	644.3	793.7	1082.3
1125.0	612.1	720.6	912.3	1237.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
358.0*	179.1	192.6	210.3	237.4
443.2	228.1	252.8	281.4	320.4
528.4	282.2	320.9	360.9	411.6
613.7	342.2	396.5	447.6	508.5
698.9	408.2	478.7	540.6	611.4
750.0**	450.8	530.9	599.2	675.2
784.1	480.4	567.1	639.4	718.9
869.3	558.7	661.2	742.5	830.1
954.6	642.1	760.0	849.6	945.2
1039.8	731.3	862.9	960.9	1063.5
1125.0	825.1	969.9	1075.4	1184.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200B/-200B Combi/-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
376.1*	192.2	196.5	203.9	221.7
473.2	241.6	250.0	263.4	300.3
570.2	291.5	305.6	328.5	392.6
667.2	342.3	363.6	401.3	498.8
764.3	394.2	425.2	484.5	627.8
833.0**	431.7	471.2	548.7	726.9
861.3	447.4	490.8	576.4	767.8
958.4	501.9	561.6	677.5	922.0
1055.4	557.8	642.1	791.5	1080.0
1152.5	615.7	727.9	924.6	1253.9
1249.5	675.8	820.1	1065.4	1430.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
376.1*	185.0	200.0	219.3	248.2
473.2	240.8	269.1	300.7	342.9
570.2	303.3	347.9	392.4	447.4
667.2	373.2	435.9	492.7	559.0
764.3	450.9	531.8	600.6	677.0
833.0**	510.5	604.3	680.8	764.3
861.3	536.1	635.2	714.7	800.3
958.4	628.4	744.9	833.7	928.7
1055.4	727.7	859.7	958.0	1060.8
1152.5	832.9	979.8	1086.5	1196.3
1249.5	943.3	1104.5	1218.6	1335.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200C/-200F
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
342.2*	178.5	181.9	187.9	202.3
443.0	230.7	238.0	249.9	281.7
543.8	283.5	296.6	317.7	377.0
644.6	337.2	357.7	393.0	487.4
745.4	392.1	422.6	481.0	622.3
833.0**	441.0	482.7	564.9	751.5
846.2	448.5	492.1	578.2	770.8
947.1	506.2	568.6	685.9	934.2
1047.9	565.7	653.6	809.4	1103.9
1148.7	627.4	745.6	951.9	1288.6
1249.5	691.7	844.9	1103.1	1476.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
342.2*	170.5	182.5	198.6	223.6
443.0	228.1	253.0	281.9	321.2
543.8	292.7	334.7	377.1	429.9
644.6	365.9	426.7	482.3	547.4
745.4	447.6	527.7	596.1	672.4
833.0**	525.5	622.4	700.7	785.0
846.2	537.8	637.3	716.9	802.7
947.1	636.0	753.8	843.3	938.9
1047.9	742.0	876.3	975.6	1079.3
1148.7	854.4	1004.2	1112.4	1223.7
1249.5	972.9	1137.2	1253.2	1372.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-300 Combi
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
385.4*	204.0	207.7	215.3	235.3
481.4	254.8	262.6	276.8	317.6
577.4	306.3	319.7	344.1	413.4
673.5	358.7	379.5	420.1	523.9
769.5	412.4	443.0	506.3	658.5
833.0**	448.6	487.4	568.2	753.1
865.5	467.3	511.0	601.3	803.1
961.5	523.5	585.9	706.0	957.1
1057.5	581.5	668.2	826.1	1122.5
1153.5	641.4	756.9	962.5	1298.7
1249.5	703.8	852.2	1106.1	1478.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
385.4*	198.6	215.3	236.2	267.1
481.4	257.3	287.8	321.1	364.9
577.4	323.2	370.2	416.1	472.1
673.5	396.6	461.5	519.6	587.1
769.5	477.8	560.6	630.4	707.5
833.0**	535.7	630.4	707.1	790.4
865.5	566.6	667.2	747.1	833.6
961.5	662.4	779.7	868.9	964.2
1057.5	765.0	897.3	995.9	1098.6
1153.5	873.3	1020.3	1126.9	1236.8
1249.5	987.1	1147.6	1261.5	1378.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-400
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
494.0*	265.7	273.5	288.6	333.4
584.1	315.0	328.0	353.3	425.9
674.2	365.1	385.1	426.3	531.6
764.3	416.3	445.6	508.2	659.8
854.4	468.8	510.0	598.0	795.8
870.0**	477.9	521.7	614.3	821.2
944.6	522.3	580.5	696.3	943.3
1034.7	577.3	657.9	806.7	1094.7
1124.8	634.1	740.9	934.3	1261.0
1214.9	693.0	829.6	1068.9	1429.8
1305.0	754.3	924.5	1214.6	1601.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
494.0*	271.1	303.8	338.9	384.7
584.1	335.0	383.3	430.2	486.8
674.2	405.7	470.7	528.9	596.1
764.3	483.3	565.1	634.1	710.5
854.4	567.6	666.0	744.6	829.8
870.0**	582.7	684.0	764.1	850.9
944.6	658.2	772.3	859.5	953.0
1034.7	754.9	883.3	979.3	1080.1
1124.8	856.7	998.7	1102.6	1210.2
1214.9	963.2	1118.4	1229.2	1343.6
1305.0	1074.2	1241.6	1359.2	1479.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-SP
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
325.7*	163.9	165.4	169.9	182.0
405.3	203.7	207.5	216.1	239.0
485.0	243.8	251.1	265.3	306.9
564.6	284.3	296.3	318.6	383.0
644.3	325.6	343.1	376.8	468.5
695.0**	352.2	374.2	419.3	531.6
723.9	367.5	392.3	443.9	571.0
803.6	410.4	444.3	515.9	683.2
883.2	454.4	499.5	594.0	801.6
962.9	499.0	561.0	678.7	923.4
1042.5	544.9	626.3	776.2	1053.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
325.7*	156.8	167.2	181.2	203.1
405.3	200.4	220.0	243.0	275.5
485.0	248.3	279.4	312.2	354.5
564.6	301.1	345.2	388.0	439.9
644.3	359.1	417.2	469.4	529.8
695.0**	398.7	465.7	523.7	589.5
723.9	422.3	494.3	555.6	624.1
803.6	490.7	576.5	646.2	721.9
883.2	564.0	663.2	740.5	822.7
962.9	641.8	753.6	837.7	927.0
1042.5	723.8	847.3	938.5	1033.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-200PF
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
114.0*	115.6	118.6	123.4	134.5
144.0	145.9	151.6	160.7	181.7
174.0	176.5	186.2	201.1	240.4
204.0	207.7	222.5	245.4	306.4
234.0	239.6	261.0	294.8	386.3
256.0**	263.5	290.6	338.8	450.8
264.0	272.3	301.7	354.7	475.4
294.0	306.1	345.2	417.8	577.7
324.0	341.0	392.2	492.3	685.8
354.0	377.2	443.3	574.8	795.4
384.0	414.7	505.9	663.9	907.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
114.0*	110.9	120.1	132.0	150.0
144.0	145.0	162.6	182.4	208.9
174.0	183.5	211.5	239.4	273.7
204.0	226.7	266.3	301.9	343.6
234.0	275.0	326.1	369.2	416.9
256.0**	313.5	373.0	420.9	472.8
264.0	328.2	390.6	440.2	493.7
294.0	385.9	459.0	514.8	573.9
324.0	447.9	531.0	592.5	656.4
354.0	513.6	606.1	672.8	741.6
384.0	582.8	684.1	755.2	827.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
141.8*	148.6	153.3	161.8	182.5
171.0	179.5	187.8	202.1	240.7
200.3	211.0	224.2	246.1	305.7
229.5	243.3	262.6	295.2	384.8
258.8	276.4	303.3	354.6	472.8
270.0**	289.3	319.6	377.9	510.6
288.0	310.5	346.7	417.0	572.8
317.3	345.7	393.5	489.7	680.0
346.5	382.1	444.2	571.1	788.3
375.8	419.9	506.0	659.0	898.8
405.0	459.2	567.2	759.3	1013.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
141.8*	148.8	166.0	185.4	211.2
171.0	187.8	215.1	242.2	275.8
200.3	231.5	269.8	304.5	345.3
229.5	279.9	329.4	371.3	418.0
258.8	333.2	393.6	441.9	494.1
270.0**	354.8	419.3	469.8	524.2
288.0	390.9	461.6	515.8	573.5
317.3	452.7	533.0	592.9	655.4
346.5	518.2	607.6	672.5	738.9
375.8	587.0	685.0	754.3	824.9
405.0	659.1	764.6	838.0	913.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
176.7*	183.2	186.8	193.4	209.1
209.5	217.0	223.1	233.3	259.5
242.4	251.0	260.3	275.5	316.9
275.3	285.2	298.6	320.4	381.9
308.1	319.9	337.9	368.7	453.4
315.0**	327.2	346.3	379.3	469.3
341.0	355.1	378.8	420.3	532.7
373.9	390.8	421.3	479.0	623.0
406.8	427.1	465.9	542.0	720.4
439.6	464.0	512.7	609.4	819.2
472.5	501.5	562.3	681.6	926.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
176.7*	174.8	188.7	206.5	233.4
209.5	212.0	234.4	260.5	297.0
242.4	252.2	284.9	319.6	365.3
275.3	295.8	339.8	383.5	437.7
308.1	343.0	399.4	451.6	513.2
315.0**	353.3	412.3	466.4	529.6
341.0	393.9	462.8	523.4	592.6
373.9	448.5	529.9	598.6	674.7
406.8	506.8	600.7	676.8	759.4
439.6	568.5	674.6	757.5	845.9
472.5	633.5	751.3	840.4	935.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200ER
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
181.6*	185.3	189.0	195.8	212.1
227.3	231.5	238.9	251.0	282.6
272.9	278.2	290.7	311.0	368.1
318.6	325.5	344.4	376.8	465.7
364.2	373.8	401.0	450.7	577.8
395.0**	407.0	441.1	506.8	666.2
409.9	423.2	461.1	535.1	709.9
455.5	473.7	525.3	627.7	847.1
501.2	525.4	594.1	729.6	990.8
546.8	578.6	672.3	843.0	1147.1
592.5	633.6	756.5	973.4	1315.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
181.6*	177.0	191.3	209.6	237.2
227.3	228.9	255.3	285.2	325.3
272.9	286.5	328.1	370.1	422.1
318.6	350.9	409.3	463.1	525.8
364.2	422.2	498.0	562.6	635.6
395.0**	474.2	561.2	633.4	712.2
409.9	500.4	593.0	668.4	750.4
455.5	585.0	694.3	778.8	869.2
501.2	676.0	800.6	893.8	992.2
546.8	772.7	911.3	1013.0	1118.1
592.5	874.3	1026.6	1135.7	1247.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.8*	198.0	202.0	209.6	228.8
227.0	236.7	243.8	256.1	289.1
264.3	275.8	286.9	305.8	359.9
301.5	315.2	331.3	359.6	438.8
338.8	355.3	377.5	418.3	527.5
350.0**	367.6	391.9	437.0	556.3
376.0	396.1	425.9	484.1	629.5
413.3	437.7	477.0	556.3	740.3
450.5	480.1	531.0	634.0	854.7
487.8	523.2	588.6	718.3	972.3
525.0	567.4	651.5	809.6	1098.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.8*	191.2	208.0	228.9	259.3
227.0	235.4	262.6	293.0	333.7
264.3	283.5	323.2	363.6	414.4
301.5	336.4	389.7	439.7	499.3
338.8	394.0	461.2	520.6	588.9
350.0**	412.3	483.8	546.0	616.6
376.0	456.3	537.5	606.1	681.9
413.3	523.2	618.5	695.2	777.9
450.5	594.4	703.3	787.3	877.3
487.8	670.0	791.5	882.7	979.5
525.0	749.6	882.8	981.1	1083.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300 Freighter
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
188.0*	197.9	201.2	208.4	227.0
235.8	248.0	255.3	268.7	306.2
283.6	298.8	311.5	334.7	401.2
331.3	350.4	370.3	408.2	510.9
379.1	403.2	432.7	492.2	640.8
412.0**	440.3	478.1	556.3	739.0
426.9	457.4	499.4	586.8	784.5
474.7	512.6	571.5	691.0	936.0
522.4	569.6	651.0	806.7	1092.3
570.2	628.5	739.3	940.7	1270.3
618.0	689.7	834.2	1084.9	1452.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
188.0*	191.4	207.7	228.0	257.7
235.8	249.2	279.1	311.6	354.3
283.6	314.2	360.2	405.3	460.2
331.3	386.5	450.5	507.6	574.0
379.1	466.8	548.6	617.3	693.3
412.0**	526.4	620.5	696.4	778.4
426.9	554.5	654.1	733.0	818.0
474.7	649.5	765.6	853.6	947.5
522.4	751.2	882.3	979.5	1081.0
570.2	858.6	1004.1	1109.1	1217.9
618.0	971.5	1130.4	1243.0	1358.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300ER
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
175.0*	183.5	186.0	191.8	206.7
223.7	234.3	240.3	251.7	283.0
272.4	285.6	296.9	317.1	375.5
321.2	337.8	355.8	389.6	482.8
369.9	391.1	418.2	472.1	609.3
409.0**	434.9	471.4	546.8	724.5
418.6	445.8	484.9	566.1	753.6
467.3	501.7	557.0	669.7	905.4
516.1	559.1	635.8	784.9	1065.9
564.8	618.6	724.2	917.6	1240.7
613.5	680.4	819.6	1062.9	1425.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
175.0*	175.9	189.0	205.9	231.8
223.7	232.8	258.6	287.7	327.0
272.4	296.6	338.4	380.4	432.3
321.2	368.3	427.9	482.2	545.7
369.9	447.9	525.6	591.9	666.0
409.0**	517.6	609.8	684.4	766.8
418.6	535.4	631.2	708.1	791.3
467.3	630.3	743.3	829.5	922.0
516.1	732.4	860.8	956.5	1056.8
564.8	840.5	983.6	1087.7	1195.1
613.5	953.9	1111.2	1222.7	1337.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-400ER
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
227.4*	247.8	252.9	265.1	300.6
277.1	302.7	313.1	335.6	401.5
326.9	358.5	376.4	414.7	520.8
376.6	415.8	443.8	503.2	659.9
426.3	474.4	516.3	608.1	814.7
450.0**	502.8	553.2	661.6	887.8
476.1	534.6	595.5	723.9	975.5
525.8	596.7	681.1	853.3	1147.2
575.5	661.3	779.3	999.3	1343.0
625.3	728.7	885.4	1156.4	1545.3
675.0	799.3	1000.7	1317.3	1753.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
227.4*	250.5	279.5	310.7	351.8
277.1	321.3	367.0	411.3	464.9
326.9	400.8	464.8	521.4	586.6
376.6	489.1	571.3	639.4	714.9
426.3	585.6	685.9	764.4	849.1
450.0**	634.4	742.8	825.6	914.8
476.1	690.2	806.9	894.8	988.4
525.8	801.9	933.5	1030.7	1132.6
575.5	919.6	1065.9	1170.9	1279.2
625.3	1043.0	1202.8	1315.1	1430.3
675.0	1172.1	1343.9	1463.3	1586.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
302.0*	223.2	222.8	228.2	248.3
374.2	275.8	278.1	290.1	333.3
446.4	328.6	335.8	357.2	439.2
518.6	382.1	395.7	432.4	576.7
590.8	436.5	458.4	519.1	745.4
634.5**	469.9	498.3	577.9	859.8
663.0	491.9	525.2	618.9	940.7
735.2	548.7	597.1	738.0	1153.5
807.4	606.7	676.3	879.5	1394.7
879.6	665.8	763.5	1042.9	1651.6
951.8	726.8	859.7	1224.2	1915.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
302.0*	208.4	228.5	259.0	310.9
374.2	267.9	308.3	361.8	440.1
446.4	336.4	404.6	483.1	586.0
518.6	416.0	517.0	621.0	745.4
590.8	508.1	645.6	772.0	915.2
634.5**	570.3	730.1	869.0	1023.0
663.0	613.4	787.4	934.4	1094.6
735.2	732.3	940.7	1106.7	1281.8
807.4	864.6	1104.7	1286.9	1476.0
879.6	1007.6	1277.4	1474.8	1678.9
951.8	1162.0	1458.2	1669.2	1882.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-300
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
300.0*	224.1	223.7	229.2	249.6
377.0	280.8	283.5	296.2	342.4
454.0	337.8	346.0	369.5	460.9
531.0	395.6	411.0	452.8	616.1
608.0	454.5	479.8	550.3	805.4
662.0**	496.7	531.0	628.0	958.2
685.0	514.8	553.7	663.6	1025.1
762.0	576.8	634.4	803.7	1269.6
839.0	639.7	724.3	969.1	1537.8
916.0	704.6	824.0	1156.5	1819.5
993.0	771.9	934.1	1371.8	2108.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
300.0*	209.3	229.7	260.6	312.9
377.0	273.9	316.7	372.5	453.0
454.0	349.3	422.9	505.7	612.5
531.0	437.8	547.9	657.7	786.5
608.0	541.1	690.8	824.0	973.2
662.0**	622.9	799.9	948.6	1109.5
685.0	660.3	848.3	1003.3	1170.7
762.0	794.6	1018.9	1192.9	1375.1
839.0	943.6	1200.9	1391.6	1589.6
916.0	1105.2	1392.2	1598.5	1807.7
993.0	1278.7	1592.5	1812.3	2033.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-8
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	268.5	270.7	280.1	311.7
306.1	329.1	335.4	354.0	413.5
362.3	390.6	403.0	436.3	531.3
418.4	453.3	474.4	529.8	670.9
474.6	517.0	550.9	633.1	828.7
503.5**	550.3	592.6	690.5	912.6
530.7	582.1	633.4	747.4	992.7
586.8	649.1	724.2	874.3	1166.3
643.0	718.2	822.1	1020.9	1357.4
699.1	789.9	927.2	1179.5	1568.3
755.3	865.2	1040.3	1343.0	1789.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	267.6	293.3	323.2	364.1
306.1	342.1	385.0	428.6	483.7
362.3	425.6	487.4	544.7	612.9
418.4	517.7	599.3	669.4	749.5
474.6	618.7	719.4	801.9	892.7
503.5**	674.1	784.9	872.7	968.8
530.7	728.1	847.5	940.8	1041.6
586.8	844.6	981.8	1085.6	1195.0
643.0	968.5	1122.3	1235.5	1353.4
699.1	1098.8	1267.8	1389.5	1515.7
755.3	1235.0	1418.0	1548.2	1681.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-9
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	271.6	271.8	277.5	299.1
315.8	342.8	346.0	359.3	404.7
381.6	414.7	422.9	449.9	530.5
447.4	487.4	503.4	549.9	677.3
513.2	561.2	589.7	661.1	842.7
561.5**	616.1	656.8	751.9	977.1
579.0	636.3	682.1	786.7	1027.1
644.8	713.2	781.0	926.6	1215.8
710.6	792.3	886.6	1080.5	1426.2
776.4	874.9	1003.6	1247.6	1639.1
842.3	960.8	1130.1	1431.5	1894.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	262.4	281.9	306.6	343.5
315.8	343.8	380.7	421.1	475.2
381.6	434.8	492.3	549.4	620.5
447.4	535.7	616.4	689.2	775.1
513.2	647.1	750.7	839.0	938.9
561.5**	735.0	855.9	955.0	1063.9
579.0	768.2	895.0	997.7	1109.8
644.8	899.5	1048.1	1163.6	1287.4
710.6	1039.0	1208.6	1335.9	1470.8
776.4	1186.6	1375.5	1514.3	1660.5
842.3	1341.6	1548.8	1697.8	1851.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	273.9	274.2	280.1	302.4
315.8	345.8	349.2	362.9	409.6
381.6	418.3	426.9	454.7	537.5
447.4	491.8	508.4	556.2	686.6
513.2	566.2	595.8	669.2	855.0
561.5**	621.8	663.8	761.6	991.0
579.0	642.1	689.4	796.9	1041.7
644.8	719.9	789.8	939.2	1233.5
710.6	799.9	897.3	1095.8	1446.5
776.4	883.6	1016.2	1266.2	1664.3
842.3	970.6	1144.8	1452.5	1924.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
250.0*	265.0	285.0	310.1	347.6
315.8	347.4	385.1	426.2	481.1
381.6	439.7	498.3	556.2	627.9
447.4	542.0	624.1	697.8	784.5
513.2	655.1	760.3	849.6	950.2
561.5**	744.2	866.7	966.7	1076.7
579.0	778.0	906.5	1010.2	1124.8
644.8	911.1	1061.6	1178.1	1302.9
710.6	1052.3	1224.1	1352.5	1488.2
776.4	1202.2	1393.1	1533.1	1678.2
842.3	1359.1	1568.6	1718.6	1873.5

* Minimum operating weight

** Maximum takeoff weight

C-2A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.3*	159.5	158.3	157.8	157.4
42.3	185.7	184.3	183.7	183.2
48.3	211.9	210.3	209.6	209.1
54.2	238.1	236.3	235.5	234.9
60.0	263.4	261.4	260.5	259.9
60.2**	264.3	262.3	261.4	260.7
66.2	290.5	288.3	287.3	286.6
72.1	316.7	314.3	313.2	312.4
78.1	342.9	340.3	339.1	338.3
84.0	369.1	366.3	365.0	364.1
90.0	395.4	392.3	391.0	390.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.3*	160.5	159.9	159.5	159.1
42.3	186.7	186.1	185.7	185.2
48.3	213.0	212.2	211.9	211.3
54.2	239.4	238.5	237.9	237.3
60.0	264.8	263.8	263.3	262.7
60.2**	265.6	264.6	264.2	263.5
66.2	291.8	291.0	290.2	289.4
72.1	318.3	317.0	316.4	315.5
78.1	344.5	343.2	342.5	341.6
84.0	370.8	369.4	368.7	367.7
90.0	397.1	395.7	394.8	393.8

* Minimum operating weight

** Maximum takeoff weight

C-5A/B Galaxy
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
374.0*	100.3	114.0	123.1	137.7
472.4	127.8	145.5	160.5	185.1
570.9	151.9	177.9	200.0	240.9
669.3	178.7	211.2	243.1	309.7
767.8	205.9	248.9	290.4	388.1
840.0**	226.1	276.3	328.7	452.6
866.2	233.5	286.6	343.5	477.5
964.7	261.6	326.8	406.7	581.7
1063.1	290.3	369.9	475.5	700.8
1161.6	319.6	416.1	552.5	827.0
1260.0	349.8	466.5	639.3	961.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
374.0*	113.2	125.2	139.8	164.8
472.4	149.4	170.2	196.3	237.2
570.9	188.5	223.1	263.7	322.6
669.3	232.9	285.1	341.8	417.7
767.8	283.5	356.1	429.7	521.1
840.0**	324.9	413.8	499.7	601.9
866.2	340.9	436.0	526.1	632.3
964.7	405.4	524.3	630.3	749.2
1063.1	477.3	620.5	740.6	871.3
1161.6	556.8	723.5	856.4	998.4
1260.0	643.0	832.3	977.6	1130.4

* Minimum operating weight

** Maximum takeoff weight

C-9 A/C Nightingale
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.2*	116.7	127.2	137.0	151.2
73.6	139.2	153.7	166.9	189.2
85.0	162.3	181.3	198.4	230.9
96.5	186.1	210.2	232.3	273.3
107.9	210.8	240.2	272.0	318.9
110.0**	215.5	245.9	279.7	327.5
119.3	236.5	271.4	314.1	366.1
130.7	263.0	304.5	357.2	414.0
142.2	290.5	342.6	402.7	462.7
153.6	318.8	384.4	450.2	511.5
165.0	348.2	427.3	498.7	560.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
62.2*	146.5	157.1	164.6	172.5
73.6	180.2	192.6	201.3	210.2
85.0	215.1	229.2	238.8	248.8
96.5	251.1	266.7	277.4	288.5
107.9	288.1	305.1	316.6	328.2
110.0**	295.1	312.3	324.1	335.7
119.3	326.2	344.3	356.7	369.0
130.7	364.7	384.2	397.3	410.5
142.2	404.1	424.7	438.4	451.9
153.6	444.2	465.7	480.0	494.3
165.0	484.8	507.3	522.1	537.0

* Minimum operating weight

** Maximum takeoff weight

C-12C/D Huron
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.8*	14.1	14.6	15.1	16.0
9.0	16.0	16.6	17.3	19.2
10.2	17.8	18.6	19.4	22.5
11.5	19.6	20.5	22.2	26.2
12.5	21.1	22.2	24.7	29.6
12.7**	21.3	22.4	25.1	30.1
13.9	23.0	24.3	28.2	34.1
15.1	24.6	26.6	31.3	38.1
16.3	26.2	29.3	34.8	42.6
17.5	27.7	32.0	38.5	47.4
18.8	29.2	34.8	42.3	52.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.8*	12.6	13.2	13.8	14.9
9.0	14.3	15.2	16.6	18.3
10.2	16.1	18.1	19.8	21.7
11.5	18.8	21.1	23.1	25.3
12.5	21.2	23.8	26.0	28.4
12.7**	21.5	24.3	26.5	28.9
13.9	24.4	27.5	29.9	32.6
15.1	27.4	30.8	33.5	36.3
16.3	30.5	34.3	37.1	40.1
17.5	33.6	37.7	40.8	43.9
18.8	36.8	41.3	44.5	47.8

* Minimum operating weight

** Maximum takeoff weight

C-12F Huron
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	14.9	15.4	16.0	17.3
9.9	17.3	18.0	18.8	21.5
11.5	19.6	20.6	22.2	26.3
13.0	21.8	23.0	26.0	31.3
14.6	24.0	25.5	30.0	36.5
15.0**	24.5	26.3	31.0	37.8
16.2	26.0	29.0	34.4	42.0
17.8	28.0	32.6	39.2	48.4
19.3	30.0	36.2	44.1	54.7
20.9	31.8	40.0	49.2	60.9
22.5	33.7	44.3	54.3	67.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	13.3	14.0	14.8	16.3
9.9	15.5	17.2	18.8	20.7
11.5	18.8	21.1	23.1	25.3
13.0	22.4	25.2	27.5	30.0
14.6	26.2	29.5	32.1	34.8
15.0**	27.1	30.6	33.2	36.0
16.2	30.1	33.9	36.7	39.7
17.8	34.2	38.4	41.5	44.7
19.3	38.4	43.0	46.3	49.7
20.9	42.8	47.7	51.2	54.8
22.5	47.2	52.5	56.1	59.9

* Minimum operating weight

** Maximum takeoff weight

C-12J Huron
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.8*	17.0	17.7	18.3	20.7
11.4	19.5	20.3	21.7	25.1
13.1	21.8	22.9	25.7	30.1
14.8	24.1	25.5	29.7	35.5
16.5	26.2	29.1	33.9	41.1
16.6**	26.4	29.4	34.2	41.5
18.2	28.4	32.8	38.2	46.8
19.9	30.4	36.5	43.4	53.6
21.5	32.3	40.4	48.7	60.2
23.2	34.2	44.3	54.2	66.9
24.9	36.0	48.4	59.7	73.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.8*	15.1	16.6	18.1	19.9
11.4	18.3	20.6	22.5	24.7
13.1	22.0	24.8	27.1	29.6
14.8	25.9	29.2	31.8	34.6
16.5	30.0	33.8	36.7	39.7
16.6**	30.3	34.1	37.0	40.1
18.2	34.3	38.5	41.7	45.0
19.9	38.6	43.3	46.7	50.2
21.5	43.2	48.3	51.9	55.6
23.2	47.8	53.3	57.1	61.0
24.9	52.5	58.3	62.4	66.4

* Minimum operating weight

** Maximum takeoff weight

C-17A Globemaster III
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
279.0*	171.5	184.7	199.2	227.1
345.5	212.8	233.1	256.4	305.7
412.0	254.4	284.4	319.5	396.4
478.5	296.6	338.7	391.6	500.3
545.0	340.2	396.5	471.5	622.2
585.0**	367.6	433.4	523.3	704.4
611.5	386.1	458.9	559.3	760.4
678.0	433.7	526.9	656.0	908.8
744.5	483.3	603.3	763.3	1071.0
811.0	535.1	683.8	882.8	1246.1
877.5	589.2	770.3	1014.2	1431.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
279.0*	197.5	212.3	225.3	245.8
345.5	254.5	274.8	294.6	330.5
412.0	314.6	342.0	372.5	427.3
478.5	377.6	414.9	460.7	535.5
545.0	444.1	494.3	558.4	655.2
585.0**	486.0	546.5	621.3	731.5
611.5	514.7	582.8	665.0	783.9
678.0	588.9	678.8	781.3	922.2
744.5	667.9	783.1	905.7	1068.4
811.0	752.3	894.6	1038.8	1221.3
877.5	845.1	1014.0	1179.0	1380.4

* Minimum operating weight

** Maximum takeoff weight

C-20 A-B-C-D Gulfstream III
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
39.3*	78.8	87.2	95.9	115.9
46.6	95.3	106.6	123.0	145.9
53.8	112.6	127.3	151.7	175.9
61.1	130.7	154.5	182.8	206.1
68.3	149.7	182.8	213.7	236.4
69.7**	153.5	188.3	219.7	242.2
75.6	169.6	213.2	244.7	266.7
82.8	192.2	245.2	275.7	297.0
90.1	220.8	277.1	306.7	327.3
97.3	250.0	309.2	337.7	357.7
104.6	280.1	341.1	368.8	388.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
39.3*	105.1	110.8	114.7	118.8
46.6	129.3	135.8	140.2	144.8
53.8	154.5	161.5	166.3	171.2
61.1	180.2	187.7	192.9	198.1
68.3	206.5	214.6	220.0	225.4
69.7**	211.7	219.8	225.3	230.8
75.6	233.4	241.8	247.5	253.3
82.8	260.6	269.5	275.3	281.5
90.1	288.4	297.6	303.5	309.6
97.3	316.6	325.9	332.2	338.5
104.6	345.1	354.6	361.0	367.3

* Minimum operating weight

** Maximum takeoff weight

C-20 F-G-H Gulfstream IV
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.5*	90.3	99.5	112.0	133.7
51.1	108.5	120.8	141.2	165.1
58.7	127.5	146.7	173.4	196.8
66.3	147.5	176.2	206.0	228.6
73.9	168.5	207.1	238.6	260.5
74.6**	170.5	210.2	241.6	263.4
81.5	190.4	240.9	271.2	292.4
89.1	220.0	274.6	303.9	324.3
96.7	250.9	308.4	336.6	356.3
104.3	282.4	342.1	369.3	388.3
111.9	317.6	375.8	401.9	420.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.5*	121.5	127.2	131.2	135.3
51.1	147.9	154.2	158.5	163.0
58.7	175.0	181.8	186.5	191.3
66.3	202.8	210.1	215.0	220.0
73.9	231.1	238.8	244.0	249.3
74.6**	233.8	241.4	246.6	252.0
81.5	260.0	268.0	273.3	279.1
89.1	289.3	297.6	303.1	308.7
96.7	319.3	327.6	333.3	339.0
104.3	349.4	358.0	363.8	369.5
111.9	380.0	388.7	394.5	400.8

* Minimum operating weight

** Maximum takeoff weight

C-21A Gates Learjet 35
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	19.4	19.9	20.6	22.7
12.0	22.8	23.5	25.2	28.0
14.0	26.1	27.4	30.0	34.2
15.9	29.4	31.8	35.0	40.7
17.8	32.6	36.3	40.1	47.4
18.3**	33.4	37.4	41.4	49.1
19.7	35.8	41.0	46.0	55.0
21.7	39.7	45.7	52.3	62.9
23.6	43.7	50.7	58.8	70.7
25.5	47.9	55.7	65.4	78.6
27.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	20.3	21.7	22.9	24.3
12.0	25.2	27.0	28.5	30.2
14.0	30.3	32.5	34.3	36.3
15.9	35.6	38.3	40.3	42.5
17.8	41.1	44.1	46.4	48.8
18.3**	42.6	45.6	47.9	50.3
19.7	46.9	50.2	52.6	55.2
21.7	52.7	56.3	59.0	61.7
23.6	58.7	62.6	65.4	68.3
25.5	64.8	69.0	72.0	75.0
27.5	71.0	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

C-22B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.6*	181.7	194.1	205.5	226.4
109.6	218.5	235.7	253.4	281.9
127.6	256.1	278.8	304.2	340.8
145.6	294.5	324.8	358.0	405.0
163.6	333.9	373.0	413.4	472.7
169.0**	346.0	388.1	430.5	493.6
181.5	374.3	423.6	472.8	545.5
199.5	415.8	476.4	536.8	621.8
217.5	459.5	531.0	602.8	699.6
235.5	504.8	587.0	671.0	777.8
253.5	551.7	650.4	746.0	855.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
91.6*	221.5	236.4	247.4	259.1
109.6	274.9	293.1	306.0	319.5
127.6	330.6	351.5	366.3	381.5
145.6	388.1	411.8	428.1	445.2
163.6	447.3	473.5	491.2	509.6
169.0**	465.5	492.4	510.6	529.5
181.5	508.0	536.3	555.7	575.6
199.5	570.0	600.4	620.9	642.1
217.5	633.2	665.8	687.2	709.4
235.5	697.7	731.6	754.4	777.4
253.5	763.2	798.7	822.3	846.7

* Minimum operating weight

** Maximum takeoff weight

C-23
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	47.5	57.8	62.2	65.3
19.6	53.6	64.9	69.9	73.4
21.7	59.6	72.1	77.5	81.4
23.9	65.5	79.1	85.1	89.5
24.6	67.4	81.4	87.6	92.1
26.1**	71.4	86.2	92.7	97.5
28.2	77.2	93.2	100.3	105.5
30.4	83.0	100.2	107.9	113.5
32.6	88.8	107.2	115.5	121.5
34.7	94.5	114.2	123.0	129.5
36.9	100.2	121.2	130.6	137.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	46.2	49.7	52.0	54.3
19.6	52.2	56.1	58.7	61.3
21.7	58.2	62.6	65.5	68.3
23.9	64.3	69.1	72.2	75.2
24.6	66.2	71.2	74.4	77.5
26.1**	70.3	75.6	78.9	82.3
28.2	76.3	82.0	85.6	89.2
30.4	82.4	88.5	92.4	96.2
32.6	88.4	94.9	99.1	103.1
34.7	94.4	101.4	105.8	110.1
36.9	100.5	107.8	112.5	117.1

* Minimum operating weight

** Maximum takeoff weight

C-27
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.2*	43.9	56.3	61.5	65.3
38.9	53.3	67.9	74.1	78.9
45.6	62.5	79.3	86.6	92.5
52.3	71.5	90.6	99.2	106.3
59.0	80.3	101.9	111.7	120.2
61.7**	83.9	106.4	116.8	125.8
65.7	89.1	113.1	124.3	134.1
72.5	97.7	124.3	136.9	148.1
79.2	106.3	135.4	149.6	162.2
85.9	114.7	146.6	162.3	176.5
92.6	123.2	157.8	175.1	191.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.2*	41.6	46.0	49.3	53.2
38.9	50.9	56.5	60.8	65.9
45.6	60.4	67.3	72.7	79.0
52.3	70.1	78.3	84.8	92.5
59.0	79.9	89.6	97.3	106.5
61.7**	83.9	94.2	102.5	112.2
65.7	89.8	101.1	110.2	120.8
72.5	99.9	112.9	123.4	135.5
79.2	110.2	125.0	136.8	150.5
85.9	120.7	137.3	150.5	165.9
92.6	131.3	150.0	164.6	181.5

* Minimum operating weight

** Maximum takeoff weight

C-27J Spartan
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
37.5*	37.2	58.1	66.5	72.8
45.0	45.4	69.4	79.5	87.3
52.5	53.0	80.5	92.4	101.9
60.0	60.3	91.5	105.3	116.7
67.6	67.4	102.4	118.2	131.6
70.1**	69.7	106.0	122.5	136.6
75.1	74.3	113.2	131.1	146.4
82.6	81.0	124.0	144.1	161.5
90.1	87.6	134.7	157.2	176.8
97.6	94.1	145.4	170.3	192.3
105.2	100.5	156.2	183.6	208.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
37.5*	40.1	46.7	51.6	57.1
45.0	49.1	57.4	63.5	70.5
52.5	58.3	68.3	75.8	84.6
60.0	67.6	79.4	88.5	98.9
67.6	77.1	90.9	101.6	113.9
70.1**	80.4	94.9	106.1	119.0
75.1	86.8	102.7	115.1	129.2
82.6	96.7	114.9	128.9	145.0
90.1	106.8	127.3	143.2	161.2
97.6	117.0	140.1	157.8	177.7
105.2	127.6	153.1	172.8	194.5

* Minimum operating weight

** Maximum takeoff weight

C-32A/B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
136.9*	139.2	144.3	152.2	170.7
164.2	167.0	175.4	188.3	221.7
191.5	195.3	208.0	227.3	279.4
218.8	224.1	242.2	270.3	346.9
246.1	253.6	278.3	317.9	423.6
255.0**	263.4	290.5	338.6	450.5
273.4	283.8	316.3	375.8	510.2
300.6	314.9	357.0	434.7	605.4
327.9	347.0	400.6	505.8	704.3
355.2	380.2	447.6	581.9	804.5
382.5	414.5	505.5	663.4	906.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
136.9*	137.1	152.8	170.8	195.3
164.2	171.2	195.9	221.4	253.2
191.5	209.1	244.0	276.8	315.6
218.8	251.1	296.8	336.4	381.2
246.1	297.3	353.4	399.4	450.2
255.0**	313.3	372.7	420.7	472.6
273.4	347.4	413.7	465.6	520.9
300.6	401.4	477.2	534.5	594.7
327.9	458.7	543.5	605.9	670.4
355.2	519.2	612.4	679.5	748.1
382.5	582.5	683.7	754.8	827.0

* Minimum operating weight

** Maximum takeoff weight

C-37A Gulfstream V
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
48.0*	98.8	106.2	116.0	132.8
57.8	121.0	132.7	146.3	172.4
67.5	144.2	161.3	181.2	213.3
77.3	168.5	191.6	220.8	254.3
87.0	195.2	223.3	263.1	295.0
90.5**	205.2	237.0	278.3	309.7
96.8	223.5	262.6	305.4	335.9
106.5	253.1	304.0	347.7	376.9
116.3	284.1	348.2	389.7	418.2
126.0	316.2	392.2	431.5	459.8
135.8	354.8	436.0	473.4	501.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
48.0*	129.7	136.0	140.5	145.1
57.8	162.3	169.5	174.6	179.9
67.5	196.1	204.1	209.7	215.4
77.3	230.7	239.3	245.4	251.6
87.0	266.2	275.6	281.8	288.3
90.5**	279.2	288.7	295.1	301.6
96.8	302.5	312.2	318.9	325.7
106.5	339.5	349.6	356.6	363.5
116.3	377.0	387.6	394.7	402.3
126.0	415.2	425.8	433.2	440.8
135.8	453.8	464.9	472.2	479.6

* Minimum operating weight

** Maximum takeoff weight

C-38A Courier
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.1	24.7	26.5	28.9
16.3	27.9	29.6	32.1	35.2
18.9	31.7	34.8	37.9	41.9
21.5	35.2	40.1	43.9	48.7
24.0	39.5	45.5	50.0	55.8
24.7**	40.6	46.7	51.5	57.5
26.6	44.1	51.0	56.3	63.5
29.2	48.7	56.6	62.8	72.6
31.8	53.4	62.4	69.5	81.9
34.4	58.1	68.4	76.4	91.4
37.0	62.9	74.4	83.4	101.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.3	26.5	28.3	30.4
16.3	30.0	32.8	35.2	37.7
18.9	36.1	39.5	42.3	45.3
21.5	42.4	46.5	49.6	53.1
24.0	48.9	53.7	57.2	60.9
24.7**	50.5	55.4	59.0	62.8
26.6	55.7	61.0	64.9	68.9
29.2	62.7	68.6	72.8	77.1
31.8	69.9	76.3	80.7	85.4
34.4	77.2	84.1	88.8	93.7
37.0	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

C-40A Clipper
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	170.1	175.4	182.1	196.1
99.5	204.8	213.0	223.3	244.5
116.1	240.2	251.7	267.5	294.8
132.6	276.2	291.7	314.0	347.5
149.1	312.9	334.0	362.8	405.2
154.5**	325.1	348.2	378.9	424.6
165.6	350.4	378.2	412.7	465.6
182.2	388.7	424.1	464.1	528.1
198.7	427.9	471.8	520.5	596.2
215.2	468.1	521.1	579.1	664.1
231.8	510.2	571.2	639.6	733.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	202.9	213.5	221.5	230.4
99.5	251.4	264.4	274.0	284.8
116.1	301.7	316.9	328.3	340.0
132.6	353.8	371.1	383.7	397.2
149.1	407.3	426.5	440.2	454.5
154.5**	425.0	444.7	458.9	473.5
165.6	462.1	483.1	497.8	513.3
182.2	518.1	540.4	556.5	573.1
198.7	574.9	599.3	615.7	633.5
215.2	633.1	658.5	675.9	694.4
231.8	692.1	718.6	736.8	755.9

* Minimum operating weight

** Maximum takeoff weight

C-40B/C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	194.9	202.3	211.3	230.5
112.9	233.1	244.0	258.5	284.7
130.9	272.1	287.1	308.6	341.1
148.8	311.8	332.7	361.3	403.4
166.8	352.5	380.6	415.5	469.0
171.0**	362.3	392.3	428.5	484.8
184.7	394.2	430.7	471.3	537.6
202.7	436.8	482.8	533.5	611.3
220.6	481.0	536.4	597.6	685.4
238.6	527.0	591.3	663.7	761.4
256.5	574.5	649.0	732.4	837.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
95.0*	237.5	249.8	259.1	269.3
112.9	291.6	306.4	317.3	328.9
130.9	347.8	364.8	377.3	390.2
148.8	405.7	424.8	438.6	452.7
166.8	465.2	486.2	501.0	516.6
171.0**	479.4	501.0	516.0	531.8
184.7	525.9	548.6	564.8	581.5
202.7	587.9	612.6	629.0	647.2
220.6	651.2	676.9	694.6	713.2
238.6	715.5	742.4	760.9	780.3
256.5	780.3	808.7	827.9	848.1

* Minimum operating weight

** Maximum takeoff weight

C-41A Casa 212
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	20.2	21.7	25.0	28.5
10.3	22.9	25.0	31.4	35.5
12.4	25.3	30.6	37.6	42.3
14.4	27.2	36.0	43.8	49.1
16.4	28.9	41.2	49.8	55.9
17.6**	29.8	44.3	53.5	60.1
18.4	30.3	46.2	55.8	62.6
20.4	31.6	51.2	61.7	69.3
22.4	32.7	56.1	67.7	76.0
24.4	33.6	60.9	73.5	82.6
26.5	34.4	65.8	79.4	89.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	13.7	14.6	16.5	18.6
10.3	15.5	19.1	21.6	24.1
12.4	19.3	23.6	26.6	29.6
14.4	23.1	28.2	31.7	35.0
16.4	27.0	32.8	36.7	40.4
17.6**	29.4	35.7	39.8	43.8
18.4	30.9	37.4	41.7	45.8
20.4	34.8	42.0	46.7	51.2
22.4	38.7	46.7	51.7	56.6
24.4	42.6	51.3	56.8	61.9
26.5	46.5	55.9	61.8	67.3

* Minimum operating weight

** Maximum takeoff weight

C-90B, King Air
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.3*	17.6	18.7	19.6	22.7
7.2	19.2	20.6	22.8	26.1
8.1	20.7	22.3	25.9	29.4
9	22	23.9	29	32.7
9.6	22.9	24.9	31	34.9
9.9**	23.3	25.6	32	36
10.8	24.4	28.4	35	39.2
11.7	25.5	31.1	37.9	42.5
12.6	26.5	33.7	40.8	45.7
13.5	27.4	36.2	43.7	48.9
14.4	28.3	38.7	46.6	52.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.3*	12.1	12.7	13.3	14.3
7.2	13.1	13.9	15	16.9
8.1	14.1	15.4	17.4	19.5
9	15	17.5	19.8	22.1
9.6	15.6	19	21.4	23.8
9.9**	16.2	19.7	22.2	24.7
10.8	18	21.9	24.6	27.3
11.7	19.8	24	27	29.9
12.6	21.6	26.2	29.4	32.4
13.5	23.5	28.4	31.8	35
14.4	25.3	30.6	34.2	37.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-44A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

C-130E Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.0*	121.3	137.5	145.3	152.6
93.2	155.8	177.2	188.4	199.1
114.3	189.9	217.1	231.7	247.4
135.5	223.7	257.2	275.9	297.8
156.7	257.5	297.8	321.0	350.1
175.0**	286.8	333.2	361.1	397.1
177.8	291.3	338.7	367.4	404.5
199.0	325.2	380.2	415.1	461.0
220.2	359.2	422.3	464.1	519.8
241.3	393.3	465.2	514.5	580.9
262.5	427.7	509.0	566.2	643.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.0*	117.2	127.1	135.4	145.4
93.2	155.2	169.9	182.0	196.1
114.3	195.0	215.0	231.1	249.4
135.5	236.7	262.4	282.5	305.2
156.7	279.9	311.6	336.0	362.3
175.0**	319.2	355.9	383.7	413.6
177.8	325.5	363.0	391.2	421.6
199.0	372.2	415.8	447.9	481.9
220.2	420.7	470.2	506.0	543.8
241.3	470.6	526.0	565.7	606.9
262.5	522.1	583.1	626.2	670.9

* Minimum operating weight

** Maximum takeoff weight

C-130H Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
69.0*	105.0	121.4	129.1	136.0
90.5	136.4	158.4	169.3	179.5
112.0	167.5	195.4	210.0	224.4
133.5	198.3	232.6	251.1	271.2
155.0	229.0	270.2	293.0	319.8
175.0**	257.4	305.4	332.9	366.6
176.5	259.5	308.0	335.9	370.2
198.0	290.1	346.3	380.0	422.4
219.5	320.7	385.2	425.3	476.8
241.0	351.5	424.7	471.8	533.3
262.5	382.3	464.8	519.6	591.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
69.0*	100.9	109.8	117.2	126.1
90.5	135.2	148.7	159.7	172.8
112.0	171.4	189.8	204.7	221.8
133.5	208.9	233.1	252.0	273.5
155.0	248.3	278.2	301.1	326.3
175.0**	286.3	321.6	348.5	377.7
176.5	289.2	324.8	352.1	381.6
198.0	332.0	373.6	404.4	437.9
219.5	375.8	423.5	458.2	494.9
241.0	421.3	474.8	513.3	553.6
262.5	468.1	527.4	569.7	613.4

* Minimum operating weight

** Maximum takeoff weight

C-130J Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
75.6*	136.5	149.7	156.4	163.0
96.3	173.0	190.4	200.0	209.8
117.1	209.2	231.4	243.8	258.4
137.9	245.4	272.6	288.5	309.1
158.6	281.5	314.2	334.3	361.5
175.0**	309.9	347.2	371.1	404.2
179.4	317.6	356.2	381.2	416.0
200.2	353.9	398.7	429.4	472.5
221.0	390.3	442.0	479.0	531.1
241.7	426.9	485.9	529.8	591.9
262.5	463.8	530.7	582.0	654.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
75.6*	131.9	141.6	149.8	159.7
96.3	171.9	186.0	197.8	211.5
117.1	213.7	232.8	248.1	265.9
137.9	257.3	281.7	300.7	322.0
158.6	302.5	332.3	355.2	380.6
175.0**	339.5	373.4	399.2	427.2
179.4	349.7	384.7	411.3	440.0
200.2	398.3	438.7	468.9	500.8
221.0	448.4	494.4	527.7	563.2
241.7	499.9	551.0	588.0	626.6
262.5	552.9	609.2	649.1	690.9

* Minimum operating weight

** Maximum takeoff weight

C-130J-30 Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
79.3*	144.3	158.4	165.7	172.8
99.6	180.3	198.7	208.7	219.3
120.0	216.2	239.2	252.1	267.6
140.4	251.9	280.0	296.4	317.8
160.7	287.6	321.1	341.7	369.8
175.0**	312.7	350.2	374.2	407.4
181.1	323.3	362.6	388.2	423.7
201.4	359.2	404.7	435.9	479.6
221.8	395.2	447.4	484.8	537.5
242.1	431.4	490.8	535.0	597.6
262.5	467.9	535.0	586.5	659.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
79.3*	140.2	150.6	159.5	170.3
99.6	179.9	194.9	207.3	221.6
120.0	221.4	241.3	257.4	275.8
140.4	264.7	289.9	309.4	331.4
160.7	309.6	340.0	363.5	389.4
175.0**	342.1	376.3	402.2	430.4
181.1	356.2	391.9	418.9	448.5
201.4	404.3	445.4	475.8	508.3
221.8	453.8	500.3	534.0	570.0
242.1	504.6	556.2	593.6	632.7
262.5	556.9	613.7	653.9	696.1

* Minimum operating weight

** Maximum takeoff weight

C-135A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
109.0*	107.8	112.6	116.5	123.8
147.2	145.1	153.0	160.9	176.0
185.3	182.5	194.9	208.4	236.1
223.5	220.5	238.7	259.6	310.3
261.6	259.1	284.6	315.9	391.3
299.8**	298.6	332.9	383.2	491.0
301.6	300.5	335.3	386.5	496.1
337.9	339.2	384.2	454.7	606.6
376.1	381.0	439.2	532.6	733.2
414.2	424.1	498.2	624.2	865.6
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
109.0*	102.9	107.0	112.7	123.8
147.2	140.9	150.5	163.7	185.8
185.3	181.5	200.2	223.8	257.5
223.5	226.0	257.2	292.2	337.5
261.6	275.3	321.7	367.9	423.3
299.8**	330.4	393.0	449.9	514.5
301.6	333.1	396.6	454.2	519.0
337.9	391.3	470.5	537.2	610.6
376.1	458.2	553.4	629.4	710.3
414.2	530.6	641.2	725.4	813.4
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

C-135B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
116.8*	115.4	120.7	125.4	133.9
154.1	151.8	160.5	169.3	186.3
191.4	188.5	201.8	216.2	246.5
228.7	225.7	244.9	267.0	320.8
266.0	263.5	290.0	322.7	401.4
301.6**	300.5	335.3	386.5	496.1
303.2	302.3	337.4	389.4	500.7
340.5	342.0	387.9	459.8	614.9
377.8	382.9	441.8	536.3	739.2
415.1	425.1	506.3	626.4	868.6
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
116.8*	110.6	115.5	122.4	135.7
154.1	148.0	159.0	174.0	198.1
191.4	188.3	208.8	234.0	269.8
228.7	232.4	265.6	302.0	348.9
266.0	281.2	329.6	376.9	433.3
301.6**	333.1	396.6	454.2	519.0
303.2	335.6	399.9	457.8	523.1
340.5	395.7	476.0	543.4	617.2
377.8	461.4	557.3	633.7	714.9
415.1	532.4	643.3	727.6	815.8
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

C-141C Starlifter
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
148.1*	157.4	163.7	174.3	199.4
189.2	202.0	214.7	235.0	288.0
230.2	248.0	269.9	305.3	396.3
271.2	295.8	330.0	390.0	530.7
312.3	346.2	396.6	492.3	682.6
345.0**	388.2	455.1	581.8	802.5
353.3	399.2	470.9	606.4	833.3
394.4	455.2	561.5	746.4	985.9
435.4	514.4	663.6	902.3	1145.3
476.5	577.8	774.7	1056.2	1312.6
517.5	646.0	906.6	1210.7	1488.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
148.1*	159.5	178.3	199.3	227.1
189.2	217.2	250.9	283.2	322.0
230.2	284.1	334.1	376.9	424.7
271.2	360.6	426.3	478.3	534.1
312.3	445.8	525.9	586.2	649.4
345.0**	519.1	609.9	676.1	744.7
353.3	538.5	631.9	699.5	768.5
394.4	638.0	743.3	817.0	892.8
435.4	743.6	859.0	939.0	1020.2
476.5	854.2	979.2	1064.8	1150.7
517.5	969.1	1103.3	1193.8	1284.5

* Minimum operating weight

** Maximum takeoff weight

C-146A Wolfhound
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.7*	31.3	36.6	41.4	47.0
23.6	34.5	42.3	48.1	56.2
26.4	38.2	48.3	55.1	66.1
29.2	42.9	54.4	62.3	76.2
30.8	45.6	57.9	66.5	82.4
32.1**	47.7	60.7	70.0	87.3
34.9	52.5	67.2	79.5	98.6
37.8	57.5	73.9	89.3	109.9
40.6	62.5	80.7	99.3	121.2
43.4	67.7	87.8	109.5	132.5
46.3	73.0	96.9	120.9	143.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.7*	37.3	42.0	45.5	49.3
23.6	44.2	49.7	53.7	57.8
26.4	51.4	57.6	62.0	66.5
29.2	58.9	65.7	70.5	75.4
30.8	63.2	70.4	75.4	80.4
32.1**	66.6	74.1	79.2	84.4
34.9	74.4	82.5	88.0	93.4
37.8	82.5	91.1	96.9	102.6
40.6	90.7	99.8	105.9	112.0
43.4	99.1	108.7	115.1	121.4
46.3	107.6	117.7	124.3	130.9

* Minimum operating weight

** Maximum takeoff weight

C-160 Transall
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.8*	28.1	45.7	57.6	68.6
82.7	29.4	51.8	65.7	79.2
92.7	30.3	57.9	74.0	90.2
102.7	31.1	63.9	82.5	101.6
108.4	31.5	67.4	87.5	108.4
112.7**	31.8	70.1	91.2	113.6
122.6	32.3	76.2	100.2	126.1
132.6	32.7	82.5	109.3	141.7
142.6	33.0	88.8	118.8	157.0
152.6	33.3	95.3	128.6	173.2
162.5	33.5	101.9	138.7	190.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
72.8*	29.9	38.9	44.6	51.0
82.7	35.4	45.5	52.0	59.9
92.7	41.0	52.1	59.6	69.3
102.7	46.7	58.9	67.4	79.7
108.4	50.0	62.8	72.0	85.8
112.7**	52.4	65.7	75.6	90.7
122.6	58.3	72.7	84.1	102.9
132.6	64.1	79.9	93.2	116.1
142.6	70.0	87.3	102.9	130.4
152.6	76.0	94.8	113.1	145.6
162.5	82.0	102.7	124.1	161.7

* Minimum operating weight

** Maximum takeoff weight

C-295 Casa
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
25.0*	33.0	43.4	47.4	50.6
30.7	41.8	53.3	58.3	62.6
36.5	49.9	63.2	69.2	74.7
42.2	57.8	73.0	80.2	87.1
48.0	65.5	82.7	91.3	99.7
51.2**	69.7	88.1	97.5	106.8
53.7	73.1	92.5	102.5	112.6
59.5	80.6	102.3	113.8	125.6
65.2	88.0	112.1	125.3	138.9
71.0	95.3	122.0	136.9	152.6
76.7	102.6	132.0	148.7	166.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
25.0*	32.1	35.9	38.9	42.8
30.7	40.5	45.5	49.6	54.7
36.5	49.0	55.5	60.9	67.2
42.2	57.9	66.0	72.6	80.2
48.0	67.0	76.8	84.7	93.6
51.2**	72.2	82.9	91.5	101.1
53.7	76.5	88.0	97.2	107.5
59.5	86.2	99.6	110.1	121.6
65.2	96.3	111.6	123.3	136.1
71.0	106.7	123.9	136.9	151.0
76.7	117.3	136.5	150.8	166.0

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK6-PR MK7-B MK8
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.8*	88.6	93.3	95.4	97.0
30.6	113.8	119.9	122.7	124.7
37.4	139.0	146.5	149.9	152.3
44.3	164.1	173.0	177.1	179.9
51.1	189.1	199.5	204.2	207.5
56.8**	210.1	221.7	226.9	230.7
57.9	214.1	226.0	231.3	235.1
64.8	239.1	252.4	258.4	262.7
71.6	264.0	278.9	285.5	290.3
78.4	289.0	305.3	312.6	317.8
85.2	313.9	331.7	339.7	345.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.8*	85.9	87.9	89.3	90.6
30.6	110.8	113.4	115.1	116.8
37.4	135.7	139.0	140.9	143.0
44.3	160.7	164.4	166.8	169.3
51.1	185.6	189.9	192.6	195.4
56.8**	206.4	211.2	214.3	217.3
57.9	210.5	215.5	218.5	221.5
64.8	235.4	240.8	244.3	247.8
71.6	260.3	266.4	270.2	274.1
78.4	285.1	291.8	295.9	300.0
85.2	310.1	317.2	321.8	326.3

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK15-B MK16
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.0*	123.5	128.8	131.3	133.0
39.4	146.9	153.3	156.2	158.3
45.7	170.3	177.8	181.2	183.6
52.0	193.6	202.2	206.1	208.9
58.3	217.0	226.7	231.0	234.1
59.9**	222.9	232.9	237.4	240.6
64.6	240.3	251.1	255.9	259.4
70.9	263.5	275.5	280.8	284.6
77.2	286.8	299.9	305.7	309.9
83.6	310.1	324.3	330.6	335.1
89.9	333.3	348.7	355.5	360.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.0*	120.7	123.0	124.5	126.1
39.4	143.9	146.6	148.5	150.3
45.7	167.1	170.2	172.4	174.5
52.0	190.3	193.9	196.3	198.6
58.3	213.5	217.7	220.2	222.7
59.9**	219.5	223.7	226.3	228.9
64.6	236.7	241.1	244.1	247.0
70.9	259.9	264.8	268.0	271.3
77.2	283.0	288.5	291.8	295.3
83.6	306.3	312.1	315.8	319.4
89.9	329.6	335.8	339.7	343.7

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK3-T MKII- TT MK18
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	67.0	78.0	82.9	86.4
27.1	82.9	96.5	102.6	107.0
32.3	98.6	114.9	122.2	127.6
37.6	114.2	133.2	141.8	148.0
42.8	129.7	151.5	161.4	168.4
46.0**	139.2	162.7	173.4	180.9
48.1	145.1	169.7	180.9	188.8
53.3	160.5	187.9	200.4	209.1
58.6	175.8	206.1	219.8	229.5
63.8	191.0	224.2	239.2	249.9
69.1	206.2	242.4	258.6	270.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	64.8	68.9	71.5	74.1
27.1	80.9	85.9	89.1	92.3
32.3	97.0	102.9	106.8	110.5
37.6	113.0	120.0	124.4	128.7
42.8	129.1	137.1	142.1	146.9
46.0**	139.0	147.5	152.8	158.1
48.1	145.2	154.1	159.6	165.1
53.3	161.3	171.2	177.3	183.2
58.6	177.5	188.2	194.9	201.4
63.8	193.6	205.2	212.5	219.4
69.1	209.7	222.2	230.1	237.6

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK9
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.0*	102.3	107.7	110.2	112.0
34.4	125.8	132.5	135.6	137.8
40.9	149.2	157.2	160.9	163.5
47.4	172.5	181.9	186.2	189.2
53.9	195.8	206.6	211.5	214.9
57.5**	208.9	220.4	225.6	229.3
60.3	219.1	231.3	236.7	240.6
66.8	242.4	255.9	262.0	266.3
73.3	265.6	280.6	287.2	292.0
79.8	288.9	305.2	312.5	317.7
86.2	312.1	329.8	337.7	343.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.0*	99.5	101.8	103.3	104.8
34.4	122.6	125.5	127.4	129.2
40.9	145.8	149.3	151.5	153.7
47.4	169.1	173.0	175.5	178.1
53.9	192.3	196.8	199.6	202.4
57.5**	205.2	210.0	213.1	216.2
60.3	215.5	220.6	223.6	226.8
66.8	238.7	244.2	247.7	251.2
73.3	261.9	267.9	271.7	275.8
79.8	285.0	291.7	295.8	299.9
86.2	308.3	315.4	319.9	324.4

* Minimum operating weight

** Maximum takeoff weight

Canberra TMK4-T MK17
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	59.4	74.1	80.6	85.2
26.5	71.2	88.8	96.6	102.2
30.9	82.9	103.4	112.5	119.2
35.4	94.4	117.9	128.5	136.1
39.8	105.8	132.4	144.3	152.9
41.4**	109.8	137.4	149.9	158.8
44.3	117.1	146.8	160.2	169.7
48.8	128.3	161.1	176.0	186.4
53.2	139.5	175.5	191.8	203.2
57.7	150.6	189.8	207.5	220.0
62.1	161.7	204.1	223.2	236.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	59.0	64.0	67.3	70.5
26.5	71.4	77.4	81.3	85.2
30.9	83.8	90.9	95.4	99.7
35.4	96.3	104.3	109.4	114.3
39.8	108.7	117.7	123.5	128.9
41.4**	113.1	122.5	128.4	134.1
44.3	121.2	131.2	137.5	143.5
48.8	133.6	144.6	151.5	158.1
53.2	146.1	158.1	165.5	172.7
57.7	158.6	171.5	179.6	187.3
62.1	171.1	184.9	193.6	201.8

* Minimum operating weight

** Maximum takeoff weight

**CC-115 Buffalo, DHC-5
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	32.1	41.6	48.7	56.8
30.7	35.1	49.6	58.4	69.2
35.2	40	57.8	68.9	82.1
39.7	45.7	66.3	80.1	96.2
44.2	51.3	75.1	91.8	112.7
44.5**	51.7	75.7	92.6	113.8
48.7	57.1	84.8	104	130.1
53.2	63	95	116.7	148
57.7	69	105.6	131.4	166.1
62.2	75.2	116.6	147.7	184.2
66.7	81.7	128.1	164.8	202.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	38.8	46	51.4	57.1
30.7	48.3	57	63.3	69.8
35.2	58.3	68.5	75.7	82.9
39.7	68.9	80.3	88.4	96.2
44.2	79.8	92.7	101.3	109.9
44.5**	80.5	93.4	102.2	110.7
48.7	91.2	105.2	114.6	123.8
53.2	102.9	118.1	128.1	137.8
57.7	114.9	131.2	141.8	152.1
62.2	127.2	144.5	155.7	166.5
66.7	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**CC-138 Twin Otter, DHC-6
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	26	28.8	32.4	34.7
10.9	28.9	33.8	37.7	40.3
12.4	31.4	38.7	43	45.9
13.9	33.8	43.6	48.2	51.5
15.3	35.7	48.1	53.2	56.7
15.4**	35.9	48.3	53.5	57.1
16.9	39.6	53.1	58.7	62.6
18.4	43.5	57.8	63.8	68.1
19.9	47.2	62.5	69	73.7
21.4	50.9	67.2	74.2	79.2
23	54.6	71.8	79.3	84.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	21.3	23.4	24.9	26.5
10.9	25.1	27.6	29.4	31.2
12.4	28.9	31.8	33.8	35.9
13.9	32.7	36	38.3	40.6
15.3	36.3	40	42.5	45
15.4**	36.5	40.2	42.7	45.3
16.9	40.3	44.4	47.2	50
18.4	44.2	48.7	51.7	54.6
19.9	48	52.9	56.1	59.3
21.4	51.9	57.1	60.6	63.9
23	55.8	61.4	65	68.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-150, Polaris
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	267.7	286.1	315.1	390.5
284	304.2	329.3	373.8	477.7
316.7	341.5	375.1	437.7	578.2
349.3	379.8	423.7	507	689
363.6	396.8	446.9	538.8	738.9
382**	419.2	478.4	581.7	804.9
414.7	459.8	537.2	668.8	922.3
447.3	501.4	599.9	765.2	1040.7
480	544.6	666.7	871.9	1161.2
512.7	589.3	737.7	985.2	1283.2
545.3	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	290.5	337.4	381.1	432.6
284	343.4	403.1	455.5	514.2
316.7	400.9	473.5	533.5	599.4
349.3	463	548	615.3	687.5
363.6	491.4	581.6	652	726.4
382**	529.3	626.3	700.2	777.9
414.7	599.5	707.8	787.7	871.3
447.3	673.6	792.2	877.7	966.6
480	751.1	879	970.3	1063.9
512.7	831.6	968.6	1065.1	1164.1
545.3	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from A310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CF-118
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.1*	84.4	85.2	85.5	85.8
29.9	109.1	110	110.5	110.8
36.7	133.7	134.9	135.4	135.8
43.4	158.3	159.7	160.4	160.8
50.2	182.9	184.6	185.3	185.9
56**	204	205.9	206.7	207.3
57	207.5	209.4	210.3	210.9
63.7	232.1	234.2	235.2	235.9
70.5	256.6	259	260.1	260.9
77.2	281.2	283.9	285	285.9
84	305.8	308.7	310	310.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.1*	83.8	84.2	84.4	84.7
29.9	108.3	108.8	109.1	109.4
36.7	132.8	133.4	133.8	134.2
43.4	157.4	158	158.4	159
50.2	181.8	182.6	183.1	183.8
56**	202.9	203.8	204.3	205
57	206.4	207.2	207.9	208.6
63.7	231	231.9	232.5	233.2
70.5	255.4	256.5	257.2	258.1
77.2	279.9	281.2	281.8	283
84	304.4	305.6	306.5	307.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from FA-18F which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CH-47
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.0*	33.0	43.8	52.0	64.5
37.7	35.9	51.4	61.9	78.3
42.3	41.3	59.3	73.8	92.5
47.0	46.9	67.5	86.0	106.7
50.0	50.6	73.5	94.3	115.9
51.7**	52.7	77.5	99.4	121.0
56.3	58.8	89.0	113.6	135.2
61.0	65.0	100.9	127.8	149.3
65.7	71.6	113.5	142.0	163.5
70.3	79.6	127.7	156.1	177.7
75.0	90.2	141.9	170.3	192.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.0*	45.2	52.0	56.9	61.9
37.7	54.2	62.1	67.5	72.9
42.3	63.7	72.4	78.3	84.2
47.0	73.5	83.0	89.3	95.6
50.0	79.9	89.9	96.5	103.0
51.7**	83.5	93.8	100.6	107.2
56.3	93.8	104.8	112.0	119.0
61.0	104.4	116.0	123.5	130.9
65.7	115.0	127.3	135.3	142.9
70.3	125.9	138.8	147.1	155.1
75.0	137.0	150.4	159.1	167.4

* Minimum operating weight

** Maximum takeoff weight

CH-53E Super Stallion
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	40.8	44.2	47.4	52.0
34.9	55.4	61.0	66.4	77.7
43.6	70.8	79.1	88.5	106.6
52.3	86.9	98.5	115.1	136.4
61.1	103.9	121.1	144.3	166.0
69.8**	121.8	148.0	174.8	195.7
69.8	121.8	148.0	174.8	195.7
78.5	140.8	176.4	205.4	225.7
87.2	161.3	207.9	235.8	255.7
95.9	188.7	239.2	266.4	285.6
104.6	216.8	270.5	297.0	315.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	50.4	53.8	56.3	59.1
34.9	71.8	76.3	79.6	83.0
43.6	94.6	100.1	103.9	107.8
52.3	118.4	124.7	129.0	133.4
61.1	143.1	150.0	154.7	159.5
69.8**	168.5	176.0	181.1	186.2
69.8	168.5	176.0	181.1	186.2
78.5	194.6	202.6	207.9	213.3
87.2	221.1	229.6	235.1	240.7
95.9	248.1	256.8	262.7	268.7
104.6	275.6	284.8	290.6	296.6

* Minimum operating weight

** Maximum takeoff weight

CH-53K
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.7*	70.9	78.5	86.0	99.0
53.5	88.3	99.7	110.1	132.1
63.4	106.8	122.3	139.5	166.3
73.2	126.5	146.3	172.1	200.8
83.0	147.3	174.0	207.6	235.4
88.0**	158.3	190.6	225.8	253.2
92.8	169.1	206.5	243.1	270.0
102.6	192.1	241.0	278.5	304.5
112.4	216.2	277.4	314.0	339.1
122.2	245.9	314.1	349.4	373.8
132.0	279.6	350.7	384.8	408.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.7*	92.1	98.1	102.4	106.8
53.5	118.3	125.4	130.4	135.4
63.4	145.5	153.7	159.1	164.8
73.2	173.8	182.7	188.7	194.8
83.0	202.8	212.4	218.9	225.3
88.0**	217.9	227.9	234.5	241.2
92.8	232.4	242.6	249.5	256.4
102.6	262.6	273.5	280.6	287.7
112.4	293.4	304.7	312.2	319.7
122.2	324.9	336.4	344.3	352.0
132.0	356.5	368.6	376.6	384.4

* Minimum operating weight

** Maximum takeoff weight

Chinook MH-457E
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.9*	24.9	28.4	35.4	42.2
32.9	28.1	36.2	45.0	54.0
38.9	30.8	44.2	55.1	69.2
44.9	33.2	52.6	65.8	85.2
51.0	35.3	61.4	79.2	102.6
54.0**	36.5	66.0	86.7	111.4
57.0	39.2	70.6	94.1	120.0
63.0	44.8	81.1	110.1	137.3
69.0	50.6	95.1	127.2	154.6
75.0	56.6	109.4	144.3	172.0
81.0	63.0	125.9	161.4	189.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.9*	25.2	31.1	35.6	40.4
32.9	33.9	41.6	47.1	52.8
38.9	43.4	52.7	59.1	65.5
44.9	53.6	64.2	71.4	78.5
51.0	64.3	76.2	84.1	92.0
54.0**	69.9	82.4	90.7	98.7
57.0	75.4	88.5	97.1	105.5
63.0	87.0	101.1	110.3	119.3
69.0	98.8	114.0	123.8	133.3
75.0	110.9	127.0	137.5	147.5
81.0	123.2	140.3	151.3	161.8

* Minimum operating weight

** Maximum takeoff weight

Citation II 550, C550
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	26	28.8	32.4	34.7
10.9	28.9	33.8	37.7	40.3
12.4	31.4	38.7	43	45.9
13.9	33.8	43.6	48.2	51.5
15.3	35.7	48.1	53.2	56.7
15.4**	35.9	48.3	53.5	57.1
16.9	39.6	53.1	58.7	62.6
18.4	43.5	57.8	63.8	68.1
19.9	47.2	62.5	69	73.7
21.4	50.9	67.2	74.2	79.2
23	54.6	71.8	79.3	84.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.3*	21.3	23.4	24.9	26.5
10.9	25.1	27.6	29.4	31.2
12.4	28.9	31.8	33.8	35.9
13.9	32.7	36	38.3	40.6
15.3	36.3	40	42.5	45
15.4**	36.5	40.2	42.7	45.3
16.9	40.3	44.4	47.2	50
18.4	44.2	48.7	51.7	54.6
19.9	48	52.9	56.1	59.3
21.4	51.9	57.1	60.6	63.9
23	55.8	61.4	65	68.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Citation III 650, C650
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.1	24.7	26.5	28.9
16.3	27.9	29.6	32.1	35.2
18.9	31.7	34.8	37.9	41.9
21.5	35.2	40.1	43.9	48.7
24	39.5	45.5	50	55.8
24.7**	40.6	46.7	51.5	57.5
26.6	44.1	51	56.3	63.5
29.2	48.7	56.6	62.8	72.6
31.8	53.4	62.4	69.5	81.9
34.4	58.1	68.4	76.4	91.4
37	62.9	74.4	83.4	101.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.3	26.5	28.3	30.4
16.3	30	32.8	35.2	37.7
18.9	36.1	39.5	42.3	45.3
21.5	42.4	46.5	49.6	53.1
24	48.9	53.7	57.2	60.9
24.7**	50.5	55.4	59	62.8
26.6	55.7	61	64.9	68.9
29.2	62.7	68.6	72.8	77.1
31.8	69.9	76.3	80.7	85.4
34.4	77.2	84.1	88.8	93.7
37	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CL-44 Yukon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
114*	115.6	118.6	123.4	134.5
144	145.9	151.6	160.7	181.7
174	176.5	186.2	201.1	240.4
204	207.7	222.5	245.4	306.4
234	239.6	261	294.8	386.3
256**	263.5	290.6	338.8	450.8
264	272.3	301.7	354.7	475.4
294	306.1	345.2	417.8	577.7
324	341	392.2	492.3	685.8
354	377.2	443.3	574.8	795.4
384	414.7	505.9	663.9	907.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
114*	110.9	120.1	132	150
144	145	162.6	182.4	208.9
174	183.5	211.5	239.4	273.7
204	226.7	266.3	301.9	343.6
234	275	326.1	369.2	416.9
256**	313.5	373	420.9	472.8
264	328.2	390.6	440.2	493.7
294	385.9	459	514.8	573.9
324	447.9	531	592.5	656.4
354	513.6	606.1	672.8	741.6
384	582.8	684.1	755.2	827.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from Boeing 757-200PF which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CN-235 (Civil)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	29.0	36.5	40.6	43.6
25.5	31.9	42.7	47.3	51.0
29.1	34.4	48.7	54.0	58.4
32.8	40.8	54.8	60.8	65.9
36.4	45.6	60.7	67.5	73.5
36.4**	45.6	60.7	67.5	73.5
40.0	50.3	66.7	74.3	81.2
43.7	54.9	72.6	81.1	89.0
47.3	59.3	78.6	87.9	96.8
50.9	63.8	84.5	94.8	104.8
54.6	68.1	90.4	101.7	112.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	25.9	29.1	31.8	35.1
25.5	30.7	34.8	38.1	42.2
29.1	35.7	40.6	44.6	49.5
32.8	40.7	46.6	51.4	57.1
36.4	45.9	52.7	58.3	64.9
36.4**	45.9	52.7	58.3	64.9
40.0	51.2	59.0	65.4	72.8
43.7	56.5	65.5	72.7	81.0
47.3	62.1	72.1	80.2	89.4
50.9	67.7	78.9	87.8	97.8
54.6	73.4	85.8	95.5	106.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL Low Pressure Tires)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	22.5	26.9	34.7	39.8
25.5	24.2	32.0	40.4	46.5
29.1	25.7	36.8	46.1	53.2
32.8	26.8	41.4	51.8	59.9
36.4	27.9	45.9	57.4	66.8
36.4**	27.9	45.9	57.4	66.8
40.0	28.8	50.3	63.0	73.7
43.7	29.6	54.7	68.7	80.7
47.3	30.2	59.0	74.3	87.8
50.9	30.8	63.2	80.0	94.9
54.6	31.3	67.5	85.7	102.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	15.1	19.5	23.4	27.7
25.5	17.7	24.0	28.6	33.8
29.1	21.2	28.6	34.0	40.1
32.8	24.8	33.3	39.6	46.7
36.4	28.4	38.1	45.3	53.4
36.4**	28.4	38.1	45.3	53.4
40.0	32.2	43.1	51.3	60.4
43.7	36.0	48.2	57.4	67.6
47.3	40.0	53.5	63.6	74.8
50.9	44.0	58.9	70.1	82.3
54.6	48.1	64.5	76.6	90.0

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	30.3	37.9	41.5	44.2
25.5	33.4	44.2	48.4	51.6
29.1	39.4	50.5	55.2	59.2
32.8	44.7	56.8	62.1	66.8
36.4	49.7	63.0	69.0	74.5
36.4**	49.7	63.0	69.0	74.5
40.0	54.8	69.2	76.0	82.3
43.7	59.7	75.4	82.9	90.2
47.3	64.6	81.5	90.0	98.2
50.9	69.4	87.7	97.0	106.3
54.6	74.2	93.9	104.1	114.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	27.7	30.8	33.3	36.4
25.5	32.9	36.7	39.8	43.7
29.1	38.1	42.7	46.6	51.2
32.8	43.4	48.9	53.5	59.0
36.4	48.9	55.3	60.6	66.9
36.4**	48.9	55.3	60.6	66.9
40.0	54.4	61.9	68.0	75.1
43.7	60.1	68.6	75.5	83.5
47.3	65.9	75.4	83.2	91.9
50.9	71.8	82.5	91.0	100.7
54.6	77.9	89.7	99.0	109.5

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	29.0	36.5	40.6	43.6
25.5	31.9	42.7	47.3	51.0
29.1	34.4	48.7	54.0	58.4
32.8	40.8	54.8	60.8	65.9
36.4	45.6	60.7	67.5	73.5
36.4**	45.6	60.7	67.5	73.5
40.0	50.3	66.7	74.3	81.2
43.7	54.9	72.6	81.1	89.0
47.3	59.3	78.6	87.9	96.8
50.9	63.8	84.5	94.8	104.8
54.6	68.1	90.4	101.7	112.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	25.9	29.1	31.8	35.1
25.5	30.7	34.8	38.1	42.2
29.1	35.7	40.6	44.6	49.5
32.8	40.7	46.6	51.4	57.1
36.4	45.9	52.7	58.3	64.9
36.4**	45.9	52.7	58.3	64.9
40.0	51.2	59.0	65.4	72.8
43.7	56.5	65.5	72.7	81.0
47.3	62.1	72.1	80.2	89.4
50.9	67.7	78.9	87.8	97.8
54.6	73.4	85.8	95.5	106.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	30.3	37.9	41.5	44.2
25.5	33.4	44.2	48.4	51.6
29.1	39.4	50.5	55.2	59.2
32.8	44.7	56.8	62.1	66.8
36.4	49.7	63.0	69.0	74.5
36.4**	49.7	63.0	69.0	74.5
40.0	54.8	69.2	76.0	82.3
43.7	59.7	75.4	82.9	90.2
47.3	64.6	81.5	90.0	98.2
50.9	69.4	87.7	97.0	106.3
54.6	74.2	93.9	104.1	114.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	27.7	30.8	33.3	36.4
25.5	32.9	36.7	39.8	43.7
29.1	38.1	42.7	46.6	51.2
32.8	43.4	48.9	53.5	59.0
36.4	48.9	55.3	60.6	66.9
36.4**	48.9	55.3	60.6	66.9
40.0	54.4	61.9	68.0	75.1
43.7	60.1	68.6	75.5	83.5
47.3	65.9	75.4	83.2	91.9
50.9	71.8	82.5	91.0	100.7
54.6	77.9	89.7	99.0	109.5

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 3
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	22.5	26.9	34.7	39.8
25.5	24.2	32.0	40.4	46.5
29.1	25.7	36.8	46.1	53.2
32.8	26.8	41.4	51.8	59.9
36.4	27.9	45.9	57.4	66.8
36.4**	27.9	45.9	57.4	66.8
40.0	28.8	50.3	63.0	73.7
43.7	29.6	54.7	68.7	80.7
47.3	30.2	59.0	74.3	87.8
50.9	30.8	63.2	80.0	94.9
54.6	31.3	67.5	85.7	102.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
21.8*	15.1	19.5	23.4	27.7
25.5	17.7	24.0	28.6	33.8
29.1	21.2	28.6	34.0	40.1
32.8	24.8	33.3	39.6	46.7
36.4	28.4	38.1	45.3	53.4
36.4**	28.4	38.1	45.3	53.4
40.0	32.2	43.1	51.3	60.4
43.7	36.0	48.2	57.4	67.6
47.3	40.0	53.5	63.6	74.8
50.9	44.0	58.9	70.1	82.3
54.6	48.1	64.5	76.6	90.0

* Minimum operating weight

** Maximum takeoff weight

CT-114 Tutor (Canadair CL-41A)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5*	19.6	19.6	19.6	19.6
5.5	21.8	21.7	21.7	21.7
6	23.9	23.9	23.8	23.8
6.5	25.8	25.8	25.7	25.7
6.6	26	26	25.9	25.9
7.1**	28.1	28.1	28	28
7.6	30.3	30.2	30.2	30.1
8.2	32.4	32.3	32.3	32.2
8.7	34.5	34.4	34.4	34.3
9.2	36.7	36.5	36.5	36.4
9.8	38.8	38.7	38.6	38.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5*	19.8	19.8	19.7	19.7
5.5	21.9	21.9	21.9	21.9
6	24	24	24	24
6.5	26	25.9	25.9	25.9
6.6	26.2	26.1	26.1	26.1
7.1**	28.3	28.3	28.2	28.2
7.6	30.4	30.4	30.3	30.3
8.2	32.6	32.5	32.5	32.4
8.7	34.7	34.6	34.6	34.6
9.2	36.8	36.7	36.7	36.7
9.8	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CT-156, T-6A-1 (Harvard II)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5*	19.6	19.6	19.6	19.6
5.5	21.8	21.7	21.7	21.7
6	23.9	23.9	23.8	23.8
6.5	25.8	25.8	25.7	25.7
6.6	26	26	25.9	25.9
7.1**	28.1	28.1	28	28
7.6	30.3	30.2	30.2	30.1
8.2	32.4	32.3	32.3	32.2
8.7	34.5	34.4	34.4	34.3
9.2	36.7	36.5	36.5	36.4
9.8	38.8	38.7	38.6	38.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5*	19.8	19.8	19.7	19.7
5.5	21.9	21.9	21.9	21.9
6	24	24	24	24
6.5	26	25.9	25.9	25.9
6.6	26.2	26.1	26.1	26.1
7.1**	28.3	28.3	28.2	28.2
7.6	30.4	30.4	30.3	30.3
8.2	32.6	32.5	32.5	32.4
8.7	34.7	34.6	34.6	34.6
9.2	36.8	36.7	36.7	36.7
9.8	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CV-22
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.0*	64.6	75.3	83.7	95.9
51.0	72.0	84.6	95.0	109.1
55.9	79.5	94.1	106.8	125.1
60.5	86.6	103.0	118.0	139.9
60.9	87.2	103.8	119.0	141.3
65.9**	95.1	114.4	131.6	158.3
70.9	103.1	125.5	144.5	175.6
75.8	111.2	136.9	158.3	192.9
80.8	119.6	148.6	174.4	210.3
85.8	128.1	160.6	190.7	227.6
90.8	136.9	172.9	207.8	245.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.0*	83.2	91.5	97.3	103.2
51.0	94.8	103.9	110.3	116.7
55.9	106.8	116.7	123.5	130.4
60.5	118.0	128.6	135.9	143.1
60.9	119.0	129.7	137.1	144.3
65.9**	131.5	143.0	150.7	158.4
70.9	144.2	156.4	164.6	172.6
75.8	157.2	170.0	178.6	187.0
80.8	170.5	183.8	192.7	201.4
85.8	183.8	197.8	207.0	216.2
90.8	197.3	211.9	221.4	230.8

* Minimum operating weight

** Maximum takeoff weight

CV-580 Conair/Convair
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.5*	42.7	55.7	63.0	70.8
39.5	50.5	66.1	75.4	85.4
45.4	58.2	76.8	88.2	100.7
51.4	65.9	87.7	101.5	116.6
57.4	73.6	99.0	115.2	133.8
58.2**	74.6	100.5	117.0	136.4
63.4	81.3	110.5	129.4	154.0
69.3	89.1	122.4	144.0	174.9
75.3	97.1	134.7	159.2	196.2
81.3	105.2	147.3	175.4	218.9
87.2	113.6	160.3	194.2	243.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.5*	51.1	59.5	65.9	72.8
39.5	63.1	73.6	81.3	89.4
45.4	75.9	88.3	97.2	106.3
51.4	89.3	103.6	113.6	123.7
57.4	103.4	119.4	130.5	141.5
58.2**	105.3	121.5	132.7	143.9
63.4	117.9	135.7	147.7	159.7
69.3	133.0	152.3	165.3	178.1
75.3	148.4	169.3	183.2	196.8
81.3	164.2	186.6	201.4	215.9
87.2	180.4	204.2	219.8	234.9

* Minimum operating weight

** Maximum takeoff weight

Dash 7
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	41.8	51.0	57.5	67.3
31.9	49.0	60.2	68.3	82.5
36.1	56.3	69.8	79.6	99.0
40.4	63.8	79.8	94.1	116.1
44.0	70.4	88.5	106.9	130.5
44.7**	71.6	90.1	109.3	133.1
48.9	79.6	100.9	124.7	150.0
53.2	88.0	114.5	142.0	167.1
57.5	96.6	129.4	159.3	184.1
61.7	105.5	144.6	176.6	201.3
66.0	114.7	160.3	193.8	218.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	54.7	60.9	65.3	69.9
31.9	66.0	73.2	78.2	83.3
36.1	77.8	85.9	91.3	96.8
40.4	90.0	98.8	104.8	110.7
44.0	100.5	110.0	116.3	122.6
44.7**	102.5	112.1	118.5	124.8
48.9	115.3	125.6	132.4	139.1
53.2	128.4	139.3	146.6	153.7
57.5	141.7	153.3	160.9	168.2
61.7	155.3	167.4	175.3	183.0
66.0	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

DASH-8, CC-142
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	41.8	51	57.5	67.3
31.9	49	60.2	68.3	82.5
36.1	56.3	69.8	79.6	99
40.4	63.8	79.8	94.1	116.1
44	70.4	88.5	106.9	130.5
44.7**	71.6	90.1	109.3	133.1
48.9	79.6	100.9	124.7	150
53.2	88	114.5	142	167.1
57.5	96.6	129.4	159.3	184.1
61.7	105.5	144.6	176.6	201.3
66	114.7	160.3	193.8	218.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	54.7	60.9	65.3	69.9
31.9	66	73.2	78.2	83.3
36.1	77.8	85.9	91.3	96.8
40.4	90	98.8	104.8	110.7
44	100.5	110	116.3	122.6
44.7**	102.5	112.1	118.5	124.8
48.9	115.3	125.6	132.4	139.1
53.2	128.4	139.3	146.6	153.7
57.5	141.7	153.3	160.9	168.2
61.7	155.3	167.4	175.3	183
66	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

DC-8-63F/73F
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
162.7*	177.8	186.3	199.4	234.9
203.8	224.8	240.2	264.4	329.9
244.9	273.5	298.6	346.2	447.4
286.0	324.4	362.5	437.8	592.6
327.1	377.7	440.1	545.1	739.4
355.0**	415.6	497.8	627.8	840.2
368.1	433.9	526.0	671.8	887.5
409.2	493.3	619.0	817.7	1036.9
450.3	556.5	729.0	966.2	1189.2
491.4	634.0	852.0	1116.4	1344.1
532.5	715.4	993.9	1267.5	1502.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
162.7*	186.1	205.7	228.5	258.9
203.8	246.2	280.8	314.9	356.2
244.9	315.2	365.9	410.4	460.4
286.0	392.9	459.5	513.3	571.7
327.1	479.1	560.3	622.5	688.0
355.0**	541.9	632.4	699.4	769.4
368.1	572.8	667.3	736.7	808.6
409.2	672.6	779.4	855.3	934.0
450.3	778.6	895.8	978.5	1062.7
491.4	889.5	1017.0	1105.4	1194.6
532.5	1004.9	1142.2	1235.8	1330.1

* Minimum operating weight

** Maximum takeoff weight

DC-9-51
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	42.3	43.8	44.8	46.4
39.7	76.5	80.1	83.5	88.8
57.4	111.2	118.5	125.4	136.8
75.2	147.0	159.0	171.4	191.7
92.9	184.0	202.5	221.9	256.0
110.6**	222.6	249.3	277.1	322.8
121.0	246.0	278.0	314.4	365.1
128.3	262.9	299.3	342.1	395.7
146.1	306.2	353.2	409.2	472.1
163.8	351.8	414.9	481.5	548.6
181.5	399.5	483.2	557.4	624.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	44.5	46.8	48.8	51.3
39.7	87.4	93.1	97.6	102.6
57.4	135.7	144.7	151.3	158.3
75.2	188.0	199.8	208.1	216.7
92.9	243.2	257.5	267.4	277.7
110.6**	300.9	317.3	328.6	339.9
121.0	335.9	353.2	365.2	377.2
128.3	360.7	379.0	391.4	404.2
146.1	422.3	442.1	455.5	468.9
163.8	485.3	506.8	520.8	535.3
181.5	549.9	572.3	587.2	602.8

* Minimum operating weight

** Maximum takeoff weight

DC-10-40
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
270.8*	223.5	229.2	236.2	253.1
337.9	278.1	287.7	300.1	333.8
405.0	332.9	347.4	368.4	425.7
472.0	388.2	409.2	443.4	534.8
539.1	444.3	473.6	525.2	658.9
583.0**	481.3	517.6	582.6	747.3
606.2	501.0	541.7	614.1	796.0
673.3	558.7	614.3	715.9	950.9
740.3	617.5	691.3	827.9	1110.0
807.4	677.6	773.2	949.9	1284.9
874.5	739.3	860.6	1081.9	1457.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
270.8*	209.3	224.6	244.9	277.1
337.9	267.5	296.1	330.0	377.9
405.0	331.4	377.3	425.9	488.5
472.0	402.3	467.9	531.3	608.5
539.1	480.4	567.0	645.3	735.4
583.0**	535.6	636.5	723.8	821.9
606.2	566.2	674.6	766.3	868.6
673.3	659.3	789.2	893.4	1007.3
740.3	759.6	909.8	1026.5	1150.5
807.4	867.2	1036.8	1164.4	1297.9
874.5	980.4	1168.9	1306.5	1449.4

* Minimum operating weight

** Maximum takeoff weight

DO-328
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.7*	24.8	28.6	36.2	43.6
22.6	26.9	33.9	42.9	51.9
25.6	28.8	39.4	49.7	62.3
28.5	30.5	44.9	56.8	72.9
30.8	31.7	49.4	62.6	81.8
31.5**	32.0	50.7	64.2	84.4
34.4	33.4	56.6	73.8	96.4
37.4	34.7	62.8	83.9	108.4
40.4	35.9	69.2	94.3	120.4
43.3	39.1	77.1	105.6	132.4
46.3	43.0	86.6	117.4	144.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.7*	25.5	31.8	36.6	41.6
22.6	31.4	39.0	44.5	50.2
25.6	37.7	46.5	52.7	58.9
28.5	44.5	54.3	61.0	67.8
30.8	49.9	60.5	67.7	74.8
31.5**	51.5	62.3	69.6	76.8
34.4	58.7	70.4	78.3	86.0
37.4	66.2	78.8	87.2	95.2
40.4	73.9	87.3	96.1	104.6
43.3	81.8	96.0	105.2	114.1
46.3	89.8	104.7	114.4	123.8

* Minimum operating weight

** Maximum takeoff weight

Dominie T Mk1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.1	24.7	26.5	28.9
16.3	27.9	29.6	32.1	35.2
18.9	31.7	34.8	37.9	41.9
21.5	35.2	40.1	43.9	48.7
24	39.5	45.5	50	55.8
24.7**	40.6	46.7	51.5	57.5
26.6	44.1	51	56.3	63.5
29.2	48.7	56.6	62.8	72.6
31.8	53.4	62.4	69.5	81.9
34.4	58.1	68.4	76.4	91.4
37	62.9	74.4	83.4	101.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.3	26.5	28.3	30.4
16.3	30	32.8	35.2	37.7
18.9	36.1	39.5	42.3	45.3
21.5	42.4	46.5	49.6	53.1
24	48.9	53.7	57.2	60.9
24.7**	50.5	55.4	59	62.8
26.6	55.7	61	64.9	68.9
29.2	62.7	68.6	72.8	77.1
31.8	69.9	76.3	80.7	85.4
34.4	77.2	84.1	88.8	93.7
37	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Dragonfly, A37
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.2*	27.1	28.5	30	31.1
9.6	30.9	33.6	35.3	36.5
11	34.6	38.7	40.6	41.9
12.5	38.7	43.7	45.8	47.2
13.9	43.4	48.7	51	52.6
14**	43.7	49.1	51.4	53
15.3	48	53.7	56.2	58
16.7	52.5	58.7	61.4	63.3
18.2	57	63.7	66.6	68.7
19.6	61.5	68.7	71.8	74
21	66	73.6	77	79.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.2*	24	25.1	25.8	26.7
9.6	28.4	29.6	30.5	31.5
11	32.7	34.2	35.2	36.3
12.5	37.1	38.8	39.9	41.2
13.9	41.4	43.3	44.6	46
14**	41.8	43.7	45	46.3
15.3	45.8	47.9	49.4	50.8
16.7	50.2	52.5	54.1	55.6
18.2	54.5	57.1	58.8	60.5
19.6	58.9	61.7	63.5	65.3
21	63.3	66.3	68.2	70.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-37B TWEET which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

E-2C Hawkeye
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
38.1*	170.8	168.1	166.8	165.9
42.5	190.6	187.6	186.2	185.2
46.9	210.5	207.1	205.6	204.5
51.4	230.4	226.7	225.0	223.8
51.9	232.9	229.1	227.4	226.2
55.8**	250.3	246.2	244.4	243.1
60.2	270.1	265.7	263.8	262.3
64.6	290.0	285.3	283.2	281.6
69.0	309.9	304.8	302.6	300.9
73.4	329.8	324.4	322.0	320.2
77.9	349.7	343.9	341.4	339.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
38.1*	173.1	171.7	170.8	170.0
42.5	193.2	191.6	190.6	189.6
46.9	213.2	211.5	210.4	209.3
51.4	233.2	231.4	230.2	228.8
51.9	235.7	233.9	232.7	231.3
55.8**	253.3	251.3	249.9	248.6
60.2	273.3	271.1	269.7	268.4
64.6	293.3	291.0	289.5	287.9
69.0	313.4	310.9	309.3	307.5
73.4	333.4	330.7	329.2	327.2
77.9	353.4	350.6	349.0	346.9

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Afloat)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.4*	203.1	198.2	196.0	194.5
49.0	224.5	219.1	216.6	214.9
53.7	245.9	240.0	237.3	235.4
57.5	263.5	257.1	254.2	252.1
58.3	267.4	260.8	257.9	255.8
63.0**	288.8	281.7	278.5	276.3
67.6	310.2	302.6	299.2	296.7
72.3	331.6	323.5	319.8	317.2
76.9	353.1	344.4	340.5	337.6
81.6	374.5	365.3	361.1	358.1
86.3	396.0	386.1	381.8	378.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.4*	207.3	204.8	203.2	201.5
49.0	229.1	226.4	224.5	222.5
53.7	250.8	247.8	245.7	243.7
57.5	268.6	265.4	263.2	261.1
58.3	272.4	269.2	267.0	264.9
63.0**	294.1	290.7	288.2	285.8
67.6	315.9	312.1	309.5	306.9
72.3	337.5	333.6	330.8	328.0
76.9	359.1	355.0	352.1	349.1
81.6	380.8	376.5	373.3	370.2
86.3	402.5	397.9	394.6	391.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Shore)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.4*	194.8	193.3	192.6	192.2
49.0	215.2	213.6	212.9	212.3
53.7	235.7	233.9	233.1	232.5
57.5	252.4	250.5	249.7	249.1
58.3	256.1	254.2	253.3	252.7
63.0**	276.6	274.5	273.5	272.8
67.6	297.0	294.8	293.8	293.0
72.3	317.5	315.1	314.0	313.2
76.9	337.9	335.4	334.2	333.4
81.6	358.4	355.7	354.4	353.5
86.3	378.9	376.0	374.7	373.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.4*	195.9	195.1	194.7	194.2
49.0	216.4	215.6	215.2	214.4
53.7	237.0	236.1	235.5	234.9
57.5	253.8	252.8	252.3	251.7
58.3	257.5	256.5	256.0	255.3
63.0**	277.9	277.0	276.3	275.8
67.6	298.5	297.3	296.7	295.9
72.3	319.1	317.8	317.1	316.3
76.9	339.5	338.3	337.6	336.6
81.6	360.0	358.7	358.0	357.0
86.3	380.5	379.2	378.4	377.4

* Minimum operating weight

** Maximum takeoff weight

E-3 Sentry AWAC
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
180.7*	191.1	198.4	210.2	241.6
214.8	228.0	239.8	259.5	308.8
248.9	265.6	283.2	314.3	387.5
283.0	304.1	329.1	374.8	479.4
317.1	343.6	379.1	440.6	587.0
325.0**	353.0	391.2	456.8	613.4
351.1	384.3	432.7	514.6	703.8
385.2	426.2	490.3	599.7	823.7
419.3	469.5	551.9	691.9	943.7
453.4	515.0	617.4	798.0	1065.0
487.5	563.1	690.8	913.9	1188.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
180.7*	194.9	214.8	238.3	270.6
214.8	240.3	271.5	304.3	345.9
248.9	290.3	334.5	376.2	425.5
283.0	345.6	402.7	452.8	509.7
317.1	405.8	475.9	534.0	597.9
325.0**	420.6	493.8	553.5	619.0
351.1	471.0	553.4	618.9	689.0
385.2	540.5	635.0	707.1	783.0
419.3	614.3	720.0	797.9	879.7
453.4	692.1	807.9	891.6	978.5
487.5	773.5	898.5	988.0	1079.7

* Minimum operating weight

** Maximum takeoff weight

**E-4B National Airborne Operations Center
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
461.5*	244.3	251.0	263.4	298.1
543.5	288.1	299.2	319.2	376.8
625.6	332.5	349.1	379.9	465.4
707.7	377.6	401.3	447.9	565.6
789.7	423.6	456.3	523.5	684.6
800.0**	429.5	463.4	533.5	699.9
871.8	470.6	514.6	605.6	807.9
953.8	518.5	577.0	694.9	941.5
1035.9	567.6	646.2	792.1	1076.8
1117.9	618.0	720.2	905.0	1225.8
1200.0	670.1	798.9	1025.3	1378.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
461.5*	244.0	271.2	301.8	342.9
543.5	298.2	339.0	380.5	432.4
625.6	357.8	413.7	465.9	527.6
707.7	423.1	494.2	556.7	627.9
789.7	494.0	580.6	652.5	732.1
800.0**	503.3	591.8	664.8	746.1
871.8	570.3	672.2	753.0	840.5
953.8	651.8	768.1	856.9	951.9
1035.9	738.4	867.7	964.7	1066.5
1117.9	829.2	971.3	1075.6	1183.3
1200.0	923.5	1078.3	1189.1	1303.2

* Minimum operating weight

** Maximum takeoff weight

E-8C Joint Stars
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
171.0*	177.2	185.2	196.3	223.6
208.0	216.2	229.2	248.0	294.8
245.0	256.0	275.5	306.5	378.1
282.0	296.8	324.3	371.6	477.4
319.0	338.7	378.4	443.2	595.3
336.0**	358.4	404.6	478.3	653.3
356.0	382.0	436.7	525.3	723.3
393.0	426.9	499.7	619.4	853.9
430.0	473.3	567.4	722.8	984.7
467.0	522.9	640.1	844.2	1117.4
504.0	575.3	726.3	975.0	1252.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
171.0*	177.9	195.7	217.4	247.8
208.0	224.8	254.7	286.8	327.8
245.0	277.2	321.4	363.6	413.6
282.0	335.6	394.5	446.3	504.6
319.0	400.0	473.7	534.2	600.3
336.0**	431.7	511.9	576.2	645.5
356.0	470.4	558.0	626.7	699.7
393.0	546.1	647.1	723.0	801.9
430.0	626.8	740.1	822.3	907.8
467.0	712.3	836.5	925.2	1016.5
504.0	801.7	936.2	1031.0	1128.2

* Minimum operating weight

** Maximum takeoff weight

EC-130E Commando Solo
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78.0*	124.1	144.1	153.8	162.7
98.5	155.4	181.3	194.6	207.3
119.0	186.4	218.6	235.6	253.6
139.5	217.2	256.1	277.5	301.8
160.0	247.8	294.1	320.3	351.9
175.0**	270.2	322.0	352.2	389.6
180.5	278.5	332.4	364.1	403.7
201.0	309.1	371.2	409.3	457.7
221.5	339.9	410.6	455.6	513.8
242.0	370.8	450.7	503.2	572.1
262.5	401.9	491.6	552.1	632.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78.0*	121.7	133.4	143.0	154.5
98.5	157.2	173.9	187.4	202.9
119.0	194.4	216.6	234.0	253.9
139.5	233.4	261.2	282.7	306.9
160.0	273.9	307.5	333.2	361.1
175.0**	304.6	342.8	371.3	402.3
180.5	316.2	355.8	385.5	417.4
201.0	359.8	405.5	439.0	474.5
221.5	404.9	456.7	494.0	533.2
242.0	451.5	509.2	550.3	593.0
262.5	499.5	562.8	607.7	653.8

* Minimum operating weight

** Maximum takeoff weight

EC-130H Compass Call
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78.0*	127.7	146.2	155.3	163.7
98.5	160.0	184.0	196.5	208.6
119.0	192.0	221.9	237.9	255.2
139.5	223.8	260.1	280.2	303.7
160.0	255.6	298.7	323.5	354.1
175.0**	278.8	327.1	355.8	392.1
180.5	287.3	337.6	367.8	406.2
201.0	319.1	377.1	413.4	460.5
221.5	351.0	417.2	460.2	516.9
242.0	383.0	457.9	508.2	575.4
262.5	415.2	499.5	557.6	635.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78.0*	124.6	136.0	145.4	156.7
98.5	161.0	177.1	190.3	205.8
119.0	199.0	220.6	237.5	257.1
139.5	238.8	265.8	286.9	310.2
160.0	280.1	313.0	338.1	365.2
175.0**	311.4	348.6	376.6	406.8
180.5	323.3	361.8	390.9	422.0
201.0	367.7	412.3	445.0	479.7
221.5	413.7	464.1	500.5	538.9
242.0	461.1	517.0	557.4	599.2
262.5	509.9	571.6	615.4	660.5

* Minimum operating weight

** Maximum takeoff weight

EC-130J Commando Solo
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
109.5*	195.9	216.3	227.6	240.3
126.5	225.5	249.9	263.8	281.0
143.5	255.0	283.8	300.7	323.0
160.5	284.6	317.8	338.3	366.2
175.0	309.8	347.0	370.9	404.1
177.5**	314.2	352.1	376.6	410.7
194.5	343.8	386.8	415.9	456.6
211.5	373.5	422.0	456.1	503.9
228.5	403.4	457.6	497.0	552.7
245.5	433.4	493.7	538.9	602.9
262.5	463.6	530.4	581.7	654.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
109.5*	198.1	215.3	229.4	245.5
126.5	233.0	254.5	271.6	291.1
143.5	269.2	295.1	315.2	337.5
160.5	306.5	336.8	360.0	385.7
175.0	339.4	373.3	399.0	427.0
177.5**	345.1	379.6	405.8	434.2
194.5	384.6	423.6	452.7	483.7
211.5	425.2	468.6	500.4	534.4
228.5	466.7	514.4	549.1	585.9
245.5	509.1	561.2	598.8	637.9
262.5	552.6	608.9	648.7	690.5

* Minimum operating weight

** Maximum takeoff weight

EC-130J Super J
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.7*	150.8	165.7	173.4	181.2
103.1	184.7	203.6	214.0	225.3
122.4	218.4	241.8	255.0	271.0
141.7	252.0	280.2	296.8	318.5
161.1	285.6	318.9	339.5	367.6
171.8**	304.3	340.6	363.7	395.7
180.4	319.2	358.0	383.3	418.4
199.7	352.9	397.6	428.2	471.0
219.1	386.8	437.8	474.2	525.4
238.4	420.8	478.6	521.3	581.7
257.7	455.1	520.1	569.6	639.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.7*	147.4	158.7	168.3	179.8
103.1	185.2	200.9	213.8	228.7
122.4	224.5	244.9	261.3	280.0
141.7	265.4	290.9	310.5	332.5
161.1	307.8	338.2	361.5	387.3
171.8**	332.3	365.2	390.4	417.9
180.4	351.8	386.9	413.8	442.5
199.7	397.0	437.3	467.4	499.2
219.1	443.5	489.0	522.0	557.2
238.4	491.3	541.5	578.0	616.1
257.7	540.2	595.4	634.6	675.7

* Minimum operating weight

** Maximum takeoff weight

EC-135A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
119.3*	117.9	123.4	128.2	137.2
156.3	154.0	162.9	172.0	189.6
193.3	190.4	204.0	218.8	252.7
230.3	227.4	246.8	269.4	324.3
267.3	265.0	291.7	324.9	404.9
301.6**	300.5	335.3	386.5	496.1
304.4	303.4	338.9	391.4	503.8
341.4	342.9	389.0	461.4	617.5
378.4	383.5	442.6	537.5	741.1
415.4	425.4	506.8	627.1	869.6
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
119.3*	113.0	118.2	125.6	139.4
156.3	150.3	161.8	177.3	202.1
193.3	190.5	211.6	237.3	273.7
230.3	234.5	268.3	305.2	352.6
267.3	283.2	332.0	379.8	437.1
301.6**	333.1	396.6	454.2	519.0
304.4	337.3	402.0	460.3	525.9
341.4	397.1	477.8	545.3	619.4
378.4	462.4	558.5	635.1	716.3
415.4	533.0	643.9	728.3	816.5
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
135.6*	133.8	140.6	147.1	159.4
170.8	168.2	178.8	189.9	212.2
206.0	203.0	218.4	235.6	276.3
241.2	238.3	259.8	285.1	346.9
276.4	274.3	303.0	339.3	428.1
301.6**	300.5	335.3	386.5	496.1
311.6	311.1	348.5	404.6	524.5
346.8	348.8	396.7	472.2	634.9
382.0	387.5	448.1	545.2	753.7
417.2	427.5	509.9	631.8	875.9
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
135.6*	129.2	136.7	147.3	166.0
170.8	165.6	180.5	199.9	229.1
206.0	205.1	230.2	259.9	300.1
241.2	248.3	286.4	326.5	376.8
276.4	295.9	348.6	399.0	457.9
301.6**	333.1	396.6	454.2	519.0
311.6	348.6	416.4	476.4	543.9
346.8	406.3	489.3	558.3	633.7
382.0	469.1	566.7	644.0	726.0
417.2	536.4	648.2	732.9	821.6
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135E
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
116.0*	114.6	119.9	124.4	132.9
153.4	151.1	159.7	168.4	185.2
190.8	187.9	201.1	215.4	245.4
228.1	225.2	244.2	266.2	319.8
265.5	263.1	289.4	322.0	400.3
301.6**	300.5	335.3	386.5	496.1
302.9	301.9	337.0	388.8	499.7
340.3	341.7	387.5	459.3	614.0
377.6	382.7	441.5	535.9	738.6
415.0	425.0	506.1	626.2	868.3
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
116.0*	109.8	114.6	121.4	134.4
153.4	147.3	158.1	173.0	196.8
190.8	187.6	207.9	233.0	268.5
228.1	231.8	264.7	301.0	347.7
265.5	280.6	328.8	376.0	432.3
301.6**	333.1	396.6	454.2	519.0
302.9	335.1	399.2	457.1	522.2
340.3	395.2	475.4	542.7	616.6
377.6	461.1	556.9	633.3	714.4
415.0	532.2	643.1	727.3	815.5
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135G
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
122.8*	121.3	127.0	132.2	141.9
159.4	157.1	166.3	175.8	194.4
196.0	193.1	207.1	222.3	257.7
232.7	229.7	249.6	272.7	329.0
269.3	267.0	294.1	327.9	409.8
301.6**	300.5	335.3	386.5	496.1
305.9	305.1	340.9	394.2	508.2
342.5	344.1	390.7	463.7	621.3
379.2	384.4	443.8	539.1	743.8
415.8	425.9	507.4	628.1	870.9
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
122.8*	116.5	122.1	130.1	144.9
159.4	153.5	165.7	182.1	208.0
196.0	193.6	215.5	242.1	279.3
232.7	237.4	272.2	309.7	357.7
269.3	285.9	335.6	383.9	441.2
301.6**	333.1	396.6	454.2	519.0
305.9	339.7	405.1	463.8	529.7
342.5	399.1	480.2	548.1	622.4
379.2	463.8	560.3	637.0	718.3
415.8	533.6	644.8	729.3	817.6
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135H
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
139.4*	137.5	144.7	151.6	164.8
174.2	171.6	182.5	194.2	217.6
209.0	206.0	221.8	239.6	281.9
243.7	240.9	262.8	288.9	352.2
278.5	276.5	305.7	342.7	433.6
301.6**	300.5	335.3	386.5	496.1
313.3	312.8	350.7	407.8	529.4
348.1	350.1	398.5	474.7	639.0
382.8	388.5	449.3	546.6	756.6
417.6	428.0	510.6	632.9	877.3
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
139.4*	133.1	141.2	152.7	172.4
174.2	169.3	185.0	205.3	235.6
209.0	208.5	234.7	265.2	306.3
243.7	251.6	290.6	331.5	382.5
278.5	298.9	352.5	403.5	462.9
301.6**	333.1	396.6	454.2	519.0
313.3	351.2	419.8	480.3	548.1
348.1	408.5	492.3	561.3	636.9
382.8	470.6	568.6	646.1	728.2
417.6	537.3	649.2	734.0	822.7
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135J
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
138.1*	136.2	143.3	150.1	163.0
173.0	170.4	181.3	192.7	215.8
207.9	205.0	220.7	238.2	280.0
242.9	240.0	261.8	287.6	350.4
277.8	275.7	304.7	341.5	431.7
301.6**	300.5	335.3	386.5	496.1
312.7	312.2	349.9	406.7	527.7
347.6	349.7	397.9	473.9	637.6
382.6	388.2	448.9	546.4	755.6
417.5	427.8	510.3	632.5	876.8
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
138.1*	131.7	139.6	150.8	170.2
173.0	168.0	183.5	203.4	233.3
207.9	207.3	233.1	263.4	304.2
242.9	250.4	289.3	329.8	380.5
277.8	297.9	351.2	402.0	461.2
301.6**	333.1	396.6	454.2	519.0
312.7	350.3	418.7	479.2	546.6
347.6	407.8	491.3	560.3	635.8
382.6	470.1	568.0	645.4	727.5
417.5	537.0	648.9	733.6	822.3
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135K
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
134.4*	132.6	139.3	145.7	157.8
169.7	167.2	177.6	188.6	210.5
205.1	202.1	217.4	234.3	274.5
240.4	237.5	258.8	284.0	345.2
275.7	273.6	302.2	338.2	426.4
301.6**	300.5	335.3	386.5	496.1
311.1	310.5	347.7	403.7	523.0
346.4	348.3	396.1	471.4	633.6
381.7	387.3	447.7	544.7	752.8
417.1	427.4	509.6	631.4	875.4
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
134.4*	128.0	135.3	145.7	164.0
169.7	164.5	179.1	198.2	227.1
205.1	204.0	228.8	258.2	298.1
240.4	247.3	285.1	324.9	375.0
275.7	295.0	347.4	397.6	456.3
301.6**	333.1	396.6	454.2	519.0
311.1	347.7	415.4	475.2	542.5
346.4	405.7	488.5	557.3	632.6
381.7	468.6	566.1	643.4	725.2
417.1	536.2	647.9	732.6	821.2
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135L
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
112.8*	111.5	116.5	120.8	128.7
150.5	148.4	156.7	165.0	181.0
188.3	185.4	198.3	212.2	241.1
226.0	223.0	241.7	263.2	315.4
263.7	261.3	287.2	319.2	395.9
301.5**	300.4	335.1	386.2	495.7
301.6	300.5	335.3	386.5	496.1
339.2	340.5	386.0	457.2	610.6
376.9	381.9	440.5	534.4	736.2
414.7	424.6	505.5	625.3	867.1
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
112.8*	106.6	111.1	117.4	129.6
150.5	144.4	154.6	168.7	191.8
188.3	184.8	204.4	228.7	263.4
226.0	229.1	261.3	296.9	343.0
263.7	278.2	325.6	372.3	428.2
301.5**	332.9	396.4	453.9	518.7
301.6	333.1	396.6	454.2	519.0
339.2	393.4	473.2	540.2	613.8
376.9	459.8	555.3	631.5	712.5
414.7	531.5	642.2	726.4	814.5
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135P
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
134.1*	132.3	139.0	145.4	157.3
169.5	166.9	177.3	188.3	210.1
204.8	201.9	217.1	234.0	274.1
240.2	237.3	258.6	283.7	344.7
275.6	273.4	301.9	337.9	425.9
301.6**	300.5	335.3	386.5	496.1
310.9	310.4	347.6	403.4	522.6
346.3	348.2	396.0	471.2	633.3
381.7	387.2	447.6	544.5	752.5
417.0	427.3	509.6	631.4	875.3
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
134.1*	127.7	135.0	145.2	163.5
169.5	164.2	178.8	197.7	226.6
204.8	203.7	228.5	257.7	297.6
240.2	247.0	284.7	324.5	374.5
275.6	294.7	347.1	397.2	455.9
301.6**	333.1	396.6	454.2	519.0
310.9	347.5	415.1	474.9	542.2
346.3	405.5	488.2	557.1	632.4
381.7	468.5	565.9	643.2	725.1
417.0	536.1	647.8	732.5	821.1
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

EC-135Y
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
113.7*	112.4	117.5	121.8	129.9
146.9	144.8	152.7	160.6	175.6
180.1	177.4	189.1	201.7	227.3
213.3	210.3	226.9	245.5	290.3
246.5	243.7	266.2	293.0	358.2
275.0**	272.8	301.2	337.0	424.5
279.7	277.7	307.1	344.6	436.7
312.9	312.4	350.2	407.0	528.2
346.1	348.0	395.7	470.8	632.7
379.3	384.5	444.0	539.4	744.3
412.5	422.1	495.4	619.7	859.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
113.7*	107.5	112.1	118.5	130.9
146.9	140.6	150.2	163.3	185.3
180.1	175.7	193.0	215.0	247.1
213.3	213.7	241.4	273.2	315.7
246.5	255.2	295.3	337.1	388.7
275.0**	293.9	346.0	396.0	454.6
279.7	300.7	354.7	406.1	465.8
312.9	350.6	419.0	479.2	547.1
346.1	405.1	487.8	556.6	631.6
379.3	464.1	560.6	637.3	718.7
412.5	527.2	637.1	720.9	808.5

* Minimum operating weight

** Maximum takeoff weight

EH-101 NSA
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.1*	35.9	38.5	41.1	44.9
26.3	41	44.4	47.6	52.3
29.5	46.2	50.4	54.3	61.3
32.6	51.5	56.5	61.2	70.8
34.4	54.5	60	65.2	76.1
35.8**	56.9	62.8	68.4	80.4
38.9	62.4	69.3	75.7	90.6
42.1	68	75.9	83.9	101.5
45.3	73.7	82.7	93.4	112.3
48.4	79.5	89.6	103	123.1
51.6	85.5	96.7	112.7	133.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.1*	43.3	46.2	48.4	50.9
26.3	50.7	54	56.6	59.4
29.5	58.3	62.1	64.9	67.9
32.6	66.1	70.3	73.4	76.6
34.4	70.5	75	78.1	81.5
35.8**	74.1	78.7	82	85.5
38.9	82.2	87.2	90.7	94.3
42.1	90.5	95.9	99.6	103.4
45.3	99	104.7	108.5	112.6
48.4	107.6	113.5	117.6	121.8
51.6	116.3	122.5	126.8	131.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from CH-53E which is in the PCASE Library

Same landing gear configuration

Similar MTOW and ACN

F-4C/D/E
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
35.2*	149.5	147.1	146.0	145.2
41.0	174.1	171.2	169.9	169.0
46.7	198.6	195.4	193.9	192.8
52.5	223.2	219.5	217.8	216.6
58.0	246.8	242.7	240.8	239.5
58.2**	247.7	243.6	241.8	240.5
64.0	272.3	267.7	265.7	264.3
69.7	296.8	291.9	289.7	288.1
75.5	321.4	316.0	313.6	311.9
81.2	346.0	340.2	337.6	335.7
87.0	370.6	364.3	361.6	359.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
35.2*	151.8	150.5	149.7	148.9
41.0	176.4	175.0	174.1	173.2
46.7	201.2	199.7	198.5	197.4
52.5	226.0	224.2	223.0	221.6
58.0	249.9	247.8	246.5	245.1
58.2**	250.8	248.8	247.4	246.0
64.0	275.5	273.3	271.8	270.5
69.7	300.3	297.8	296.3	294.6
75.5	325.1	322.4	320.7	318.9
81.2	349.7	347.0	345.3	343.2
87.0	374.5	371.5	369.7	367.5

* Minimum operating weight

** Maximum takeoff weight

F-14
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.7*	141.3	140.0	139.4	139.0
44.7	172.3	170.7	169.9	169.4
52.7	203.2	201.3	200.4	199.8
60.8	234.2	232.0	231.0	230.3
68.8	265.2	262.6	261.5	260.7
72.6**	279.9	277.2	276.0	275.1
76.8	296.1	293.3	292.0	291.1
84.8	327.1	324.0	322.6	321.6
92.9	358.1	354.6	353.1	352.0
100.9	389.1	385.3	383.6	382.4
108.9	420.1	416.0	414.2	412.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.7*	142.5	141.9	141.4	141.0
44.7	173.6	172.7	172.2	171.7
52.7	204.7	203.7	203.2	202.4
60.8	235.8	234.7	234.0	233.2
68.8	266.9	265.6	265.0	264.2
72.6**	281.6	280.4	279.6	278.9
76.8	298.0	296.6	295.8	294.8
84.8	329.0	327.5	326.7	325.6
92.9	360.1	358.5	357.6	356.3
100.9	391.2	389.5	388.4	387.1
108.9	422.3	420.4	419.3	418.1

* Minimum operating weight

** Maximum takeoff weight

F-15A Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.5*	112.8	111.0	110.2	109.6
33.8	138.6	136.4	135.4	134.7
40.1	164.4	161.8	160.6	159.8
46.3	190.3	187.2	185.8	184.9
52.6	216.1	212.6	211.1	209.9
56.0**	230.1	226.4	224.7	223.5
58.9	242.0	238.1	236.3	235.0
65.2	267.9	263.5	261.5	260.1
71.4	293.7	288.9	286.8	285.2
77.7	319.6	314.4	312.0	310.3
84.0	345.5	339.8	337.3	335.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.5*	114.5	113.6	113.0	112.4
33.8	140.6	139.6	138.7	138.0
40.1	166.6	165.3	164.5	163.7
46.3	192.8	191.2	190.2	189.2
52.6	218.9	217.1	216.0	214.7
56.0**	232.9	231.1	229.9	228.5
58.9	245.0	243.0	241.7	240.4
65.2	271.0	268.9	267.5	266.1
71.4	297.1	294.7	293.2	291.5
77.7	323.2	320.6	318.9	317.2
84.0	349.2	346.5	344.8	342.8

* Minimum operating weight

** Maximum takeoff weight

F-15B Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.5*	112.8	111.0	110.2	109.6
33.8	138.6	136.4	135.4	134.7
40.1	164.4	161.8	160.6	159.8
46.3	190.3	187.2	185.8	184.9
52.6	216.1	212.6	211.1	209.9
56.0**	230.1	226.4	224.7	223.5
58.9	242.0	238.1	236.3	235.0
65.2	267.9	263.5	261.5	260.1
71.4	293.7	288.9	286.8	285.2
77.7	319.6	314.4	312.0	310.3
84.0	345.5	339.8	337.3	335.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.5*	114.5	113.6	113.0	112.4
33.8	140.6	139.6	138.7	138.0
40.1	166.6	165.3	164.5	163.7
46.3	192.8	191.2	190.2	189.2
52.6	218.9	217.1	216.0	214.7
56.0**	232.9	231.1	229.9	228.5
58.9	245.0	243.0	241.7	240.4
65.2	271.0	268.9	267.5	266.1
71.4	297.1	294.7	293.2	291.5
77.7	323.2	320.6	318.9	317.2
84.0	349.2	346.5	344.8	342.8

* Minimum operating weight

** Maximum takeoff weight

F-15C Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.2*	120.9	116.9	115.1	113.8
36.4	156.3	151.1	148.7	147.0
44.6	191.7	185.3	182.3	180.3
52.8	227.2	219.5	216.0	213.5
61.0	262.7	253.7	249.7	246.8
68.0**	293.1	283.0	278.5	275.3
69.2	298.3	288.0	283.5	280.1
77.4	333.9	322.3	317.2	313.4
85.6	369.5	356.7	350.9	346.8
93.8	405.1	391.0	384.7	380.1
102.0	440.7	425.3	418.5	413.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.2*	125.4	123.2	121.8	120.3
36.4	161.6	158.9	156.9	155.2
44.6	197.9	194.6	192.2	190.0
52.8	234.1	230.2	227.4	224.7
61.0	270.4	265.7	262.7	259.8
68.0**	301.4	296.2	292.7	289.3
69.2	306.7	301.4	297.9	294.4
77.4	343.0	337.0	333.1	329.3
85.6	379.3	372.7	368.4	364.2
93.8	415.6	408.3	403.6	399.0
102.0	451.8	444.1	438.9	433.9

* Minimum operating weight

** Maximum takeoff weight

F-15D Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.2*	120.9	116.9	115.1	113.8
36.4	156.3	151.1	148.7	147.0
44.6	191.7	185.3	182.3	180.3
52.8	227.2	219.5	216.0	213.5
61.0	262.7	253.7	249.7	246.8
68.0**	293.1	283.0	278.5	275.3
69.2	298.3	288.0	283.5	280.1
77.4	333.9	322.3	317.2	313.4
85.6	369.5	356.7	350.9	346.8
93.8	405.1	391.0	384.7	380.1
102.0	440.7	425.3	418.5	413.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
28.2*	125.4	123.2	121.8	120.3
36.4	161.6	158.9	156.9	155.2
44.6	197.9	194.6	192.2	190.0
52.8	234.1	230.2	227.4	224.7
61.0	270.4	265.7	262.7	259.8
68.0**	301.4	296.2	292.7	289.3
69.2	306.7	301.4	297.9	294.4
77.4	343.0	337.0	333.1	329.3
85.6	379.3	372.7	368.4	364.2
93.8	415.6	408.3	403.6	399.0
102.0	451.8	444.1	438.9	433.9

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.7*	133.8	130.2	128.5	127.3
41.7	176.1	171.3	169.1	167.6
51.7	218.5	212.5	209.8	207.9
61.6	260.9	253.7	250.5	248.1
71.6	303.4	294.9	291.2	288.4
81.0**	343.4	333.8	329.5	326.3
81.6	345.9	336.2	331.9	328.7
91.6	388.4	377.5	372.6	369.0
101.5	430.9	418.8	413.3	409.3
111.5	473.4	460.1	454.1	449.6
121.5	515.9	501.3	494.8	489.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.7*	137.5	135.7	134.3	133.1
41.7	180.5	178.1	176.4	174.8
51.7	223.6	220.6	218.6	216.4
61.6	266.9	263.2	260.7	258.3
71.6	310.0	305.7	302.8	299.9
81.0**	350.4	345.7	342.5	339.2
81.6	353.0	348.3	344.9	341.7
91.6	396.1	390.8	387.1	383.4
101.5	439.2	433.1	429.2	425.3
111.5	482.3	475.7	471.4	466.9
121.5	525.4	518.3	513.7	508.8

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle W/Conformal Tanks
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.7*	133.8	130.2	128.5	127.3
41.7	176.1	171.3	169.1	167.6
51.7	218.5	212.5	209.8	207.9
61.6	260.9	253.7	250.5	248.1
71.6	303.4	294.9	291.2	288.4
81.0**	343.4	333.8	329.5	326.3
81.6	345.9	336.2	331.9	328.7
91.6	388.4	377.5	372.6	369.0
101.5	430.9	418.8	413.3	409.3
111.5	473.4	460.1	454.1	449.6
121.5	515.9	501.3	494.8	489.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.7*	137.5	135.7	134.3	133.1
41.7	180.5	178.1	176.4	174.8
51.7	223.6	220.6	218.6	216.4
61.6	266.9	263.2	260.7	258.3
71.6	310.0	305.7	302.8	299.9
81.0**	350.4	345.7	342.5	339.2
81.6	353.0	348.3	344.9	341.7
91.6	396.1	390.8	387.1	383.4
101.5	439.2	433.1	429.2	425.3
111.5	482.3	475.7	471.4	466.9
121.5	525.4	518.3	513.7	508.8

* Minimum operating weight

** Maximum takeoff weight

F-16A Fighting Falcon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.2*	64.3	63.0	62.4	62.0
20.3	80.5	78.9	78.2	77.7
24.4	96.8	94.9	94.0	93.4
28.5	113.1	110.8	109.8	109.1
32.6	129.4	126.8	125.6	124.8
35.4**	140.6	137.7	136.5	135.5
36.7	145.7	142.8	141.5	140.5
40.8	162.1	158.8	157.3	156.3
44.9	178.4	174.8	173.2	172.0
49.0	194.8	190.8	189.0	187.8
53.1	211.1	206.8	204.9	203.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.2*	65.7	65.1	64.6	64.2
20.3	82.3	81.5	80.9	80.4
24.4	98.8	97.9	97.2	96.5
28.5	115.3	114.2	113.4	112.6
32.6	132.0	130.6	129.7	128.8
35.4**	143.2	141.8	140.8	139.9
36.7	148.5	147.0	145.9	145.0
40.8	165.0	163.4	162.2	161.2
44.9	181.5	179.7	178.5	177.3
49.0	198.1	196.1	194.8	193.5
53.1	214.7	212.5	211.1	209.6

* Minimum operating weight

** Maximum takeoff weight

F-16B Fighting Falcon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.2*	64.3	63.0	62.4	62.0
20.3	80.5	78.9	78.2	77.7
24.4	96.8	94.9	94.0	93.4
28.5	113.1	110.8	109.8	109.1
32.6	129.4	126.8	125.6	124.8
35.4**	140.6	137.7	136.5	135.5
36.7	145.7	142.8	141.5	140.5
40.8	162.1	158.8	157.3	156.3
44.9	178.4	174.8	173.2	172.0
49.0	194.8	190.8	189.0	187.8
53.1	211.1	206.8	204.9	203.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.2*	65.7	65.1	64.6	64.2
20.3	82.3	81.5	80.9	80.4
24.4	98.8	97.9	97.2	96.5
28.5	115.3	114.2	113.4	112.6
32.6	132.0	130.6	129.7	128.8
35.4**	143.2	141.8	140.8	139.9
36.7	148.5	147.0	145.9	145.0
40.8	165.0	163.4	162.2	161.2
44.9	181.5	179.7	178.5	177.3
49.0	198.1	196.1	194.8	193.5
53.1	214.7	212.5	211.1	209.6

* Minimum operating weight

** Maximum takeoff weight

F-16C Fighting Falcon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.8*	66.6	65.3	64.7	64.2
21.2	84.0	82.3	81.6	81.0
25.6	101.4	99.4	98.5	97.8
30.0	118.9	116.5	115.4	114.6
34.3	136.3	133.6	132.3	131.4
37.5**	148.9	145.9	144.6	143.6
38.7	153.8	150.7	149.3	148.3
43.1	171.2	167.8	166.2	165.1
47.5	188.7	184.9	183.1	181.9
51.9	206.2	202.0	200.1	198.8
56.3	223.7	219.1	217.1	215.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.8*	68.1	67.5	67.0	66.5
21.2	85.8	85.0	84.4	83.8
25.6	103.5	102.5	101.8	101.1
30.0	121.2	120.0	119.2	118.4
34.3	139.0	137.6	136.6	135.7
37.5**	151.7	150.2	149.1	148.2
38.7	156.6	155.0	154.0	153.0
43.1	174.2	172.5	171.4	170.2
47.5	191.9	190.0	188.8	187.5
51.9	209.7	207.6	206.1	204.7
56.3	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

F-16D Fighting Falcon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	69.0	67.6	67.0	66.5
21.7	86.1	84.4	83.6	83.1
26.0	103.3	101.2	100.3	99.6
30.4	120.5	118.0	117.0	116.2
34.7	137.6	134.9	133.6	132.7
37.5**	148.9	145.9	144.6	143.6
39.0	154.8	151.7	150.3	149.3
43.3	172.0	168.6	167.0	165.9
47.6	189.2	185.4	183.7	182.4
51.9	206.5	202.3	200.4	199.0
56.3	223.7	219.1	217.1	215.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	70.6	69.9	69.4	68.9
21.7	88.0	87.2	86.5	85.9
26.0	105.4	104.3	103.6	102.9
30.4	122.8	121.6	120.8	119.9
34.7	140.3	138.9	137.9	137.0
37.5**	151.7	150.2	149.1	148.2
39.0	157.7	156.1	155.0	154.0
43.3	175.1	173.3	172.1	171.0
47.6	192.5	190.5	189.3	188.0
51.9	210.0	207.8	206.4	205.0
56.3	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

F-22 Raptor
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.8*	186.6	179.7	176.6	174.4
53.9	224.6	216.2	212.5	209.8
62.9	262.6	252.8	248.4	245.3
72.0	300.7	289.4	284.4	280.7
81.0	338.7	326.0	320.3	316.2
84.2**	352.1	338.9	332.9	328.6
90.1	376.9	362.6	356.3	351.6
99.1	415.0	399.3	392.3	387.1
108.2	453.2	436.0	428.3	422.6
117.2	491.2	472.6	464.3	458.0
126.3	529.3	509.3	500.3	493.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.8*	193.3	189.8	187.2	185.0
53.9	232.3	228.0	224.9	222.0
62.9	271.2	266.2	262.7	259.5
72.0	310.2	304.4	300.4	296.6
81.0	349.2	342.6	338.1	333.9
84.2**	362.8	356.0	351.3	347.0
90.1	388.1	380.8	375.8	371.2
99.1	427.0	419.1	413.6	408.9
108.2	466.0	457.3	451.3	446.1
117.2	504.9	495.4	488.9	483.0
126.3	543.8	533.6	526.7	520.6

* Minimum operating weight

** Maximum takeoff weight

F-35A Joint Strike Fighter CTOL
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	123.0	119.9	118.6	117.6
37.1	157.4	153.6	151.8	150.5
45.2	192.0	187.2	185.0	183.5
53.3	226.6	220.9	218.3	216.5
61.4	261.2	254.6	251.6	249.5
68.0**	289.1	281.8	278.5	276.1
69.5	295.8	288.3	284.9	282.5
77.6	330.4	322.0	318.2	315.5
85.7	365.1	355.7	351.5	348.5
93.8	399.8	389.5	384.9	381.5
101.9	434.4	423.2	418.2	414.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	126.0	124.5	123.4	122.4
37.1	161.1	159.1	157.7	156.5
45.2	196.2	193.7	192.1	190.5
53.3	231.3	228.6	226.5	224.4
61.4	266.4	263.1	260.9	258.7
68.0**	294.7	291.1	288.6	286.0
69.5	301.5	297.8	295.2	292.6
77.6	336.5	332.5	329.6	326.7
85.7	371.6	367.2	364.0	360.8
93.8	406.7	401.9	398.4	394.9
101.9	441.8	436.4	432.7	429.1

* Minimum operating weight

** Maximum takeoff weight

F-35B Joint Strike Fighter STOVL
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.3*	130.8	129.0	128.1	127.5
38.9	157.9	155.6	154.6	153.8
45.6	185.0	182.3	181.1	180.2
52.3	212.1	209.0	207.6	206.6
58.9	239.2	235.7	234.1	233.0
61.5**	249.6	245.9	244.3	243.1
65.6	266.3	262.4	260.6	259.3
72.3	293.4	289.1	287.1	285.7
78.9	320.5	315.8	313.7	312.1
85.6	347.7	342.5	340.2	338.5
92.3	374.8	369.2	366.7	364.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.3*	132.6	131.6	130.9	130.4
38.9	159.9	158.7	157.9	157.3
45.6	187.2	185.8	184.9	184.1
52.3	214.5	212.9	212.0	210.9
58.9	241.8	240.1	238.9	237.7
61.5**	252.3	250.5	249.3	248.1
65.6	269.1	267.2	266.0	264.7
72.3	296.3	294.3	292.9	291.4
78.9	323.8	321.3	320.0	318.3
85.6	350.9	348.5	347.0	345.1
92.3	378.2	375.6	374.0	372.0

* Minimum operating weight

** Maximum takeoff weight

F-35C Joint Strike Fighter CV
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
35.2*	142.1	140.1	139.2	138.5
43.0	173.8	171.3	170.2	169.4
50.8	205.6	202.6	201.2	200.3
58.6	237.3	233.8	232.3	231.2
66.5	269.1	265.1	263.3	262.1
70.4**	285.0	280.8	278.9	277.5
74.3	300.8	296.4	294.4	292.9
82.1	332.6	327.6	325.4	323.8
89.9	364.4	358.9	356.5	354.7
97.8	396.2	390.2	387.6	385.6
105.6	427.9	421.5	418.6	416.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
35.2*	144.0	142.9	142.2	141.6
43.0	176.0	174.6	173.9	173.1
50.8	207.9	206.5	205.4	204.4
58.6	240.0	238.2	237.0	235.9
66.5	271.8	270.0	268.8	267.5
70.4**	287.9	285.9	284.5	283.1
74.3	303.9	301.6	300.4	298.7
82.1	335.8	333.4	332.0	330.2
89.9	367.7	365.2	363.6	361.7
97.8	399.7	396.9	395.2	393.1
105.6	431.7	428.7	426.8	424.8

* Minimum operating weight

** Maximum takeoff weight

F-111D-F
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
53.0*	207.4	211.1	212.7	213.9
63.8	249.4	253.9	255.9	257.3
74.6	291.4	296.7	299.0	300.7
85.3	333.4	339.5	342.2	344.1
96.1	375.4	382.3	385.3	387.5
100.0**	390.5	397.7	400.9	403.2
106.9	417.3	425.1	428.5	431.0
117.7	459.3	467.8	471.6	474.4
128.4	501.3	510.6	514.7	517.9
139.2	543.3	553.4	557.8	561.3
150.0	585.3	596.1	600.9	604.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
53.0*	205.4	207.1	208.2	209.4
63.8	247.4	249.3	250.5	251.9
74.6	289.1	291.6	292.9	294.4
85.3	331.0	333.5	335.3	337.2
96.1	372.8	375.7	377.7	379.7
100.0**	387.9	391.0	393.0	395.5
106.9	414.7	418.0	420.1	422.5
117.7	456.5	460.0	462.4	464.8
128.4	498.4	502.4	504.8	507.5
139.2	540.2	544.3	547.2	550.2
150.0	582.0	586.7	589.5	592.9

* Minimum operating weight

** Maximum takeoff weight

F-117A Nighthawk
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.7*	126.2	122.4	120.6	119.4
36.0	148.3	143.7	141.7	140.2
41.4	170.3	165.1	162.7	161.0
46.7	192.4	186.5	183.8	181.9
52.1	214.5	207.9	204.9	202.8
52.5**	216.4	209.7	206.6	204.5
57.4	236.7	229.3	226.0	223.6
62.7	258.8	250.7	247.1	244.5
68.1	281.0	272.2	268.2	265.4
73.4	303.1	293.6	289.4	286.3
78.8	325.3	315.1	310.5	307.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.7*	130.3	128.3	126.8	125.5
36.0	152.9	150.5	148.8	147.3
41.4	175.4	172.7	170.8	169.1
46.7	197.9	194.9	192.8	190.8
52.1	220.5	217.1	214.8	212.5
52.5**	222.3	219.0	216.6	214.4
57.4	243.0	239.3	236.7	234.1
62.7	265.6	261.5	258.7	256.0
68.1	288.2	283.7	280.6	277.6
73.4	310.8	305.9	302.6	299.4
78.8	333.3	328.1	324.6	321.1

* Minimum operating weight

** Maximum takeoff weight

FA-18F
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.0*	109.4	110.4	110.8	111.1
37.7	137.3	138.5	139.1	139.5
45.3	165.2	166.7	167.4	167.9
53.0	193.1	194.9	195.7	196.2
60.7	221.0	223.0	223.9	224.6
66.0**	240.4	242.6	243.6	244.3
68.3	248.9	251.2	252.2	253.0
76.0	276.7	279.3	280.5	281.3
83.7	304.6	307.5	308.7	309.7
91.3	332.5	335.6	337.0	338.0
99.0	360.3	363.7	365.3	366.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.0*	108.6	109.1	109.4	109.7
37.7	136.4	137.1	137.4	137.8
45.3	164.3	164.9	165.4	166.0
53.0	192.0	192.9	193.4	194.0
60.7	219.8	220.8	221.4	222.0
66.0**	239.2	240.2	240.8	241.6
68.3	247.7	248.7	249.4	250.2
76.0	275.5	276.7	277.3	278.4
83.7	303.3	304.4	305.3	306.2
91.3	331.0	332.3	333.3	334.4
99.0	358.8	360.2	361.3	362.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-100
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
90.0*	76.2	94.2	108.2	133.4
96.7	85.8	102.5	118.7	149.4
100.0	89.2	106.7	124.0	158.0
103.3	92.6	111.0	129.5	166.9
110.0	99.4	119.6	141.7	184.7
116.7**	106.3	128.5	154.4	202.5
123.3	113.4	137.6	167.6	220.8
130.0	120.5	149.5	181.5	239.7
136.7	127.7	159.6	196.8	258.9
143.3	135.0	169.9	212.7	278.7
150.0	142.4	181.3	229.9	298.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
90.0*	87.1	96.3	108.1	125.8
96.7	94.7	105.8	119.8	139.7
100.0	98.5	110.8	125.8	146.8
103.3	102.4	115.8	132.1	154.0
110.0	110.5	126.3	144.9	168.7
116.7**	118.9	137.3	158.2	183.7
123.3	127.5	149.0	172.0	199.2
130.0	136.4	161.0	186.2	214.4
136.7	145.7	173.6	200.8	230.5
143.3	155.5	186.6	215.7	246.6
150.0	165.6	200.1	230.9	263.0

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-150
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
140.0*	141.8	167.1	207.1	270.2
149.4	152.9	184.3	230.8	298.7
150.0	153.6	185.4	232.2	300.4
158.9	164.3	202.3	256.0	327.9
168.3	176.0	221.0	281.4	357.4
177.8**	188.0	240.3	307.3	387.3
187.2	200.2	260.7	333.8	417.8
196.7	212.8	282.2	361.1	448.7
206.1	225.7	306.0	388.9	480.0
215.6	242.5	331.2	417.4	512.6
225.0	257.4	356.7	446.5	545.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
140.0*	161.6	189.7	216.1	244.8
149.4	176.7	209.1	237.9	268.1
150.0	177.6	210.3	239.2	269.5
158.9	192.6	229.4	260.2	292.0
168.3	209.4	250.2	283.1	316.3
177.8**	226.9	271.7	306.3	340.7
187.2	245.3	293.9	330.0	365.6
196.7	264.5	316.7	354.1	391.0
206.1	284.2	339.7	378.6	416.3
215.6	304.8	363.3	403.5	442.5
225.0	326.1	387.4	428.6	468.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-200
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
190.0*	209.9	258.0	326.8	414.6
200.0	225.1	279.0	355.5	447.2
202.2	228.3	283.7	362.0	454.5
214.4	246.5	311.5	398.3	495.6
226.7	265.2	341.4	435.6	538.2
238.9**	284.6	374.4	473.5	581.5
251.1	304.6	408.5	511.9	625.3
263.3	325.3	443.3	550.9	669.7
275.6	348.3	478.6	590.6	714.1
287.8	372.9	514.7	630.9	757.7
300.0	398.3	551.5	671.7	801.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
190.0*	254.4	300.1	334.9	370.0
200.0	274.5	323.8	360.3	396.5
202.2	279.1	329.1	365.9	402.4
214.4	304.8	359.0	397.5	435.3
226.7	331.8	389.6	429.6	469.1
238.9**	359.5	420.8	462.4	503.5
251.1	388.3	452.6	495.4	538.8
263.3	417.8	485.2	529.1	574.4
275.6	448.1	518.0	563.4	611.0
287.8	479.2	551.3	598.1	647.8
300.0	510.9	585.3	633.0	685.4

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-300
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
290.0*	332.8	405.1	518.2	671.4
300.0	346.6	426.9	549.4	707.6
307.8	357.5	444.2	573.9	735.0
325.6	383.1	485.9	630.8	797.8
343.3	409.4	533.0	689.0	860.9
361.1**	436.6	582.0	749.5	924.4
378.9	474.4	635.0	811.3	988.2
396.7	506.8	689.9	874.4	1052.5
414.4	540.2	746.1	938.7	1117.5
432.2	575.4	803.1	1003.1	1183.5
450.0	613.1	861.0	1066.8	1250.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
290.0*	425.7	495.6	544.6	596.9
300.0	448.0	520.4	570.8	625.2
307.8	465.6	540.0	591.6	647.5
325.6	506.8	585.5	639.3	699.1
343.3	549.5	632.0	688.1	751.9
361.1**	592.8	679.4	737.8	806.5
378.9	637.6	727.5	788.7	862.1
396.7	683.3	776.4	840.2	919.4
414.4	729.9	826.0	893.0	977.9
432.2	777.4	876.5	946.7	1037.4
450.0	825.7	927.5	1001.7	1097.9

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-400
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
399.0*	477.6	587.3	755.7	971.5
400.0	479.1	589.6	759.1	975.0
421.3	512.7	640.7	833.1	1051.3
443.7	548.9	698.9	912.5	1132.1
466.0	586.5	759.0	993.2	1214.0
488.3**	625.7	823.6	1072.6	1297.1
510.7	666.3	893.4	1152.5	1380.7
533.0	708.5	967.4	1233.0	1465.6
555.3	752.8	1044.1	1313.9	1551.8
577.7	801.6	1122.2	1394.8	1639.7
600.0	852.1	1201.7	1476.0	1728.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
399.0*	634.0	725.4	791.1	872.9
400.0	636.4	728.0	793.9	875.9
421.3	687.5	783.7	853.6	943.0
443.7	742.4	843.2	918.0	1014.9
466.0	798.6	903.8	983.9	1088.5
488.3**	855.8	965.9	1051.4	1165.2
510.7	914.1	1029.2	1120.3	1241.6
533.0	973.7	1093.9	1190.5	1321.2
555.3	1033.9	1159.7	1262.2	1402.4
577.7	1095.5	1226.7	1335.9	1485.1
600.0	1158.1	1294.8	1411.3	1569.6

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-10
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.0*	18.1	18.6	19.1	21.0
9.7	19.4	19.9	20.6	22.9
10.0	20.0	20.6	21.5	23.8
10.3	20.6	21.2	22.3	24.8
11.0	21.8	22.5	24.0	26.7
11.7**	23.0	23.8	25.7	28.9
12.3	24.2	25.0	27.4	31.1
13.0	25.4	26.6	29.2	33.4
13.7	26.6	28.1	31.0	35.7
14.3	27.8	29.7	32.8	38.0
15.0	28.9	31.3	34.6	40.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.0*	18.4	19.7	20.8	22.2
9.7	20.1	21.5	22.8	24.3
10.0	20.9	22.5	23.8	25.3
10.3	21.8	23.4	24.8	26.4
11.0	23.5	25.4	26.9	28.6
11.7**	25.3	27.3	28.9	30.7
12.3	27.2	29.3	31.0	32.9
13.0	29.0	31.3	33.2	35.2
13.7	31.0	33.4	35.3	37.4
14.3	32.9	35.5	37.5	39.7
15.0	34.8	37.6	39.7	42.0

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-20
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.0*	35.7	41.3	46.9	56.1
20.0	37.8	43.9	50.3	60.4
20.2	38.3	44.5	51.1	61.4
21.4	40.9	47.8	55.3	66.6
22.7	43.6	51.1	59.6	71.8
23.9**	46.3	54.4	64.1	77.1
25.1	49.1	58.4	68.6	82.3
26.3	51.9	62.4	73.5	87.5
27.6	54.8	66.5	78.9	92.8
28.8	57.7	70.7	84.2	98.0
30.0	60.7	74.9	89.5	103.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.0*	47.0	50.6	53.2	55.9
20.0	50.2	54.0	56.6	59.5
20.2	50.9	54.7	57.4	60.3
21.4	54.9	58.8	61.7	64.7
22.7	58.9	63.0	66.0	69.1
23.9**	62.9	67.3	70.4	73.6
25.1	67.0	71.6	74.8	78.1
26.3	71.2	76.0	79.2	82.7
27.6	75.4	80.3	83.7	87.2
28.8	79.6	84.7	88.2	91.8
30.0	83.9	89.1	92.7	96.4

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-30
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	59.9	72.2	85.5	99.2
30.0	62.3	75.7	89.9	103.5
30.8	64.3	78.4	93.3	106.9
32.6	68.8	84.8	101.1	114.5
34.3	73.4	91.5	108.9	122.2
36.1**	78.1	98.2	116.6	129.8
37.9	83.5	106.2	124.4	137.4
39.7	89.3	114.2	132.2	145.0
41.4	95.3	122.2	139.9	152.6
43.2	101.4	130.2	147.7	160.2
45.0	107.6	138.1	155.5	167.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	82.2	86.9	90.3	93.7
30.0	85.8	90.7	94.0	97.6
30.8	88.5	93.5	96.9	100.6
32.6	94.9	100.1	103.7	107.5
34.3	101.5	106.8	110.5	114.4
36.1**	108.0	113.6	117.4	121.4
37.9	114.6	120.3	124.3	128.5
39.7	121.3	127.2	131.3	135.7
41.4	128.0	134.1	138.3	142.9
43.2	134.9	141.0	145.3	150.1
45.0	141.8	148.1	152.4	157.4

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-45
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.0*	90.3	107.1	125.1	146.4
45.0	92.7	110.4	129.3	150.7
46.6	96.6	115.8	136.3	157.5
49.2	103.2	124.7	147.6	168.6
51.8	110.3	133.7	158.9	179.7
54.4**	117.6	143.0	170.2	190.9
57.1	125.0	153.6	181.6	202.1
59.7	132.6	164.9	192.9	213.3
62.3	140.3	176.3	204.2	224.5
64.9	148.3	187.9	215.6	235.7
67.5	156.8	199.4	227.0	247.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.0*	124.6	132.0	137.0	142.4
45.0	128.1	135.6	140.8	146.2
46.6	133.9	141.5	146.8	152.4
49.2	143.2	151.2	156.6	162.5
51.8	152.7	161.0	166.6	172.7
54.4**	162.3	170.8	176.6	183.0
57.1	172.0	180.8	186.7	193.4
59.7	181.8	190.8	196.9	203.8
62.3	191.6	200.9	207.3	214.4
64.9	201.5	211.0	217.6	225.1
67.5	211.5	221.3	228.0	235.9

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-50
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
49.0*	61.6	87.6	104.3	128.1
50.0	63.0	89.7	106.9	131.7
51.9	65.5	93.7	111.8	139.1
54.8	69.5	99.9	120.5	150.8
57.7	73.5	106.3	129.9	162.7
60.6**	77.7	112.9	139.4	174.6
63.4	81.9	119.5	149.0	186.5
66.3	86.2	126.3	159.0	198.4
69.2	90.6	133.3	169.2	210.3
72.1	95.0	141.3	180.0	222.2
75.0	99.6	150.2	191.7	234.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
49.0*	93.8	108.1	117.8	127.4
50.0	96.4	111.0	120.8	130.6
51.9	101.4	116.5	126.6	136.7
54.8	109.2	125.0	135.6	146.0
57.7	117.0	133.5	144.6	155.4
60.6**	125.0	142.2	153.7	164.9
63.4	133.0	151.0	162.9	174.5
66.3	141.3	159.9	172.1	184.2
69.2	149.6	168.8	181.5	193.9
72.1	157.9	177.8	190.9	203.9
75.0	166.4	186.9	200.4	213.6

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-60
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
59.0*	129.1	148.3	171.0	198.9
60.0	131.7	151.5	175.3	203.3
62.4	138.0	159.5	186.2	213.9
65.9	147.6	170.9	201.5	228.8
69.3	157.3	184.5	216.9	243.8
72.8**	167.3	198.2	232.2	258.7
76.2	177.6	212.1	247.6	273.5
79.7	188.0	226.4	262.9	288.4
83.1	198.7	241.4	278.3	303.3
86.6	209.5	257.3	293.6	318.2
90.0	220.6	273.2	309.0	333.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
59.0*	177.5	185.7	191.6	198.2
60.0	181.2	189.5	195.5	202.2
62.4	190.2	198.9	205.0	212.0
65.9	203.1	212.1	218.5	225.8
69.3	216.1	225.3	232.1	240.0
72.8**	229.2	238.8	245.8	254.2
76.2	242.5	252.3	259.7	268.6
79.7	255.8	266.0	273.6	282.8
83.1	269.3	279.9	287.7	297.4
86.6	282.9	293.7	302.0	312.2
90.0	296.6	307.8	316.3	327.1

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-75
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.0*	126.8	158.8	186.3	226.4
75.0	128.8	161.5	189.9	230.6
78.3	135.3	170.3	202.0	244.5
82.6	143.8	182.1	218.5	262.5
86.8	152.8	194.2	235.5	280.3
91.1**	162.0	207.4	253.9	298.2
95.4	171.4	222.4	272.5	316.1
99.7	181.1	237.6	291.0	334.0
103.9	191.0	253.0	309.5	351.9
108.2	201.1	268.9	328.0	369.8
112.5	211.5	285.3	346.4	387.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.0*	182.6	199.1	210.1	221.1
75.0	185.8	202.4	213.5	224.7
78.3	196.2	213.4	224.9	236.5
82.6	209.9	227.8	239.8	252.1
86.8	223.8	242.4	254.9	267.9
91.1**	237.9	257.2	270.2	283.8
95.4	252.2	272.2	285.5	299.4
99.7	266.5	287.2	301.0	315.4
103.9	281.0	302.3	316.6	331.7
108.2	295.7	317.6	332.4	348.0
112.5	310.5	333.0	348.2	364.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-100
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
90.0*	175.2	205.3	233.4	278.4
96.7	189.9	224.7	259.3	306.5
100.0	197.4	234.7	272.5	320.7
103.3	204.9	244.9	285.9	334.8
110.0	220.9	265.6	313.2	363.1
116.7**	237.6	287.1	341.9	391.4
123.3	254.6	309.9	371.3	420.2
130.0	272.1	336.4	400.1	449.2
136.7	290.1	363.3	429.0	478.2
143.3	309.0	391.0	457.8	507.2
150.0	328.5	419.7	486.6	536.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
90.0*	243.3	259.7	271.1	283.3
96.7	265.8	283.3	295.2	308.0
100.0	277.4	295.2	307.5	320.6
103.3	288.7	307.1	319.8	333.4
110.0	312.0	331.2	344.6	359.1
116.7**	335.8	355.7	369.7	385.3
123.3	359.6	380.5	395.0	411.9
130.0	383.7	405.5	420.5	438.7
136.7	408.2	430.7	446.7	465.2
143.3	432.9	456.2	473.0	492.7
150.0	457.8	482.0	499.4	520.3

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-150
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
140.0*	284.4	319.0	362.5	414.6
149.4	305.7	346.3	395.0	453.2
150.0	307.0	348.0	396.9	455.5
158.9	327.4	375.5	428.0	494.2
168.3	349.5	405.4	461.5	536.0
177.8**	372.0	436.1	497.4	577.9
187.2	394.9	467.7	534.5	619.3
196.7	418.3	500.6	572.4	660.0
206.1	442.0	533.5	611.2	700.6
215.6	466.4	566.7	652.9	741.2
225.0	493.7	600.3	695.1	781.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
140.0*	387.7	411.5	428.8	448.9
149.4	420.1	445.4	464.1	485.8
150.0	422.0	447.4	466.1	488.0
158.9	452.9	479.7	499.5	523.3
168.3	486.3	514.5	535.6	561.3
177.8**	520.0	549.7	572.3	599.9
187.2	554.4	585.5	609.1	638.9
196.7	588.8	621.8	646.6	678.4
206.1	623.8	658.0	684.6	718.3
215.6	659.2	695.0	723.0	759.0
225.0	695.1	732.3	761.9	799.6

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-200
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
190.0*	418.4	461.7	508.5	580.6
200.0	443.3	492.2	544.2	622.4
202.2	448.9	499.1	552.1	631.6
214.4	480.0	537.0	597.1	683.5
226.7	511.8	575.5	643.4	736.1
238.9**	544.2	614.7	690.5	789.1
251.1	577.5	655.8	738.7	842.0
263.3	612.0	699.6	790.9	894.9
275.6	647.2	743.9	843.4	948.0
287.8	683.2	789.3	896.2	1001.3
300.0	720.0	835.8	950.0	1054.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
190.0*	566.1	594.3	616.5	645.6
200.0	602.4	632.1	656.0	687.2
202.2	610.6	640.6	664.9	696.5
214.4	655.9	687.9	714.0	748.4
226.7	701.9	735.7	763.8	800.8
238.9**	748.0	784.3	814.5	854.6
251.1	795.0	833.8	865.8	908.9
263.3	842.6	883.6	918.0	964.2
275.6	890.8	933.8	970.9	1020.1
287.8	939.7	985.0	1024.4	1076.3
300.0	988.7	1036.8	1078.1	1134.5

* Minimum operating weight

** Maximum takeoff weight

**FAA SNGL WHL-3
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.9*	10.6	10.9	11.0	11.2
3.0	11.0	11.2	11.4	11.6
3.1	11.2	11.4	11.6	11.8
3.3	11.7	12.0	12.2	12.4
3.4	12.3	12.6	12.8	13.1
3.6**	12.8	13.1	13.4	13.7
3.8	13.3	13.7	14.0	14.3
4.0	13.8	14.2	14.5	14.8
4.1	14.3	14.7	15.1	15.4
4.3	14.8	15.3	15.6	16.2
4.5	15.3	15.8	16.2	16.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.9*	8.1	8.3	8.4	8.6
3.0	8.3	8.5	8.7	8.8
3.1	8.5	8.7	8.9	9.0
3.3	8.9	9.1	9.3	9.5
3.4	9.2	9.5	9.7	9.9
3.6**	9.6	9.9	10.1	10.3
3.8	10.0	10.2	10.4	10.7
4.0	10.3	10.6	10.8	11.1
4.1	10.6	11.0	11.2	11.5
4.3	11.0	11.3	11.6	11.9
4.5	11.3	11.7	12.0	12.3

* Minimum operating weight

** Maximum takeoff weight

**FAA SNGL WHL-5
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	16.4	17.0	17.4	18.6
5.0	16.6	17.2	17.7	19.0
5.2	17.1	17.8	18.3	19.8
5.5	17.9	18.6	19.1	20.9
5.8	18.6	19.3	20.0	22.1
6.1**	19.3	20.1	21.1	23.2
6.3	20.0	20.9	22.3	24.3
6.6	20.6	21.6	23.4	25.5
6.9	21.3	22.3	24.5	26.6
7.2	21.9	23.0	25.5	27.7
7.5	22.5	23.7	26.6	28.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	12.1	12.5	12.8	13.2
5.0	12.2	12.7	13.0	13.4
5.2	12.6	13.0	13.4	14.0
5.5	13.1	13.6	14.0	14.9
5.8	13.6	14.1	14.8	15.8
6.1**	14.1	14.6	15.6	16.7
6.3	14.6	15.4	16.5	17.7
6.6	15.0	16.2	17.3	18.6
6.9	15.5	17.0	18.2	19.5
7.2	16.1	17.8	19.1	20.4
7.5	16.9	18.6	19.9	21.3

* Minimum operating weight

** Maximum takeoff weight

**FAA SNGL WHL-10
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.9*	27.3	31.4	35.4	38.1
10.0	27.5	31.7	35.8	38.5
10.5	28.3	33.3	37.5	40.3
11.0	29.3	35.2	39.5	42.5
11.6	30.2	37.1	41.5	44.6
12.2**	31.1	38.9	43.6	46.8
12.7	32.0	40.8	45.6	48.9
13.3	32.8	42.6	47.6	51.1
13.9	33.6	44.5	49.6	53.2
14.4	34.4	46.3	51.6	55.4
15.0	35.1	48.1	53.6	57.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.9*	22.9	25.3	27.1	29.0
10.0	23.1	25.6	27.4	29.3
10.5	24.3	26.9	28.9	30.8
11.0	25.7	28.5	30.6	32.6
11.6	27.2	30.2	32.3	34.4
12.2**	28.6	31.8	34.0	36.3
12.7	30.1	33.4	35.7	38.1
13.3	31.5	35.0	37.4	39.9
13.9	32.9	36.6	39.2	41.7
14.4	34.4	38.2	40.9	43.5
15.0	35.8	39.9	42.6	45.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-12.5
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.5*	33.4	40.0	43.3	45.6
12.3	35.0	42.8	46.3	48.7
12.5	35.3	43.5	47.0	49.5
13.1	36.7	45.7	49.3	51.9
13.9	39.1	48.5	52.4	55.1
14.7**	41.6	51.3	55.4	58.2
15.5	44.0	54.1	58.4	61.4
16.3	46.4	56.9	61.4	64.5
17.1	48.8	59.7	64.4	67.7
17.9	51.1	62.5	67.4	70.8
18.8	53.4	65.2	70.3	74.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.5*	31.3	33.7	35.4	37.1
12.3	33.6	36.2	38.0	39.9
12.5	34.2	36.8	38.7	40.6
13.1	36.0	38.7	40.7	42.6
13.9	38.3	41.2	43.3	45.4
14.7**	40.6	43.8	45.9	48.1
15.5	43.0	46.3	48.5	50.8
16.3	45.3	48.8	51.2	53.5
17.1	47.6	51.3	53.8	56.3
17.9	50.0	53.8	56.4	59.1
18.8	52.3	56.4	59.1	61.8

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-15
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.0*	33.8	44.9	50.1	53.7
14.9	35.1	47.9	53.4	57.3
15.0	35.1	48.1	53.6	57.5
15.9	36.5	50.9	56.8	60.9
16.8	39.0	54.0	60.1	64.5
17.8**	41.4	57.0	63.4	68.0
18.7	43.8	59.9	66.7	71.6
19.7	46.1	62.9	70.0	75.1
20.6	48.4	65.9	73.3	78.7
21.6	50.7	68.8	76.6	82.2
22.5	52.9	71.8	79.9	85.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.0*	33.3	37.0	39.6	42.2
14.9	35.7	39.7	42.4	45.2
15.0	35.9	39.9	42.6	45.4
15.9	38.1	42.4	45.3	48.2
16.8	40.6	45.1	48.1	51.2
17.8**	43.0	47.8	51.0	54.2
18.7	45.5	50.5	53.9	57.3
19.7	47.9	53.2	56.7	60.3
20.6	50.3	55.9	59.6	63.3
21.6	52.8	58.6	62.5	66.3
22.5	55.2	61.3	65.3	69.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-20
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.0*	44.5	60.8	67.7	72.7
20.0	46.9	64.0	71.2	76.4
20.2	47.5	64.7	72.0	77.2
21.4	50.4	68.5	76.3	81.8
22.7	53.3	72.3	80.5	86.4
23.9**	56.2	76.1	84.8	91.0
25.1	59.0	79.9	89.0	95.6
26.3	61.8	83.7	93.3	100.1
27.6	64.6	87.5	97.5	104.7
28.8	67.4	91.2	101.7	109.3
30.0	70.2	95.0	105.9	113.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
19.0*	46.2	51.2	54.7	58.0
20.0	48.7	54.1	57.7	61.2
20.2	49.3	54.7	58.4	61.9
21.4	52.5	58.2	62.1	65.8
22.7	55.6	61.8	65.8	69.7
23.9**	58.8	65.2	69.5	73.6
25.1	62.0	68.8	73.2	77.5
26.3	65.2	72.3	76.9	81.5
27.6	68.3	75.8	80.6	85.4
28.8	71.5	79.3	84.3	89.2
30.0	74.7	82.8	88.0	93.2

* Minimum operating weight

** Maximum takeoff weight

**FAA SNGL WHL-30
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	67.9	91.9	102.5	110.1
30.0	70.2	95.0	105.9	113.9
30.8	71.9	97.4	108.6	116.8
32.6	75.9	102.8	114.7	123.4
34.3	79.9	108.3	120.9	130.0
36.1**	83.8	113.7	127.0	136.5
37.9	87.7	119.1	133.1	143.1
39.7	91.6	124.5	139.1	149.6
41.4	95.4	129.9	145.2	156.1
43.2	99.3	135.2	151.3	162.7
45.0	103.1	140.6	157.4	169.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
29.0*	72.1	79.9	84.9	89.8
30.0	74.7	82.7	87.9	93.0
30.8	76.7	85.0	90.3	95.5
32.6	81.3	90.1	95.7	101.2
34.3	85.9	95.2	101.1	106.9
36.1**	90.5	100.3	106.5	112.6
37.9	95.2	105.4	111.9	118.4
39.7	99.8	110.5	117.3	124.1
41.4	104.5	115.6	122.7	129.8
43.2	109.1	120.7	128.1	135.5
45.0	113.7	125.8	133.6	141.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-45
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.0*	123.3	150.6	162.8	171.4
45.0	125.9	153.9	166.5	175.2
46.6	130.3	159.3	172.3	181.4
49.2	137.3	168.0	181.8	191.3
51.8	144.2	176.7	191.2	201.3
54.4**	151.2	185.3	200.7	211.3
57.1	158.1	194.0	210.1	221.2
59.7	165.0	202.7	219.5	231.2
62.3	172.0	211.3	228.9	241.1
64.9	178.8	220.0	238.3	251.1
67.5	185.7	228.6	247.7	261.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
44.0*	126.0	135.7	141.8	148.3
45.0	128.9	138.8	145.1	151.8
46.6	133.7	143.9	150.5	157.4
49.2	141.3	152.1	159.1	166.5
51.8	149.0	160.4	167.7	175.6
54.4**	156.6	168.6	176.4	184.8
57.1	164.4	176.9	185.0	193.9
59.7	172.1	185.2	193.7	203.1
62.3	179.7	193.4	202.5	212.3
64.9	187.4	201.7	211.2	221.6
67.5	195.1	210.0	220.0	230.9

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-60
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
45.0*	142.3	163.5	173.0	179.6
50.0	157.7	181.3	192.0	199.2
55.0	173.0	199.1	210.8	218.9
60.0	188.3	216.9	229.6	238.5
60.0	188.3	216.9	229.6	238.5
65.0**	203.5	234.6	248.5	258.1
70.0	218.7	252.3	267.3	277.6
75.0	233.8	270.0	286.1	297.1
80.0	249.0	287.7	304.9	316.7
85.0	264.1	305.5	323.7	336.2
90.0	279.2	323.2	342.4	355.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
45.0*	141.5	149.6	154.8	160.5
50.0	157.6	166.4	172.4	178.8
55.0	173.6	183.4	190.0	197.3
60.0	189.6	200.4	207.7	216.0
60.0	189.6	200.4	207.7	216.0
65.0**	205.7	217.5	225.4	234.5
70.0	221.7	234.4	243.3	253.5
75.0	237.8	251.5	261.3	272.7
80.0	253.8	268.8	279.2	291.5
85.0	269.9	286.0	297.4	310.8
90.0	286.0	303.3	315.6	330.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-75
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.0*	251.9	278.9	290.8	299.0
75.0	255.2	282.6	294.7	303.0
78.3	266.1	294.8	307.4	316.1
82.6	280.4	310.8	324.0	333.1
86.8	294.6	326.7	340.6	350.2
91.1**	308.8	342.5	357.2	367.3
95.4	323.0	358.4	373.8	384.4
99.7	337.2	374.3	390.3	401.5
103.9	351.4	390.2	406.8	418.6
108.2	365.6	406.1	423.3	435.8
112.5	379.8	422.0	439.8	453.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.0*	251.7	262.9	270.9	280.6
75.0	255.2	266.5	274.7	284.6
78.3	266.4	278.5	287.1	297.7
82.6	281.2	294.0	303.4	314.9
86.8	296.0	309.6	319.8	332.3
91.1**	310.8	325.2	336.2	349.7
95.4	325.8	340.9	352.7	367.2
99.7	340.5	356.7	369.3	384.8
103.9	355.3	372.5	385.9	402.5
108.2	370.2	388.4	402.5	420.6
112.5	385.2	404.3	419.4	438.8

* Minimum operating weight

** Maximum takeoff weight

FAA SWL-50
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
49.0*	420.0	430.0	434.3	437.6
50.0	428.6	438.7	443.2	446.5
51.9	444.7	455.3	459.9	463.4
54.8	469.4	480.6	485.4	489.2
57.7	494.1	505.9	511.0	515.0
60.6**	518.8	531.1	536.5	540.7
63.4	543.5	556.4	562.1	566.5
66.3	568.3	581.7	587.6	592.3
69.2	593.0	606.9	613.2	618.1
72.1	617.7	632.2	638.8	643.9
75.0	642.4	657.4	664.3	669.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
49.0*	416.9	420.9	423.7	426.6
50.0	425.4	429.6	432.4	435.2
51.9	441.5	445.9	448.7	451.5
54.8	466.1	470.7	473.7	476.7
57.7	490.7	495.4	498.7	502.0
60.6**	515.3	520.2	523.7	527.2
63.4	539.9	545.1	548.8	552.5
66.3	564.5	570.0	573.8	577.7
69.2	589.0	595.1	598.6	602.9
72.1	613.7	620.0	623.6	628.1
75.0	638.3	644.6	648.6	653.2

* Minimum operating weight

** Maximum takeoff weight

Falcon 10, DA10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	19.4	19.9	20.6	22.7
12	22.8	23.5	25.2	28
14	26.1	27.4	30	34.2
15.9	29.4	31.8	35	40.7
17.8	32.6	36.3	40.1	47.4
18.3**	33.4	37.4	41.4	49.1
19.7	35.8	41	46	55
21.7	39.7	45.7	52.3	62.9
23.6	43.7	50.7	58.8	70.7
25.5	47.9	55.7	65.4	78.6
27.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	20.3	21.7	22.9	24.3
12	25.2	27	28.5	30.2
14	30.3	32.5	34.3	36.3
15.9	35.6	38.3	40.3	42.5
17.8	41.1	44.1	46.4	48.8
18.3**	42.6	45.6	47.9	50.3
19.7	46.9	50.2	52.6	55.2
21.7	52.7	56.3	59	61.7
23.6	58.7	62.6	65.4	68.3
25.5	64.8	69	72	75
27.5	71	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-21A LEAR 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon 20 EW
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	92.8	91.5	91.0	90.6
24.6	103.9	102.4	101.8	101.3
27.2	114.9	113.3	112.6	112.1
29.8	125.9	124.2	123.5	122.9
30.4	128.1	126.4	125.6	125.0
32.5**	137.0	135.1	134.3	133.7
35.1	148.1	146.0	145.1	144.5
37.7	159.1	156.9	155.9	155.2
40.3	170.2	167.8	166.8	166.0
42.9	181.2	178.8	177.6	176.8
45.5	192.3	189.7	188.4	187.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	94.1	93.4	93.0	92.6
24.6	105.2	104.5	104.0	103.6
27.2	116.4	115.6	115.1	114.5
29.8	127.6	126.7	126.1	125.5
30.4	129.8	128.9	128.3	127.7
32.5**	138.7	137.8	137.1	136.5
35.1	149.9	148.8	148.1	147.5
37.7	161.1	159.9	159.2	158.5
40.3	172.2	170.9	170.2	169.5
42.9	183.3	182.0	181.2	180.4
45.5	194.4	193.2	192.2	191.3

* Minimum operating weight

** Maximum takeoff weight

Falcon 900, Mystere
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	41.8	51	57.5	67.3
31.9	49	60.2	68.3	82.5
36.1	56.3	69.8	79.6	99
40.4	63.8	79.8	94.1	116.1
44	70.4	88.5	106.9	130.5
44.7**	71.6	90.1	109.3	133.1
48.9	79.6	100.9	124.7	150
53.2	88	114.5	142	167.1
57.5	96.6	129.4	159.3	184.1
61.7	105.5	144.6	176.6	201.3
66	114.7	160.3	193.8	218.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	54.7	60.9	65.3	69.9
31.9	66	73.2	78.2	83.3
36.1	77.8	85.9	91.3	96.8
40.4	90	98.8	104.8	110.7
44	100.5	110	116.3	122.6
44.7**	102.5	112.1	118.5	124.8
48.9	115.3	125.6	132.4	139.1
53.2	128.4	139.3	146.6	153.7
57.5	141.7	153.3	160.9	168.2
61.7	155.3	167.4	175.3	183
66	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon DA-20
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	92.0	91.1	90.7	90.4
24.4	102.1	101.1	100.6	100.3
26.8	112.2	111.0	110.5	110.1
29.1	121.7	120.5	120.0	119.6
29.2	122.2	121.0	120.4	120.0
31.6**	132.3	131.0	130.4	129.9
34.0	142.4	141.0	140.3	139.8
36.4	152.5	150.9	150.2	149.7
38.8	162.6	160.9	160.2	159.6
41.2	172.7	170.9	170.1	169.5
43.7	182.7	180.9	180.0	179.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22.0*	92.9	92.4	92.1	91.8
24.4	103.1	102.5	102.2	101.9
26.8	113.2	112.6	112.3	111.9
29.1	122.9	122.3	121.9	121.5
29.2	123.4	122.8	122.4	121.9
31.6**	133.5	132.9	132.4	132.0
34.0	143.7	143.0	142.4	142.0
36.4	153.9	153.0	152.5	152.1
38.8	164.0	163.1	162.6	162.1
41.2	174.1	173.2	172.6	172.1
43.7	184.2	183.3	182.7	182.1

* Minimum operating weight

** Maximum takeoff weight

Fokker 27 Friendship, FA27
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	32.1	41.6	48.7	56.8
30.7	35.1	49.6	58.4	69.2
35.2	40	57.8	68.9	82.1
39.7	45.7	66.3	80.1	96.2
44.2	51.3	75.1	91.8	112.7
44.5**	51.7	75.7	92.6	113.8
48.7	57.1	84.8	104	130.1
53.2	63	95	116.7	148
57.7	69	105.6	131.4	166.1
62.2	75.2	116.6	147.7	184.2
66.7	81.7	128.1	164.8	202.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	38.8	46	51.4	57.1
30.7	48.3	57	63.3	69.8
35.2	58.3	68.5	75.7	82.9
39.7	68.9	80.3	88.4	96.2
44.2	79.8	92.7	101.3	109.9
44.5**	80.5	93.4	102.2	110.7
48.7	91.2	105.2	114.6	123.8
53.2	102.9	118.1	128.1	137.8
57.7	114.9	131.2	141.8	152.1
62.2	127.2	144.5	155.7	166.5
66.7	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 28 Fellowship, FK28
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.7*	83.2	90.8	96.3	103.6
55.3	98.6	108.4	115.9	125.6
63.8	114.1	126.4	136	150.2
72.4	129.7	144.9	156.8	176.3
81	145.6	163.9	178.3	203.6
82.7**	148.7	167.5	182.5	208.9
89.6	161.8	183.3	201.5	231.9
98.2	178.2	203.2	226.3	261.4
106.8	194.8	223.7	252.2	293
115.4	211.8	244.6	278.9	325.2
124	229.2	267.3	306.5	357.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.7*	95.1	103.5	109.9	116.8
55.3	116.7	127	134.7	142.8
63.8	139.2	151.5	160.3	169.5
72.4	162.7	176.7	186.6	196.8
81	186.9	202.6	213.5	224.6
82.7**	191.6	207.6	218.7	229.9
89.6	211.8	229	240.9	253
98.2	237.3	256	268.9	282
106.8	263.3	283.5	297.2	310.9
115.4	289.9	311.4	326	340.4
124	317	339.8	355.1	370.3

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE 146-100 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 50, FK60
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	32.1	41.6	48.7	56.8
30.7	35.1	49.6	58.4	69.2
35.2	40	57.8	68.9	82.1
39.7	45.7	66.3	80.1	96.2
44.2	51.3	75.1	91.8	112.7
44.5**	51.7	75.7	92.6	113.8
48.7	57.1	84.8	104	130.1
53.2	63	95	116.7	148
57.7	69	105.6	131.4	166.1
62.2	75.2	116.6	147.7	184.2
66.7	81.7	128.1	164.8	202.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.2*	38.8	46	51.4	57.1
30.7	48.3	57	63.3	69.8
35.2	58.3	68.5	75.7	82.9
39.7	68.9	80.3	88.4	96.2
44.2	79.8	92.7	101.3	109.9
44.5**	80.5	93.4	102.2	110.7
48.7	91.2	105.2	114.6	123.8
53.2	102.9	118.1	128.1	137.8
57.7	114.9	131.2	141.8	152.1
62.2	127.2	144.5	155.7	166.5
66.7	139.8	158	169.8	181.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 100, FK10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
51.3*	91.5	100.2	106.8	115.4
61.9	110.4	122.2	131.3	144.3
72.4	129.7	144.8	156.7	176.2
83	149.2	168.1	183.2	209.8
93.5	169.1	192.2	212.5	245
97.5**	176.8	201.5	224.2	258.7
104.1	189.4	217	243.7	282.8
114.6	210.2	242.6	276.3	322.1
125.2	231.5	270.4	310.2	362.1
135.7	253.3	299.8	345.3	405.3
146.3	275.6	330.6	384.8	450.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
51.3*	106.6	116.1	123.2	130.7
61.9	133.9	145.7	154.3	163.2
72.4	162.6	176.6	186.5	196.7
83	192.4	208.4	219.5	230.8
93.5	223.2	241.1	253.4	266
97.5**	235.1	253.6	266.5	279.5
104.1	254.8	274.6	288	301.8
114.6	287.3	308.7	323.2	337.6
125.2	320.6	343.6	359	374.3
135.7	354.5	378.9	395.2	411.7
146.3	389	414.8	431.9	448.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from BAE146-200 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Guardian, HU25
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22*	92	91.1	90.7	90.4
24.4	102.1	101.1	100.6	100.3
26.8	112.2	111	110.5	110.1
29.1	121.7	120.5	120	119.6
29.2	122.2	121	120.4	120
31.6**	132.3	131	130.4	129.9
34	142.4	141	140.3	139.8
36.4	152.5	150.9	150.2	149.7
38.8	162.6	160.9	160.2	159.6
41.2	172.7	170.9	170.1	169.5
43.7	182.7	180.9	180	179.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
22*	92.9	92.4	92.1	91.8
24.4	103.1	102.5	102.2	101.9
26.8	113.2	112.6	112.3	111.9
29.1	122.9	122.3	121.9	121.5
29.2	123.4	122.8	122.4	121.9
31.6**	133.5	132.9	132.4	132
34	143.7	143	142.4	142
36.4	153.9	153	152.5	152.1
38.8	164	163.1	162.6	162.1
41.2	174.1	173.2	172.6	172.1
43.7	184.2	183.3	182.7	182.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from FALCON DA-20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Harrier GR MK3
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.5*	26.5	27.9	30.8	34.2
15.3	31.2	34.9	38.8	43.3
18.1	35.6	42.1	47.1	53.0
21.0	41.2	49.6	55.7	63.0
23.8	47.0	57.2	64.7	76.6
25.3**	50.0	61.4	69.5	83.5
26.6	52.9	65.2	74.0	89.7
29.4	59.2	73.4	83.6	103.9
32.3	65.6	81.8	93.6	118.5
35.1	72.1	90.6	108.7	133.0
37.9	78.9	99.6	121.8	147.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.5*	27.1	30.1	32.6	35.4
15.3	35.1	39.2	42.3	45.8
18.1	43.6	48.7	52.4	56.3
21.0	52.6	58.6	62.9	67.2
23.8	62.0	68.9	73.6	78.2
25.3**	67.1	74.4	79.3	84.0
26.6	71.8	79.4	84.5	89.4
29.4	81.9	90.2	95.5	100.5
32.3	92.2	101.1	106.7	111.9
35.1	102.8	112.2	118.1	123.4
37.9	113.5	123.4	129.5	134.9

* Minimum operating weight

** Maximum takeoff weight

Harrier GR MK7-GR MK10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.3*	36.0	39.9	43.2	47.6
19.8	44.1	49.5	54.1	60.0
23.3	52.2	59.5	65.4	73.1
26.8	60.7	69.9	77.3	92.0
30.4	69.5	80.7	89.8	109.8
32.0**	73.6	85.7	95.6	118.2
33.9	78.5	91.9	102.7	128.2
37.4	87.8	103.5	122.0	146.4
40.9	97.4	115.5	139.0	164.7
44.4	107.3	128.0	157.5	183.1
48.0	117.5	140.8	176.3	201.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.3*	42.7	46.4	49.3	52.4
19.8	54.5	59.2	62.6	66.1
23.3	67.0	72.5	76.4	80.2
26.8	79.9	86.3	90.5	94.5
30.4	93.3	100.3	104.9	109.0
32.0**	99.6	106.8	111.5	115.7
33.9	107.1	114.7	119.4	123.7
37.4	121.2	129.2	134.1	138.5
40.9	135.6	144.0	149.0	153.5
44.4	150.2	158.9	164.0	168.5
48.0	165.1	174.0	179.2	183.7

* Minimum operating weight

** Maximum takeoff weight

HC-130P/N Combat Tanker/Combat Shadow
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	146.9	162.1	169.9	177.6
102.9	181.2	200.6	211.2	222.5
122.9	215.3	239.4	253.0	269.1
142.8	249.3	278.5	295.6	317.6
162.8	283.3	317.9	339.1	367.7
175.0**	304.1	342.2	366.3	399.3
182.7	317.3	357.7	383.7	419.6
202.7	351.4	398.0	429.6	473.4
222.6	385.7	438.9	476.5	529.1
242.6	420.1	480.5	524.7	586.8
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	143.3	154.5	164.0	175.4
102.9	181.6	197.2	210.2	225.0
122.9	221.4	242.0	258.4	277.2
142.8	262.9	288.6	308.5	330.8
162.8	306.0	336.8	360.4	386.6
175.0**	333.4	367.1	392.9	421.0
182.7	350.6	386.6	413.7	442.5
202.7	396.7	437.8	468.4	500.8
222.6	444.0	490.4	524.1	560.0
242.6	492.7	544.1	581.3	620.4
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

Hercules C MK1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
76.3*	138.4	151.6	158.2	164.7
96.9	174.9	192.2	201.6	211.3
117.6	211.2	233.0	245.2	259.6
138.3	247.4	274.2	289.7	309.9
158.9	283.5	315.6	335.2	362.0
174.8**	311.3	347.7	371.0	403.3
179.6	319.6	357.4	381.8	415.9
200.3	355.9	399.7	429.7	471.9
220.9	392.3	442.8	478.9	529.9
241.6	428.8	486.5	529.2	590.0
262.3	465.7	530.9	580.9	651.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
76.3*	133.7	143.4	151.6	161.5
96.9	173.6	187.6	199.3	213.2
117.6	215.2	234.2	249.4	267.1
138.3	258.6	282.8	301.6	322.9
158.9	303.6	333.1	355.8	381.1
174.8**	339.5	373.0	398.5	426.3
179.6	350.4	385.1	411.5	440.1
200.3	398.7	438.9	468.7	500.5
220.9	448.4	493.9	527.1	562.5
241.6	499.6	550.2	587.0	625.5
262.3	552.2	607.9	647.6	689.3

* Minimum operating weight

** Maximum takeoff weight

HH-60G Pave Hawk
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.6*	0.0	0.0	0.0	0.1
13.1	0.0	0.0	0.0	0.1
15.6	0.0	0.0	0.0	0.1
18.1	0.0	0.0	0.0	0.1
20.6	0.0	0.0	0.0	0.1
22.0**	0.0	0.0	0.0	0.1
23.1	0.0	0.0	0.0	0.1
25.5	0.0	0.0	0.0	0.1
28.0	0.0	0.0	0.0	0.1
30.5	0.0	0.0	0.0	0.1
33.0	0.0	0.0	0.0	0.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.6*	31.7	32.7	33.5	34.3
13.1	39.3	40.6	41.6	42.5
15.6	46.9	48.5	49.6	50.7
18.1	54.5	56.4	57.7	59.0
20.6	62.2	64.4	65.8	67.2
22.0**	66.6	68.9	70.4	72.0
23.1	69.8	72.3	73.9	75.5
25.5	77.4	80.2	82.0	83.8
28.0	85.1	88.1	90.0	91.9
30.5	92.7	96.0	98.1	100.2
33.0	100.4	103.9	106.2	108.4

* Minimum operating weight

** Maximum takeoff weight

**HS 125-400/600/700
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.1	24.7	26.5	28.9
16.3	27.9	29.6	32.1	35.2
18.9	31.7	34.8	37.9	41.9
21.5	35.2	40.1	43.9	48.7
24	39.5	45.5	50	55.8
24.7**	40.6	46.7	51.5	57.5
26.6	44.1	51	56.3	63.5
29.2	48.7	56.6	62.8	72.6
31.8	53.4	62.4	69.5	81.9
34.4	58.1	68.4	76.4	91.4
37	62.9	74.4	83.4	101.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.7*	24.3	26.5	28.3	30.4
16.3	30	32.8	35.2	37.7
18.9	36.1	39.5	42.3	45.3
21.5	42.4	46.5	49.6	53.1
24	48.9	53.7	57.2	60.9
24.7**	50.5	55.4	59	62.8
26.6	55.7	61	64.9	68.9
29.2	62.7	68.6	72.8	77.1
31.8	69.9	76.3	80.7	85.4
34.4	77.2	84.1	88.8	93.7
37	84.7	92.1	97.1	102.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

HS 748, A748
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	41.8	51	57.5	67.3
31.9	49	60.2	68.3	82.5
36.1	56.3	69.8	79.6	99
40.4	63.8	79.8	94.1	116.1
44	70.4	88.5	106.9	130.5
44.7**	71.6	90.1	109.3	133.1
48.9	79.6	100.9	124.7	150
53.2	88	114.5	142	167.1
57.5	96.6	129.4	159.3	184.1
61.7	105.5	144.6	176.6	201.3
66	114.7	160.3	193.8	218.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
27.6*	54.7	60.9	65.3	69.9
31.9	66	73.2	78.2	83.3
36.1	77.8	85.9	91.3	96.8
40.4	90	98.8	104.8	110.7
44	100.5	110	116.3	122.6
44.7**	102.5	112.1	118.5	124.8
48.9	115.3	125.6	132.4	139.1
53.2	128.4	139.3	146.6	153.7
57.5	141.7	153.3	160.9	168.2
61.7	155.3	167.4	175.3	183
66	169.1	181.7	189.9	197.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-62 Ilyushin 62
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	267.7	286.1	315.1	390.5
284	304.2	329.3	373.8	477.7
316.7	341.5	375.1	437.7	578.2
349.3	379.8	423.7	507	689
363.6	396.8	446.9	538.8	738.9
382**	419.2	478.4	581.7	804.9
414.7	459.8	537.2	668.8	922.3
447.3	501.4	599.9	765.2	1040.7
480	544.6	666.7	871.9	1161.2
512.7	589.3	737.7	985.2	1283.2
545.3	635.9	813.5	1105.3	1407.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
251.3*	290.5	337.4	381.1	432.6
284	343.4	403.1	455.5	514.2
316.7	400.9	473.5	533.5	599.4
349.3	463	548	615.3	687.5
363.6	491.4	581.6	652	726.4
382**	529.3	626.3	700.2	777.9
414.7	599.5	707.8	787.7	871.3
447.3	673.6	792.2	877.7	966.6
480	751.1	879	970.3	1063.9
512.7	831.6	968.6	1065.1	1164.1
545.3	914.7	1060.5	1161.7	1264.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from A-310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-76MD Candid B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
196.2*	68.5	87.8	103.7	127.3
244.2	84.4	113.4	137.8	174.7
292.2	104.0	141.9	176.1	232.5
340.3	123.7	173.3	219.9	297.9
388.3	144.0	207.7	270.9	369.1
418.9**	158.1	231.3	306.9	417.5
436.3	166.2	246.3	328.3	446.7
484.3	189.4	291.2	390.9	535.1
532.3	214.3	339.8	458.4	633.6
580.3	244.3	392.8	529.0	741.2
628.4	280.1	450.7	604.2	854.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
196.2*	101.5	120.0	132.0	145.2
244.2	139.9	161.7	176.5	194.8
292.2	181.1	205.8	224.3	250.0
340.3	224.2	252.5	276.0	311.1
388.3	269.2	302.0	332.1	378.6
418.9**	298.8	335.2	370.3	425.3
436.3	316.1	354.7	392.9	452.4
484.3	364.6	410.7	458.3	532.9
532.3	415.3	470.2	528.8	619.3
580.3	468.3	533.5	604.3	711.1
628.4	523.6	601.1	685.0	807.8

* Minimum operating weight

** Maximum takeoff weight

IL-76MF Candid (Stretched)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
222.7*	74.6	101.4	122.0	152.2
275.1	97.1	131.5	161.9	211.0
327.5	118.5	164.7	207.3	279.9
380.0	140.5	201.5	261.5	356.3
432.4	164.4	242.8	323.4	440.1
463.0**	179.0	270.8	362.5	494.3
484.8	189.6	291.7	391.6	536.1
537.2	217.0	344.9	465.4	644.2
589.7	251.0	403.7	543.3	762.7
642.1	290.8	467.9	626.6	888.7
694.5	334.1	536.7	715.6	1024.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
222.7*	122.3	142.7	156.2	171.9
275.1	166.2	189.8	206.9	229.5
327.5	212.6	239.9	262.1	294.2
380.0	261.4	293.3	322.1	366.5
432.4	312.1	350.3	387.8	446.6
463.0**	342.8	385.4	428.7	496.3
484.8	365.2	411.3	459.0	533.8
537.2	420.7	476.5	536.4	628.4
589.7	478.8	546.3	619.6	729.4
642.1	539.9	620.7	708.9	836.7
694.5	604.0	700.2	804.3	950.4

* Minimum operating weight

** Maximum takeoff weight

IL-76T Candid A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
178.2*	64.0	78.7	91.9	111.6
220.9	74.2	100.5	120.7	150.4
263.5	92.4	124.6	152.7	197.0
306.2	109.7	150.8	188.1	250.8
348.9	127.3	179.2	228.6	310.4
374.8**	138.3	197.7	255.8	348.5
391.5	145.4	210.1	274.6	374.1
434.2	165.2	244.4	325.7	443.2
476.9	185.7	284.0	380.9	520.7
519.5	207.2	326.5	440.1	606.5
562.2	231.5	372.0	501.8	699.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
178.2*	88.1	105.0	116.2	127.9
220.9	120.8	141.1	154.5	170.1
263.5	156.2	179.2	195.4	216.1
306.2	193.5	219.2	238.9	267.3
348.9	232.2	261.2	285.8	322.8
374.8**	256.5	287.8	315.9	359.0
391.5	272.3	305.5	336.2	383.4
434.2	314.0	352.3	390.2	449.0
476.9	357.0	401.8	447.8	519.9
519.5	401.6	454.0	509.5	595.7
562.2	448.0	509.2	575.2	675.7

* Minimum operating weight

** Maximum takeoff weight

IL-76TD Candid A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
178.2*	64.0	78.7	91.9	111.6
228.2	75.8	104.4	126.0	157.6
278.2	98.3	133.3	164.5	214.9
328.3	118.8	165.2	208.0	280.9
378.3	139.7	200.2	259.6	353.8
418.9**	158.1	231.3	306.9	417.5
428.3	162.4	239.2	318.3	433.2
478.3	186.4	285.4	382.8	523.5
528.3	212.0	335.6	452.8	625.1
578.3	242.9	390.5	526.0	736.7
628.4	280.1	450.7	604.2	854.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
178.2*	88.1	105.0	116.2	127.9
228.2	126.8	147.5	161.4	177.7
278.2	168.9	192.7	210.1	233.2
328.3	213.3	240.6	262.7	295.2
378.3	259.8	291.5	320.0	364.0
418.9**	298.8	335.2	370.3	425.3
428.3	308.1	345.7	382.5	440.1
478.3	358.4	403.5	449.8	522.6
528.3	411.0	465.1	522.8	611.9
578.3	466.0	530.7	601.1	707.2
628.4	523.6	601.1	685.0	807.8

* Minimum operating weight

** Maximum takeoff weight

Jaguar GR MK1-T MK2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.4*	27.7	29.9	33.0	36.8
20.3	33.2	38.1	42.4	48.6
24.2	39.3	46.8	52.4	62.2
28.2	46.5	55.8	62.8	77.0
32.1	53.9	65.2	76.1	92.9
34.6**	58.6	71.2	84.5	102.8
36.1	61.6	75.0	89.9	108.8
40.0	69.5	85.5	104.4	124.7
44.0	77.7	98.8	120.5	140.5
47.9	86.3	112.5	136.6	156.3
51.9	95.1	126.6	152.7	172.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
16.4*	31.0	34.1	36.5	39.2
20.3	40.9	44.9	48.0	51.3
24.2	51.4	56.4	59.9	63.7
28.2	62.4	68.2	72.3	76.4
32.1	73.9	80.4	84.9	89.4
34.6**	81.2	88.1	92.8	97.5
36.1	85.8	93.0	97.8	102.6
40.0	98.0	105.7	110.9	116.1
44.0	110.5	118.7	124.2	129.7
47.9	123.2	132.0	137.8	143.6
51.9	136.1	145.4	151.5	157.5

* Minimum operating weight

** Maximum takeoff weight

KC-10A Refueler
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
240.0*	204.1	206.7	211.3	222.7
311.7	264.1	269.9	279.0	305.2
383.3	324.4	334.6	351.5	400.4
455.0	385.3	401.4	431.1	513.1
526.7	447.0	471.1	518.4	644.2
590.0**	502.1	536.2	602.5	772.8
598.3	509.5	545.0	613.5	790.6
670.0	573.0	624.0	723.4	956.2
741.7	637.9	708.2	844.9	1128.3
813.3	704.4	798.1	977.9	1317.1
885.0	772.8	895.0	1122.2	1505.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
240.0*	190.8	201.1	215.9	240.6
311.7	253.1	276.0	303.9	344.7
383.3	321.8	361.5	404.7	461.8
455.0	398.4	457.9	516.8	589.4
526.7	483.1	564.5	638.6	725.2
590.0**	565.3	666.9	753.7	851.7
598.3	576.5	680.2	769.1	868.5
670.0	678.5	804.7	906.6	1018.2
741.7	788.4	935.9	1050.7	1174.3
813.3	906.5	1074.2	1200.2	1332.6
885.0	1031.1	1218.2	1354.8	1496.9

* Minimum operating weight

** Maximum takeoff weight

KC-46A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
273.0*	285.4	296.3	316.0	372.6
312.0	326.9	342.9	372.7	456.6
351.0	369.1	391.5	434.9	551.2
390.0	412.0	442.7	504.1	658.9
416.0	441.2	478.3	554.7	736.3
429.0**	455.9	496.6	580.9	775.7
468.0	500.3	554.1	664.1	895.4
507.0	545.9	615.3	754.4	1019.7
546.0	592.6	681.7	852.6	1154.3
585.0	640.6	754.5	963.1	1299.5
624.0	690.1	831.7	1080.3	1448.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
273.0*	295.4	336.7	378.4	430.1
312.0	351.6	407.0	458.5	519.6
351.0	412.7	482.6	543.8	613.7
390.0	479.0	563.3	633.8	711.3
416.0	525.9	619.9	695.9	778.2
429.0**	550.1	648.8	727.5	812.4
468.0	625.8	738.3	824.4	916.9
507.0	706.2	831.2	924.9	1023.6
546.0	790.6	927.4	1028.3	1133.8
585.0	878.5	1027.0	1134.2	1244.4
624.0	969.6	1129.4	1242.4	1358.6

* Minimum operating weight

** Maximum takeoff weight

**KC-135 Refueler
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
104.3*	101.8	105.1	108.3	114.8
146.5	142.6	149.1	156.5	172.5
188.8	183.8	195.0	208.8	242.2
231.0	225.8	243.4	267.7	323.6
273.3	268.7	294.8	334.6	423.7
315.5**	313.0	350.8	409.6	543.3
323.0	320.9	361.3	423.7	567.3
357.8	358.7	412.3	494.5	682.1
400.0	406.2	479.4	595.3	825.3
442.3	455.8	552.4	706.9	968.6
484.5	508.9	631.6	840.4	1114.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
104.3*	97.3	101.0	106.4	117.1
146.5	139.2	149.6	163.7	186.0
188.8	185.2	206.8	232.1	266.6
231.0	237.1	273.4	310.4	356.4
273.3	295.8	348.8	397.1	452.5
315.5**	362.0	432.0	490.6	555.2
323.0	374.5	447.5	507.8	573.9
357.8	435.8	521.9	590.0	662.6
400.0	516.2	617.8	694.4	773.8
442.3	603.0	718.8	802.6	889.4
484.5	695.6	824.0	914.9	1008.1

* Minimum operating weight

** Maximum takeoff weight

**KC-135A Refueler
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
104.3*	103.2	107.6	111.2	117.8
143.0	141.0	148.5	155.9	169.9
181.7	178.9	190.9	203.7	229.9
220.3	217.3	235.1	255.2	304.1
259.0	256.4	281.4	311.9	385.5
297.7**	296.4	330.2	379.5	485.2
301.6	300.5	335.3	386.5	496.1
336.4	337.5	382.1	451.6	601.6
375.0	379.8	437.7	530.4	729.6
413.7	423.5	497.3	622.9	863.8
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
104.3*	98.4	102.0	107.0	116.9
143.0	136.6	145.4	157.8	178.6
181.7	177.4	195.1	217.6	250.2
220.3	222.2	252.2	286.1	330.7
259.0	271.8	317.1	362.4	417.3
297.7**	327.2	389.0	445.3	509.4
301.6	333.1	396.6	454.2	519.0
336.4	388.7	467.2	533.5	606.5
375.0	456.3	551.1	626.8	707.6
413.7	529.4	640.0	724.0	811.9
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

KC-135E Stratotanker
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
112.2*	110.9	115.9	120.1	127.9
153.5	151.3	159.9	168.6	185.4
194.8	191.9	205.6	220.7	255.4
236.1	233.1	253.6	277.6	336.1
277.3	275.3	304.2	340.8	430.6
318.6**	318.5	357.9	417.7	544.9
322.5	322.7	363.1	425.0	556.4
359.9	363.1	415.5	498.8	678.1
401.2	409.2	477.6	591.3	820.4
442.5	457.1	553.9	698.8	963.9
483.8	506.8	630.3	820.7	1109.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
112.2*	106.1	110.5	116.6	128.7
153.5	147.4	158.3	173.1	197.1
194.8	192.1	213.7	239.9	276.7
236.1	241.7	277.8	316.4	365.3
277.3	297.3	350.4	401.0	460.2
318.6**	359.7	430.6	492.4	561.7
322.5	365.9	438.6	501.3	571.4
359.9	429.2	517.7	589.9	667.6
401.2	505.3	610.7	692.2	777.8
442.5	587.7	709.0	798.5	891.9
483.8	676.1	811.6	909.0	1009.1

* Minimum operating weight

** Maximum takeoff weight

**KC-135R/T Stratotanker
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
119.2*	117.8	123.3	128.1	137.1
159.7	157.4	166.7	176.2	194.9
200.2	197.3	211.8	227.9	265.5
240.7	237.9	259.3	284.5	345.9
281.2	279.3	309.1	347.1	440.8
321.7**	321.9	362.1	423.6	554.1
322.5	322.7	363.1	425.0	556.4
362.2	365.7	418.9	503.6	686.0
402.7	411.0	480.0	595.2	825.8
443.2	458.0	555.3	700.9	966.7
483.8	506.8	630.3	820.7	1109.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
119.2*	112.9	118.1	125.5	139.3
159.7	153.9	166.1	182.6	208.6
200.2	198.4	221.7	249.5	288.0
240.7	247.7	285.7	325.6	375.8
281.2	302.9	357.7	409.4	469.5
321.7**	364.7	437.0	499.6	569.5
322.5	365.9	438.6	501.3	571.4
362.2	433.3	522.8	595.6	673.7
402.7	508.3	614.4	696.2	782.0
443.2	589.3	710.9	800.6	894.1
483.8	676.1	811.6	909.0	1009.1

* Minimum operating weight

** Maximum takeoff weight

L-159
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	39.6	41.2	41.9	42.3
12	47.7	49.5	50.3	50.8
14	55.8	57.8	58.6	59.3
16	63.8	66	67	67.7
18	71.8	74.3	75.4	76.2
18.7**	74.5	77.1	78.2	79.1
20	79.7	82.5	83.8	84.7
22	87.7	90.8	92.1	93.1
24	95.7	99	100.5	101.6
26	103.6	107.2	108.8	110
28.1	111.6	115.5	117.2	118.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	38.7	39.2	39.6	40.1
12	46.5	47.2	47.7	48.2
14	54.3	55.1	55.7	56.3
16	62.1	63.2	63.8	64.5
18	70	71.1	71.8	72.6
18.7**	72.7	73.8	74.6	75.3
20	77.9	79.1	79.9	80.8
22	85.7	87	87.9	88.8
24	93.5	95	96	97
26	101.4	103	104	105.1
28.1	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

L-1011-500
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
245.7*	249.0	255.0	262.9	283.7
301.4	305.0	314.8	328.8	368.2
357.1	361.3	376.1	399.7	465.1
412.8	418.2	439.6	476.7	574.8
468.5	475.9	505.9	561.9	698.4
498.0**	506.7	542.5	610.3	772.7
524.2	534.3	576.1	655.1	841.5
579.9	593.6	650.2	756.5	993.7
635.6	654.2	728.6	866.8	1161.1
691.3	716.2	815.2	986.0	1335.9
747.0	779.8	906.2	1123.1	1515.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
245.7*	237.7	254.2	276.8	312.1
301.4	298.1	328.4	364.6	415.7
357.1	364.2	411.6	462.4	528.5
412.8	436.9	503.8	569.5	649.9
468.5	516.2	604.1	684.1	777.4
498.0**	561.1	660.5	748.1	848.0
524.2	602.8	711.9	805.9	911.7
579.9	696.8	827.2	933.8	1050.7
635.6	797.1	948.2	1067.3	1194.3
691.3	904.9	1075.2	1205.0	1342.3
747.0	1017.5	1207.2	1347.4	1493.9

* Minimum operating weight

** Maximum takeoff weight

LC-130H Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
77.6*	130.5	148.0	156.6	164.7
98.1	163.8	186.5	198.5	210.3
118.7	196.8	225.3	240.7	257.6
139.2	229.7	264.4	283.7	306.9
159.8	262.5	303.8	327.8	358.0
175.0**	286.8	333.2	361.1	397.1
180.3	295.3	343.5	372.9	411.0
200.9	328.2	383.9	419.3	466.1
221.4	361.2	424.8	467.0	523.4
242.0	394.3	466.5	516.0	582.8
262.5	427.7	509.0	566.2	643.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
77.6*	127.1	138.2	147.5	158.5
98.1	164.5	180.3	193.3	208.5
118.7	203.4	224.7	241.5	260.7
139.2	244.2	271.0	291.8	314.8
159.8	286.6	319.1	344.0	370.9
175.0**	319.2	355.9	383.7	413.6
180.3	331.0	369.0	397.8	428.5
200.9	376.4	420.5	452.9	487.3
221.4	423.6	473.4	509.5	547.5
242.0	472.1	527.6	567.5	608.8
262.5	522.1	583.1	626.2	670.9

* Minimum operating weight

** Maximum takeoff weight

Learjet 23/24/25/28/36/55
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	19.4	19.9	20.6	22.7
12	22.8	23.5	25.2	28
14	26.1	27.4	30	34.2
15.9	29.4	31.8	35	40.7
17.8	32.6	36.3	40.1	47.4
18.3**	33.4	37.4	41.4	49.1
19.7	35.8	41	46	55
21.7	39.7	45.7	52.3	62.9
23.6	43.7	50.7	58.8	70.7
25.5	47.9	55.7	65.4	78.6
27.5	52.1	61.5	72.3	86.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.1*	20.3	21.7	22.9	24.3
12	25.2	27	28.5	30.2
14	30.3	32.5	34.3	36.3
15.9	35.6	38.3	40.3	42.5
17.8	41.1	44.1	46.4	48.8
18.3**	42.6	45.6	47.9	50.3
19.7	46.9	50.2	52.6	55.2
21.7	52.7	56.3	59	61.7
23.6	58.7	62.6	65.4	68.3
25.5	64.8	69	72	75
27.5	71	75.5	78.5	81.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-21A LEARJET 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

M-28A Skytruck
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.7*	26.4	29.6	33.2	35.6
11.4	29.5	35.0	39.0	41.8
13.1	32.2	40.4	44.8	47.9
14.7	34.6	45.6	50.5	54.0
16.4	37.7	50.9	56.3	60.1
16.5**	38.0	51.2	56.7	60.5
18.1	41.9	56.0	61.9	66.1
19.8	46.1	61.2	67.6	72.2
21.4	50.1	66.3	73.2	78.2
23.1	54.1	71.4	78.9	84.3
24.8	58.0	76.4	84.5	90.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.7*	21.9	24.0	25.6	27.2
11.4	26.0	28.6	30.5	32.4
13.1	30.1	33.2	35.4	37.5
14.7	34.3	37.8	40.2	42.7
16.4	38.5	42.4	45.1	47.8
16.5**	38.8	42.8	45.5	48.2
18.1	42.7	47.1	50.0	52.9
19.8	46.9	51.7	54.8	58.0
21.4	51.1	56.3	59.7	63.1
23.1	55.3	60.9	64.6	68.2
24.8	59.6	65.5	69.5	73.3

* Minimum operating weight

** Maximum takeoff weight

MC-130E Combat Talon I
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	146.9	162.1	169.9	177.6
102.9	181.2	200.6	211.2	222.5
122.9	215.3	239.4	253.0	269.1
142.8	249.3	278.5	295.6	317.6
162.8	283.3	317.9	339.1	367.7
175.0**	304.1	342.2	366.3	399.3
182.7	317.3	357.7	383.7	419.6
202.7	351.4	398.0	429.6	473.4
222.6	385.7	438.9	476.5	529.1
242.6	420.1	480.5	524.7	586.8
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	143.3	154.5	164.0	175.4
102.9	181.6	197.2	210.2	225.0
122.9	221.4	242.0	258.4	277.2
142.8	262.9	288.6	308.5	330.8
162.8	306.0	336.8	360.4	386.6
175.0**	333.4	367.1	392.9	421.0
182.7	350.6	386.6	413.7	442.5
202.7	396.7	437.8	468.4	500.8
222.6	444.0	490.4	524.1	560.0
242.6	492.7	544.1	581.3	620.4
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MC-130H Combat Talon II
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	146.9	162.1	169.9	177.6
102.9	181.2	200.6	211.2	222.5
122.9	215.3	239.4	253.0	269.1
142.8	249.3	278.5	295.6	317.6
162.8	283.3	317.9	339.1	367.7
175.0**	304.1	342.2	366.3	399.3
182.7	317.3	357.7	383.7	419.6
202.7	351.4	398.0	429.6	473.4
222.6	385.7	438.9	476.5	529.1
242.6	420.1	480.5	524.7	586.8
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	143.3	154.5	164.0	175.4
102.9	181.6	197.2	210.2	225.0
122.9	221.4	242.0	258.4	277.2
142.8	262.9	288.6	308.5	330.8
162.8	306.0	336.8	360.4	386.6
175.0**	333.4	367.1	392.9	421.0
182.7	350.6	386.6	413.7	442.5
202.7	396.7	437.8	468.4	500.8
222.6	444.0	490.4	524.1	560.0
242.6	492.7	544.1	581.3	620.4
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MC-130P Combat Shadow
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	146.9	162.1	169.9	177.6
102.9	181.2	200.6	211.2	222.5
122.9	215.3	239.4	253.0	269.1
142.8	249.3	278.5	295.6	317.6
162.8	283.3	317.9	339.1	367.7
175.0**	304.1	342.2	366.3	399.3
182.7	317.3	357.7	383.7	419.6
202.7	351.4	398.0	429.6	473.4
222.6	385.7	438.9	476.5	529.1
242.6	420.1	480.5	524.7	586.8
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	143.3	154.5	164.0	175.4
102.9	181.6	197.2	210.2	225.0
122.9	221.4	242.0	258.4	277.2
142.8	262.9	288.6	308.5	330.8
162.8	306.0	336.8	360.4	386.6
175.0**	333.4	367.1	392.9	421.0
182.7	350.6	386.6	413.7	442.5
202.7	396.7	437.8	468.4	500.8
222.6	444.0	490.4	524.1	560.0
242.6	492.7	544.1	581.3	620.4
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

MD-11
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
288.9*	257.2	260.0	266.9	288.6
362.3	322.2	328.6	342.8	386.6
435.7	387.8	399.6	426.2	502.6
509.1	454.3	473.7	518.2	639.2
582.5	521.6	552.5	618.4	793.0
633.0**	568.7	610.0	697.2	911.3
655.9	590.2	636.9	734.8	967.0
729.3	660.3	727.1	864.1	1149.2
802.7	732.3	823.5	1005.9	1348.6
876.1	806.5	928.2	1160.0	1549.3
949.5	884.2	1044.6	1332.6	1770.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
288.9*	247.1	266.1	290.3	326.8
362.3	320.3	355.9	395.4	449.1
435.7	402.1	457.5	513.0	582.3
509.1	492.9	570.5	641.5	725.4
582.5	592.9	693.3	779.4	876.4
633.0**	667.5	783.5	878.8	984.8
655.9	702.7	825.5	925.1	1034.5
729.3	820.7	965.2	1078.0	1198.3
802.7	947.4	1112.5	1236.8	1367.7
876.1	1081.4	1265.8	1400.9	1541.3
949.5	1222.7	1424.7	1570.2	1719.7

* Minimum operating weight

** Maximum takeoff weight

MD-81
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
77.9*	157.3	169.2	180.3	202.5
92.6	188.5	204.9	222.2	252.9
107.2	220.7	242.2	268.3	306.8
121.9	253.8	281.6	317.1	364
136.6	287.9	325.6	368	425.3
140**	296	336.1	379.8	440.2
151.3	323.1	372	423.7	490.8
166	359.5	420.4	481.7	556.7
180.6	397.3	470.8	542	622
195.3	438.9	526.2	606.8	686.2
210	482.5	584.7	673.6	750.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
77.9*	198.5	211	220	229.4
92.6	244.7	259.5	270	280.9
107.2	292.6	309.5	321.3	333.1
121.9	342.2	360.8	373.7	386.6
136.6	393	413.3	427.1	441.2
140**	404.9	425.6	439.6	453.7
151.3	445	466.8	481.5	496.4
166	498	521.1	536.8	552.6
180.6	552.2	576.2	592.6	609.5
195.3	606.8	632.6	649.3	666.8
210	662.6	689	706.3	724.5

* Minimum operating weight

** Maximum takeoff weight

MD-82/88
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78*	161.8	171.9	182.3	203.9
94.2	197.5	212.2	229.3	259.9
110.5	234.2	254.4	281.3	320.5
126.7	272.2	299.9	336.3	384.4
143	311.5	350.2	393.7	454.8
149.5**	327.6	371.2	419.2	484.1
159.2	352.1	403.2	457.7	528
175.5	394.2	458.7	522.8	601.1
191.7	439.6	516.8	593.1	672.6
208	488.5	581.9	667.3	743.9
224.2	539.7	648	741.8	815.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
78*	203.9	215.5	223.9	232.7
94.2	256.1	270	279.9	290.5
110.5	310.4	326.4	337.6	349
126.7	366.6	384.3	396.6	409.4
143	424.3	443.6	456.9	470.3
149.5**	447.8	467.8	481.3	495.1
159.2	483.3	504.1	518.2	532.6
175.5	543.5	565.8	580.6	595.9
191.7	604.9	628.2	643.5	659.7
208	667.3	691.2	707.4	724.1
224.2	730.7	755.7	772.4	789.3

* Minimum operating weight

** Maximum takeoff weight

MD-83
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
79.7*	168.2	177.7	187.9	210.3
97.5	208.1	222.5	240.8	272
115.3	249.5	269.6	298.9	340.1
133.1	292.3	322	360.5	412
150.9	336.6	378.9	426.4	491.4
160**	359.9	409	462.4	532.3
168.7	382.7	438.8	497.4	571.8
186.6	431.1	501.4	571.6	650.9
204.4	484.6	570.4	652.3	729.3
222.2	540.9	643	734.2	807.7
240	599.8	717.9	816.1	886.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
79.7*	212.5	223.8	232	240.7
97.5	270.8	284.5	294.1	304.2
115.3	331.7	347.2	358.2	369.5
133.1	394.3	411.8	423.8	436.2
150.9	458.8	477.6	490.8	504.3
160**	492.2	511.8	525.4	539.3
168.7	524.8	545.2	559.1	573.4
186.6	592.2	613.9	628.2	643.5
204.4	660.9	683.1	698.5	714.3
222.2	730.8	754.2	769.9	786
240	801.3	825.8	841.6	858.7

* Minimum operating weight

** Maximum takeoff weight

MD-87
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.9*	155.1	164.4	174	193.6
91.5	191.3	205.3	220.9	250.3
108.1	228.7	248	273.4	311.1
124.7	267.3	293.7	329.2	376.2
141.3	307.3	344.8	387.2	447.1
149.5**	327.6	371.2	419.2	484.1
157.9	348.6	398.6	452.2	521.8
174.5	391.5	455.1	518.6	596.5
191.1	437.6	514.1	590	669.5
207.7	487.4	580.5	665.7	742.4
224.2	539.7	648	741.8	815.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
74.9*	194.2	205.3	213.5	222
91.5	247.1	260.5	270.4	280.6
108.1	302.2	317.9	329	340.2
124.7	359.4	376.8	389.1	401.8
141.3	418.1	437.3	450.4	463.7
149.5**	447.8	467.8	481.3	495.1
157.9	478.3	498.9	512.9	527.3
174.5	539.7	561.8	576.6	591.8
191.1	602.2	625.6	640.8	657
207.7	666	689.8	706.1	722.7
224.2	730.7	755.7	772.4	789.3

* Minimum operating weight

** Maximum takeoff weight

MH-53J/M Pave Low
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.5*	36.4	39.1	41.8	45.7
29.2	45.8	49.9	53.8	60.6
34.9	55.5	61.1	66.4	77.8
40.7	65.4	72.8	79.7	96.5
46.4	75.8	85.1	96.7	116.1
50.0**	82.5	93.2	107.8	128.5
52.1	86.5	97.9	114.3	135.6
57.8	97.5	111.4	133.0	155.0
63.6	109.0	128.8	153.1	174.5
69.3	120.8	146.5	173.2	194.1
75.0	133.1	164.7	193.2	213.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
23.5*	44.1	47.0	49.3	51.8
29.2	57.6	61.4	64.2	67.2
34.9	71.9	76.4	79.6	83.1
40.7	86.7	91.9	95.5	99.2
46.4	102.0	107.7	111.7	115.8
50.0**	111.9	118.0	122.2	126.4
52.1	117.7	124.0	128.3	132.7
57.8	133.8	140.6	145.2	149.8
63.6	150.3	157.4	162.2	167.1
69.3	167.1	174.6	179.6	184.7
75.0	184.1	191.9	197.2	202.3

* Minimum operating weight

** Maximum takeoff weight

**MHU-196 Airfield
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
40.0*	93.4	92.5	93.8	97.2
48.9	114.1	113.9	116.3	121.5
57.8	134.9	135.8	139.5	147.2
66.7	155.8	158.2	163.4	174.4
75.6	177.4	181.1	188.0	202.9
80.0**	188.2	192.7	200.6	217.6
84.4	199.2	204.5	213.6	232.6
93.3	221.3	228.4	240.3	268.2
102.2	243.7	252.8	267.8	300.9
111.1	266.5	277.8	296.3	334.3
120.0	289.6	303.6	325.7	368.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
40.0*	105.7	109.4	112.7	116.6
48.9	132.8	137.8	142.0	146.8
57.8	161.0	167.3	172.3	177.9
66.7	190.1	197.6	203.3	209.8
75.6	220.0	228.7	235.1	242.0
80.0**	235.3	244.4	251.2	258.5
84.4	250.8	260.3	267.5	275.1
93.3	282.2	292.6	300.3	308.0
102.2	314.3	325.5	333.7	341.5
111.1	346.8	358.9	367.4	375.4
120.0	379.9	392.7	401.5	409.8

* Minimum operating weight

** Maximum takeoff weight

MIG-25 Russian
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.2*	165.7	170.1	172.1	173.5
53.5	204.9	210.4	212.9	214.6
63.7	244.1	250.6	253.6	255.7
74.0	283.2	290.9	294.3	296.8
84.3	322.2	331.1	335.0	337.9
90.4**	345.6	355.1	359.3	362.4
94.5	361.3	371.3	375.7	378.9
104.8	400.4	411.5	416.4	420.0
115.0	439.4	451.7	457.1	461.1
125.3	478.5	491.9	497.8	502.2
135.6	517.6	532.1	538.4	543.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
43.2*	163.4	165.3	166.6	168.0
53.5	202.3	204.7	206.3	208.0
63.7	241.3	244.1	245.9	247.9
74.0	280.2	283.6	285.6	288.1
84.3	319.2	322.8	325.3	327.7
90.4**	342.3	346.4	349.0	351.6
94.5	358.0	362.2	364.9	367.7
104.8	397.0	401.7	404.6	408.0
115.0	435.9	441.1	444.3	448.0
125.3	474.8	480.4	483.9	487.6
135.6	513.8	519.5	523.6	527.6

* Minimum operating weight

** Maximum takeoff weight

MIG-29 Russian
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
24.0*	91.5	94.3	95.5	96.4
28.6	108.9	112.2	113.6	114.7
33.2	126.2	130.0	131.7	133.0
37.7	143.5	147.9	149.8	151.2
42.3	160.8	165.7	167.9	169.5
43.4**	165.0	170.1	172.4	174.0
46.9	178.0	183.5	186.0	187.7
51.4	195.3	201.3	204.1	206.0
56.0	212.5	219.1	222.1	224.2
60.6	229.8	236.9	240.2	242.5
65.1	247.0	254.7	258.2	260.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
24.0*	89.7	90.9	91.7	92.5
28.6	106.8	108.3	109.3	110.2
33.2	123.9	125.7	126.8	127.9
37.7	141.1	143.1	144.3	145.6
42.3	158.2	160.3	161.8	163.3
43.4**	162.5	164.6	166.1	167.6
46.9	175.4	177.7	179.3	181.0
51.4	192.5	195.0	196.8	198.6
56.0	209.6	212.5	214.4	216.4
60.6	226.8	229.9	231.9	233.9
65.1	243.9	247.3	249.3	251.6

* Minimum operating weight

** Maximum takeoff weight

Mirage 2000, MIR2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	69	67.6	67	66.5
21.7	86.1	84.4	83.6	83.1
26	103.3	101.2	100.3	99.6
30.4	120.5	118	117	116.2
34.7	137.6	134.9	133.6	132.7
37.5**	148.9	145.9	144.6	143.6
39	154.8	151.7	150.3	149.3
43.3	172	168.6	167	165.9
47.6	189.2	185.4	183.7	182.4
51.9	206.5	202.3	200.4	199
56.3	223.7	219.1	217.1	215.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	70.6	69.9	69.4	68.9
21.7	88	87.2	86.5	85.9
26	105.4	104.3	103.6	102.9
30.4	122.8	121.6	120.8	119.9
34.7	140.3	138.9	137.9	137
37.5**	151.7	150.2	149.1	148.2
39	157.7	156.1	155	154
43.3	175.1	173.3	172.1	171
47.6	192.5	190.5	189.3	188
51.9	210	207.8	206.4	205
56.3	227.4	225.1	223.6	221.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from F-16D which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

MQ-1B Predator
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.9*	6.5	6.7	6.8	6.9
2.1	7.0	7.1	7.3	7.4
2.2	7.5	7.7	7.8	8.0
2.3	7.5	7.7	7.8	8.0
2.4	7.9	8.1	8.3	8.4
2.6**	8.3	8.6	8.7	9.0
2.7	8.7	9.0	9.2	9.4
2.9	9.1	9.4	9.7	9.9
3.0	9.5	9.9	10.1	10.4
3.2	9.9	10.3	10.6	10.9
3.4	10.3	10.7	11.0	11.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.9*	4.8	4.9	5.0	5.0
2.1	5.1	5.2	5.3	5.4
2.2	5.4	5.5	5.6	5.7
2.3	5.4	5.5	5.6	5.7
2.4	5.6	5.8	5.9	6.0
2.6**	5.9	6.0	6.2	6.3
2.7	6.1	6.3	6.5	6.6
2.9	6.4	6.6	6.7	6.9
3.0	6.6	6.9	7.0	7.2
3.2	6.9	7.1	7.3	7.5
3.4	7.1	7.4	7.6	7.8

* Minimum operating weight

** Maximum takeoff weight

MQ-1C Gray Eagle
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.6*	8.7	8.9	9.1	9.4
2.9	9.5	9.8	10.1	10.3
3.2	10.3	10.7	11.0	11.3
3.5	11.1	11.5	11.9	12.2
3.6	11.3	11.8	12.1	12.5
3.8**	11.8	12.3	12.7	13.2
4.1	12.5	13.1	13.5	14.0
4.5	13.1	13.8	14.4	14.9
4.8	13.8	14.5	15.1	16.0
5.1	14.4	15.2	15.9	17.3
5.4	15.0	15.9	16.6	18.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.6*	6.1	6.3	6.4	6.6
2.9	6.6	6.8	7.0	7.2
3.2	7.1	7.3	7.5	7.8
3.5	7.6	7.9	8.1	8.4
3.6	7.7	8.0	8.3	8.5
3.8**	8.0	8.3	8.6	8.9
4.1	8.4	8.8	9.1	9.5
4.5	8.9	9.3	9.6	10.0
4.8	9.3	9.7	10.1	10.5
5.1	9.7	10.2	10.6	11.0
5.4	10.0	10.6	11.0	11.5

* Minimum operating weight

** Maximum takeoff weight

MQ-5B Hunter
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.5*	5.8	5.9	5.9	6.0
1.6	6.4	6.5	6.5	6.6
1.8	7.0	7.0	7.1	7.2
2.0	7.5	7.6	7.7	7.8
2.0	7.5	7.6	7.7	7.8
2.1**	8.1	8.2	8.3	8.4
2.3	8.6	8.7	8.9	9.0
2.4	9.1	9.3	9.4	9.6
2.6	9.7	9.8	10.0	10.1
2.8	10.2	10.4	10.5	10.7
2.9	10.7	10.9	11.1	11.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.5*	4.7	4.8	4.8	4.9
1.6	5.1	5.2	5.3	5.3
1.8	5.5	5.6	5.7	5.8
2.0	5.9	6.0	6.1	6.2
2.0	5.9	6.0	6.1	6.2
2.1**	6.3	6.4	6.5	6.6
2.3	6.7	6.8	6.9	7.0
2.4	7.0	7.2	7.3	7.4
2.6	7.4	7.5	7.7	7.8
2.8	7.7	7.9	8.0	8.2
2.9	8.1	8.3	8.4	8.6

* Minimum operating weight

** Maximum takeoff weight

**MQ-8 Fire Scout
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.0*	3.9	3.9	4.0	4.1
2.3	4.3	4.4	4.5	4.6
2.6	4.8	4.9	5.0	5.1
2.9	5.2	5.4	5.5	5.6
3.2	5.5	5.7	5.8	6.0
3.2**	5.5	5.7	5.8	6.0
3.5	6.0	6.2	6.4	6.6
3.8	6.4	6.7	6.9	7.1
4.1	6.8	7.1	7.3	7.5
4.4	7.1	7.4	7.7	8.0
4.7	7.5	7.8	8.1	8.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.0*	2.8	2.8	2.9	2.9
2.3	3.1	3.1	3.2	3.3
2.6	3.3	3.4	3.5	3.6
2.9	3.6	3.7	3.8	3.9
3.2	3.8	3.9	4.0	4.1
3.2**	3.8	3.9	4.0	4.1
3.5	4.0	4.2	4.3	4.4
3.8	4.3	4.4	4.5	4.7
4.1	4.5	4.6	4.8	4.9
4.4	4.7	4.9	5.0	5.2
4.7	4.9	5.1	5.2	5.4

* Minimum operating weight

** Maximum takeoff weight

MQ-9A Reaper
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	20.0	20.2	20.3	20.5
6.1	24.8	24.9	25.3	25.6
7.3	29.3	29.9	30.4	30.7
8.5	33.9	34.9	35.4	35.7
9.7	38.5	39.8	40.4	40.8
10.5**	41.7	43.0	43.6	44.1
10.9	43.4	44.8	45.4	45.9
12.1	48.2	49.8	50.4	50.9
13.3	53.0	54.7	55.4	56.0
14.5	57.9	59.7	60.4	61.0
15.8	62.7	64.6	65.5	66.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	18.9	19.1	19.2	19.4
6.1	23.5	23.8	24.0	24.3
7.3	28.2	28.6	28.9	29.1
8.5	32.9	33.4	33.7	34.0
9.7	37.7	38.2	38.5	38.9
10.5**	40.7	41.2	41.6	42.0
10.9	42.4	42.9	43.3	43.7
12.1	47.1	47.7	48.2	48.6
13.3	51.8	52.5	53.0	53.5
14.5	56.5	57.3	57.8	58.4
15.8	61.2	62.1	62.6	63.3

* Minimum operating weight

** Maximum takeoff weight

MV-22 Osprey
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.5*	45.5	52.6	57.6	64.1
39.9	54.6	63.6	70.1	79.5
46.2	63.7	74.9	83.2	95.7
52.6	73.0	86.6	97.7	112.8
59.0	82.5	98.7	112.9	133.3
60.5**	84.8	101.7	116.7	138.3
65.3	92.2	111.4	128.7	154.4
71.7	102.2	125.4	145.1	176.5
78.0	112.5	139.9	162.8	198.6
84.4	123.0	155.0	183.5	220.8
90.8	133.9	170.5	204.6	242.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
33.5*	54.6	60.5	64.9	69.7
39.9	68.0	75.3	80.5	86.0
46.2	82.1	90.6	96.6	102.7
52.6	96.8	106.5	113.1	119.9
59.0	112.0	122.8	130.1	137.4
60.5**	115.8	126.8	134.3	141.6
65.3	127.7	139.4	147.3	155.2
71.7	143.8	156.4	164.9	173.2
78.0	160.2	173.7	182.7	191.5
84.4	177.0	191.3	200.7	210.0
90.8	194.1	209.1	218.9	228.6

* Minimum operating weight

** Maximum takeoff weight

OC-135B Open Skies
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
126.4*	124.8	130.8	136.4	146.7
161.9	159.4	168.9	178.8	198.1
197.3	194.4	208.5	224.0	260.0
232.8	229.8	249.7	272.8	329.2
268.2	265.8	292.7	326.2	407.1
297.0**	295.7	329.2	378.2	483.2
303.7	302.7	337.9	390.1	501.8
339.1	340.4	385.9	456.9	610.3
374.6	379.2	436.9	529.3	727.9
410.0	419.2	491.4	613.3	850.9
445.5	460.5	559.2	706.8	974.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
126.4*	120.0	126.1	134.8	150.6
161.9	156.1	168.8	185.8	212.3
197.3	195.0	217.3	244.3	281.9
232.8	237.5	272.3	309.8	357.9
268.2	284.3	333.6	381.6	438.9
297.0**	326.1	387.6	443.7	507.6
303.7	336.2	400.6	458.7	524.1
339.1	393.2	473.0	540.0	613.5
374.6	455.4	549.9	625.6	706.3
410.0	522.3	631.2	714.5	801.5
445.5	593.8	716.2	806.3	900.2

* Minimum operating weight

** Maximum takeoff weight

OH-58A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.5*	3.0	3.1	3.1	3.1
1.9	3.5	3.6	3.7	3.7
2.2	4.1	4.2	4.2	4.3
2.5	4.5	4.7	4.8	4.9
2.9	5.0	5.2	5.3	5.4
3.0**	5.2	5.4	5.5	5.7
3.2	5.4	5.6	5.8	5.9
3.5	5.8	6.1	6.3	6.5
3.8	6.2	6.5	6.7	6.9
4.2	6.6	6.9	7.2	7.4
4.5	7.0	7.3	7.6	7.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
1.5*	2.2	2.2	2.3	2.3
1.9	2.5	2.6	2.6	2.7
2.2	2.8	2.9	2.9	3.0
2.5	3.1	3.2	3.2	3.3
2.9	3.4	3.5	3.5	3.6
3.0**	3.5	3.6	3.7	3.8
3.2	3.6	3.7	3.8	3.9
3.5	3.8	4.0	4.1	4.2
3.8	4.1	4.2	4.3	4.5
4.2	4.3	4.4	4.6	4.8
4.5	4.5	4.7	4.8	5.0

* Minimum operating weight

** Maximum takeoff weight

OV-1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.0*	24.6	25.8	28.4	30.0
10.1	29.3	33.1	36.0	38.0
12.2	33.5	40.3	43.6	45.9
14.3	38.1	47.3	51.1	53.8
16.4	44.2	54.3	58.6	61.6
18.0**	48.5	59.4	64.1	67.4
18.6	50.1	61.2	66.0	69.5
20.7	55.9	68.1	73.5	77.3
22.8	61.6	75.0	80.9	85.1
24.9	67.2	81.8	88.2	92.9
27.0	72.9	88.6	95.6	100.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.0*	20.1	21.6	22.6	23.8
10.1	25.8	27.7	29.1	30.6
12.2	31.5	33.9	35.6	37.4
14.3	37.3	40.2	42.1	44.2
16.4	43.1	46.4	48.7	50.9
18.0**	47.3	51.0	53.5	55.9
18.6	48.9	52.6	55.2	57.7
20.7	54.7	58.9	61.7	64.4
22.8	60.5	65.1	68.2	71.2
24.9	66.3	71.4	74.7	77.9
27.0	72.1	77.6	81.2	84.8

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - High Pressure
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.0*	142.2	150.6	160.3	177.2
84.6	179.2	192.5	208.2	236.7
101.2	217.5	237.6	260.9	300.8
117.8	257.3	285.6	319.9	369.3
134.4	299.4	337.2	385.3	442.6
145.0**	327.5	371.6	426.8	489.9
151.1	344.0	391.9	451.9	517.1
167.7	390.6	457.2	524.5	591.6
184.3	439.3	524.3	599.3	664.8
200.9	490.6	593.4	675.0	737.8
217.5	544.4	668.3	750.8	810.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.0*	179.5	189.3	196.6	204.3
84.6	233.6	245.7	254.1	263.2
101.2	290.0	304.0	313.7	323.7
117.8	348.6	364.2	375.0	385.9
134.4	408.8	425.8	437.5	449.2
145.0**	447.8	465.7	478.0	490.4
151.1	470.5	488.8	501.2	513.9
167.7	533.5	552.9	566.1	579.5
184.3	597.7	618.2	631.6	645.9
200.9	663.1	684.1	698.1	712.9
217.5	729.6	751.0	765.8	780.4

* Minimum operating weight

** Maximum takeoff weight

P-3C Orion - Low Pressure
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
76.1*	157.3	169.1	182.1	203.8
91.9	192.2	209.8	229.3	263.9
107.6	228.3	253.2	280.3	325.3
123.3	265.9	299.3	339.8	392.1
139.0	305.9	348.7	401.4	462.0
145.0**	321.9	368.4	425.2	489.0
154.7	348.0	402.7	466.2	532.3
170.4	391.8	465.0	535.2	602.5
186.1	437.5	528.3	605.8	671.4
201.8	485.5	594.9	677.1	740.2
217.5	535.9	665.7	748.5	809.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
76.1*	202.3	213.9	222.1	230.6
91.9	253.9	267.6	277.1	287.2
107.6	307.5	323.0	333.8	344.5
123.3	362.9	379.8	391.7	403.9
139.0	419.7	438.1	450.7	463.2
145.0**	441.9	460.8	473.7	486.6
154.7	477.8	497.5	510.7	524.2
170.4	537.0	558.0	571.9	586.1
186.1	597.3	619.2	633.5	648.6
201.8	658.6	680.8	696.1	711.6
217.5	720.9	743.8	759.3	775.2

* Minimum operating weight

** Maximum takeoff weight

P-3N Orion
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.0*	137.2	147.7	158.3	175.9
81.8	166.7	181.5	197.3	224.5
95.6	197.0	217.8	239.7	277.4
109.3	228.4	255.9	284.7	332.1
123.1	260.8	296.2	337.7	390.8
128.0**	272.8	311.2	357.0	412.3
136.9	295.3	339.1	391.7	451.9
150.7	331.3	384.5	447.6	513.4
164.4	368.8	438.4	507.4	574.9
178.2	407.6	493.6	568.6	635.7
192.0	447.9	549.0	630.8	695.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
68.0*	173.5	184.5	192.3	200.5
81.8	217.1	230.1	239.2	248.7
95.6	262.4	277.3	287.5	298.1
109.3	309.2	325.7	337.1	348.5
123.1	357.4	375.3	387.6	400.3
128.0**	374.7	393.2	405.7	418.5
136.9	406.6	425.9	439.0	452.0
150.7	456.9	477.5	491.1	505.1
164.4	508.1	529.6	544.1	558.7
178.2	560.2	582.7	597.5	613.1
192.0	612.9	636.5	651.7	667.7

* Minimum operating weight

** Maximum takeoff weight

P-8A Poseidon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
98.5*	212.6	219.7	230.3	251.7
118.9	258.7	270.0	287.7	316.4
139.3	306.1	323.5	348.9	388.8
159.8	354.7	379.9	412.5	465.2
180.2	404.7	439.2	480.9	547.2
188.2**	424.7	463.2	509.6	581.1
200.6	456.5	501.3	554.7	633.7
221.0	510.5	565.1	631.1	722.4
241.5	566.5	633.4	710.4	811.6
261.9	624.5	707.7	797.7	900.9
282.3	684.6	783.7	887.0	990.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
98.5*	262.8	275.1	284.3	294.3
118.9	328.8	343.3	354.4	365.9
139.3	397.0	414.1	426.5	439.8
159.8	467.5	486.6	500.2	514.6
180.2	539.9	560.9	575.8	591.3
188.2**	568.8	590.5	605.4	621.7
200.6	613.9	636.8	652.2	669.0
221.0	689.6	713.5	729.7	747.9
241.5	766.3	791.4	809.1	827.2
261.9	844.4	870.9	888.9	908.1
282.3	923.9	951.1	969.8	989.7

* Minimum operating weight

** Maximum takeoff weight

PC-7
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.4*	15.7	15.9	16.1	16.4
5.1	18	18.3	18.5	19.2
5.8	20.2	20.5	21	21.9
6.5	22.3	22.9	23.7	24.7
7.2	24.3	24.9	26.3	27.3
7.2**	24.3	24.9	26.3	27.3
7.9	26.5	27.5	29.1	30.1
8.7	28.3	30.1	31.7	32.8
9.4	30.3	32.7	34.4	35.5
10.1	32.2	35.3	37	38.2
10.8	34	37.8	39.7	40.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.4*	13.1	13.3	13.4	13.7
5.1	14.8	15.2	15.6	16.1
5.8	16.8	17.5	18	18.5
6.5	19	19.7	20.3	20.9
7.2	21.1	22	22.6	23.4
7.2**	21.1	22	22.6	23.4
7.9	23.3	24.3	25	25.8
8.7	25.4	26.5	27.4	28.2
9.4	27.6	28.8	29.7	30.6
10.1	29.8	31.1	32.1	33
10.8	32	33.4	34.4	35.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-37B which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Phantom FG MK1
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.0*	134.6	131.1	129.5	128.3
38.1	160.7	156.5	154.6	153.2
44.3	186.8	181.9	179.6	178.1
50.5	212.9	207.3	204.7	203.0
56.7	239.1	232.7	229.9	227.8
58.3**	246.3	239.7	236.8	234.7
62.8	265.3	258.2	255.0	252.7
69.0	291.5	283.6	280.2	277.6
75.2	317.7	309.1	305.3	302.5
81.3	343.9	334.6	330.5	327.4
87.5	370.1	360.1	355.6	352.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
32.0*	138.1	136.4	135.0	133.8
38.1	164.6	162.5	161.0	159.6
44.3	191.2	188.6	187.0	185.4
50.5	217.8	215.0	213.0	211.1
56.7	244.5	241.2	239.0	236.7
58.3**	251.7	248.3	246.1	243.8
62.8	271.0	267.4	265.0	262.7
69.0	297.5	293.7	290.9	288.2
75.2	324.0	319.9	316.9	314.0
81.3	350.6	346.1	342.9	339.8
87.5	377.2	372.3	368.9	365.6

* Minimum operating weight

** Maximum takeoff weight

Puma HC Mk1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.3*	21.8	22.6	24.3	28.2
15.9	25.7	27.1	30.5	35.6
18.5	29.6	32.5	37.2	44.5
21	33.4	38.2	44.1	53.3
23.6	37.4	44.6	51.7	62.1
24.3**	38.7	46.4	54.1	64.4
26.2	42.3	51.3	60.7	70.8
28.7	47.4	58.2	69.6	79.6
31.3	52.7	65.2	78.5	88.3
33.9	58.9	73.9	87.4	97.1
36.5	65.2	83.1	96.3	105.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.3*	24.5	26.2	27.6	29.1
15.9	30.7	32.8	34.4	36.1
18.5	37.1	39.5	41.4	43.4
21	43.7	46.5	48.6	50.7
23.6	50.6	53.7	55.9	58.2
24.3**	52.4	55.6	57.9	60.2
26.2	57.6	61	63.3	65.8
28.7	64.8	68.4	70.9	73.4
31.3	72.1	75.9	78.5	81.2
33.9	79.6	83.6	86.3	89
36.5	87.1	91.3	94.1	97

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from UH-46 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

RC-26B Metroliner
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.5*	17.2	17.8	18.5	20.7
11.2	19.8	20.7	22.1	25.2
12.9	22.4	23.4	26.2	30.5
14.6	24.8	26.5	30.4	36.1
16.3	27.2	30.2	34.7	41.8
16.5**	27.5	30.7	35.3	42.6
18.0	29.5	34.1	39.4	48.0
19.7	31.7	38.0	44.8	54.9
21.4	33.9	42.1	50.3	61.7
23.1	36.0	46.2	55.9	68.6
24.8	39.1	50.6	61.6	75.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.5*	15.7	17.3	18.7	20.4
11.2	19.4	21.5	23.3	25.3
12.9	23.3	26.0	28.1	30.4
14.6	27.5	30.6	33.0	35.6
16.3	31.9	35.4	38.1	41.0
16.5**	32.4	36.1	38.8	41.7
18.0	36.4	40.4	43.3	46.4
19.7	41.0	45.4	48.6	51.9
21.4	45.8	50.6	53.9	57.4
23.1	50.7	55.8	59.3	63.0
24.8	55.7	61.1	64.8	68.7

* Minimum operating weight

** Maximum takeoff weight

RC-135M
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
130.1*	128.4	134.8	140.7	151.8
165.9	163.4	173.4	183.8	204.4
201.7	198.8	213.5	229.9	268.2
237.5	234.6	255.4	279.8	339.2
273.3	271.1	299.2	334.4	420.2
301.6**	300.5	335.3	386.5	496.1
309.2	308.5	345.2	400.2	517.5
345.0	346.8	394.1	468.5	629.0
380.8	386.2	446.2	542.6	749.5
416.6	426.8	508.8	630.2	873.8
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
130.1*	123.7	130.4	139.8	156.7
165.9	160.4	174.1	192.1	219.8
201.7	200.1	223.8	252.2	291.1
237.5	243.6	280.3	319.3	368.6
273.3	291.6	343.0	392.5	450.6
301.6**	333.1	396.6	454.2	519.0
309.2	344.8	411.6	471.0	537.8
345.0	403.2	485.4	553.9	628.7
380.8	466.8	563.9	641.0	722.6
416.6	535.2	646.8	731.4	819.9
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

RC-135S Cobra Ball
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
141.6*	139.6	147.1	154.3	168.0
176.1	173.5	184.7	196.7	220.8
210.7	207.7	223.8	241.9	285.2
245.2	242.4	264.6	291.1	355.4
279.7	277.8	307.2	344.7	436.9
301.6**	300.6	335.3	386.5	496.2
314.3	313.9	352.0	409.6	532.3
348.8	351.0	399.6	476.2	641.4
383.3	389.1	450.1	547.9	758.4
417.9	428.3	511.1	633.6	878.3
452.4	468.8	571.8	726.1	998.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
141.6*	135.3	143.8	155.8	176.2
176.1	171.4	187.7	208.5	239.4
210.7	210.6	237.3	268.4	310.0
245.2	253.5	293.1	334.5	385.8
279.7	300.7	354.8	406.2	465.9
301.6**	333.2	396.7	454.3	519.1
314.3	352.8	421.8	482.5	550.6
348.8	409.8	493.9	563.1	638.8
383.3	471.6	569.8	647.4	729.7
417.9	537.8	649.9	734.7	823.5
452.4	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RC-135U Combat Sent
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
150.6*	148.4	156.7	165.1	181.1
184.1	181.4	193.6	206.9	234.1
217.7	214.7	232.0	251.6	298.9
251.2	248.5	271.9	300.1	368.4
284.7	282.9	313.6	352.9	450.1
301.6**	300.6	335.3	386.5	496.2
318.3	318.2	357.4	417.1	543.9
351.8	354.2	403.8	482.3	651.1
385.3	391.3	453.2	552.6	765.4
418.9	429.5	512.8	636.2	881.8
452.4	468.8	571.8	726.1	998.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
150.6*	144.4	154.7	168.9	191.9
184.1	180.2	198.6	221.7	255.2
217.7	218.9	248.1	281.2	325.0
251.2	261.4	303.4	346.5	399.5
284.7	308.0	364.2	417.0	478.0
301.6**	333.2	396.7	454.3	519.1
318.3	359.1	429.9	491.6	560.8
351.8	415.0	500.3	570.3	646.5
385.3	475.3	574.3	652.4	735.1
418.9	539.8	652.2	737.3	825.9
452.4	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

**RC-135V Rivet Joint
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.0*	170.4	181.2	192.7	215.7
204.0	201.1	216.2	233.0	272.6
235.1	232.2	252.5	276.2	334.1
266.1	263.7	290.2	323.0	401.9
297.2	295.9	329.5	378.6	483.8
301.6**	300.5	335.3	386.5	496.1
328.2	328.8	370.9	435.9	574.9
359.3	362.4	414.5	497.5	675.9
390.3	396.9	460.7	564.5	782.6
421.4	432.3	517.0	642.6	890.3
452.4	468.8	571.7	726.1	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.0*	168.0	183.5	203.4	233.3
204.0	202.8	227.3	256.3	296.0
235.1	240.5	276.2	314.5	363.1
266.1	281.5	329.9	377.3	433.7
297.2	326.4	388.0	444.2	508.2
301.6**	333.1	396.7	454.2	519.1
328.2	375.2	450.3	514.5	585.8
359.3	428.0	516.3	588.3	665.9
390.3	484.6	585.6	664.8	748.4
421.4	544.7	658.1	743.6	832.7
452.4	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RC-135W Rivet Joint
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.0*	170.4	181.2	192.7	215.8
204.0	201.1	216.2	233.0	272.6
235.1	232.2	252.5	276.2	334.1
266.1	263.7	290.2	323.0	401.9
297.2	295.9	329.6	378.6	483.9
301.6**	300.6	335.3	386.5	496.2
328.2	328.8	370.9	435.9	575.0
359.3	362.4	414.6	497.5	675.9
390.3	396.9	460.8	564.6	782.6
421.4	432.4	517.0	642.6	890.4
452.4	468.8	571.8	726.1	998.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
173.0*	168.0	183.5	203.4	233.3
204.0	202.8	227.3	256.4	296.0
235.1	240.5	276.2	314.6	363.2
266.1	281.5	330.0	377.3	433.8
297.2	326.5	388.0	444.2	508.2
301.6**	333.2	396.7	454.3	519.1
328.2	375.2	450.3	514.6	585.8
359.3	428.1	516.3	588.3	665.9
390.3	484.6	585.7	664.9	748.5
421.4	544.8	658.2	743.7	832.8
452.4	608.4	733.3	824.7	919.8

* Minimum operating weight

** Maximum takeoff weight

RQ-4A Global Hawk BLK 10
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.9*	23.8	24.2	25.3	27.4
15.0	30.0	31.1	33.1	37.0
18.2	36.2	38.5	41.4	47.7
21.3	43.0	46.3	50.5	59.6
24.4	50.0	54.4	61.0	72.3
26.8**	55.3	60.5	68.9	81.7
27.6	57.2	62.8	71.8	85.1
30.7	64.7	72.3	83.5	97.8
33.9	72.4	82.9	96.7	110.6
37.0	80.4	93.9	109.8	123.4
40.1	88.7	105.1	122.8	136.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.9*	27.8	29.0	30.1	31.3
15.0	36.7	38.5	39.8	41.4
18.2	46.2	48.3	50.0	51.8
21.3	56.0	58.5	60.4	62.5
24.4	66.2	69.1	71.1	73.4
26.8**	73.9	76.9	79.1	81.5
27.6	76.7	79.8	82.1	84.5
30.7	87.4	90.8	93.2	95.7
33.9	98.3	101.9	104.4	107.1
37.0	109.5	113.2	115.9	118.6
40.1	120.8	124.7	127.5	130.3

* Minimum operating weight

** Maximum takeoff weight

RQ-4B Global Hawk BLK 20
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
15.3*	66.2	64.5	63.7	63.2
19.0	82.1	80.0	79.0	78.3
22.7	98.0	95.5	94.3	93.5
26.3	113.9	111.0	109.7	108.7
30.0	129.9	126.5	125.0	123.9
32.3**	139.6	136.0	134.4	133.2
33.7	145.8	142.1	140.4	139.1
37.4	161.8	157.6	155.7	154.3
41.0	177.8	173.2	171.1	169.6
44.7	193.8	188.7	186.4	184.8
48.4	209.8	204.3	201.8	200.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
15.3*	68.2	67.4	66.7	66.1
19.0	84.5	83.4	82.7	81.9
22.7	100.7	99.5	98.5	97.6
26.3	117.0	115.5	114.4	113.4
30.0	133.2	131.6	130.3	129.2
32.3**	143.2	141.3	140.0	138.8
33.7	149.5	147.6	146.2	145.0
37.4	165.7	163.6	162.1	160.7
41.0	182.0	179.7	178.0	176.5
44.7	198.2	195.6	193.9	192.2
48.4	214.5	211.7	209.9	208.1

* Minimum operating weight

** Maximum takeoff weight

RQ-7A/B Shadow 200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
0.4*	1.2	1.2	1.3	1.3
0.4	1.2	1.2	1.3	1.3
0.4	1.2	1.2	1.3	1.3
0.4	1.2	1.2	1.3	1.3
0.4	1.2	1.2	1.3	1.3
0.4**	1.2	1.2	1.3	1.3
0.5	1.6	1.6	1.6	1.6
0.5	1.6	1.6	1.6	1.6
0.5	1.6	1.6	1.6	1.6
0.5	1.6	1.6	1.6	1.6
0.6	1.8	1.8	1.8	1.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
0.4*	1.0	1.0	1.0	1.1
0.4	1.0	1.0	1.0	1.1
0.4	1.0	1.0	1.0	1.1
0.4	1.0	1.0	1.0	1.1
0.4	1.0	1.0	1.0	1.1
0.4**	1.0	1.0	1.0	1.1
0.5	1.2	1.3	1.3	1.3
0.5	1.2	1.3	1.3	1.3
0.5	1.2	1.3	1.3	1.3
0.5	1.2	1.3	1.3	1.3
0.6	1.4	1.4	1.4	1.5

* Minimum operating weight

** Maximum takeoff weight

S3-B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.9*	103.9	102.7	102.2	101.8
32.6	126.2	124.8	124.2	123.7
38.4	148.5	146.9	146.1	145.6
44.2	170.8	169.0	168.1	167.5
49.9	193.2	191.0	190.1	189.4
52.5**	203.2	200.9	199.9	199.2
55.7	215.6	213.1	212.0	211.3
61.5	237.9	235.2	234.0	233.2
67.2	260.3	257.3	256.0	255.1
73.0	282.7	279.4	278.0	277.0
78.8	305.0	301.5	300.0	298.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
26.9*	105.0	104.4	104.0	103.6
32.6	127.5	126.8	126.3	125.8
38.4	150.0	149.1	148.5	148.1
44.2	172.4	171.4	170.8	170.3
49.9	194.9	193.8	193.1	192.4
52.5**	204.9	203.9	203.1	202.3
55.7	217.4	216.2	215.4	214.4
61.5	239.9	238.6	237.8	236.8
67.2	262.4	260.9	260.1	259.1
73.0	284.8	283.3	282.3	281.4
78.8	307.3	305.6	304.6	303.4

* Minimum operating weight

** Maximum takeoff weight

Sabreliner, N265
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	39.6	41.2	41.9	42.3
12	47.7	49.5	50.3	50.8
14	55.8	57.8	58.6	59.3
16	63.8	66	67	67.7
18	71.8	74.3	75.4	76.2
18.7**	74.5	77.1	78.2	79.1
20	79.7	82.5	83.8	84.7
22	87.7	90.8	92.1	93.1
24	95.7	99	100.5	101.6
26	103.6	107.2	108.8	110
28.1	111.6	115.5	117.2	118.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10*	38.7	39.2	39.6	40.1
12	46.5	47.2	47.7	48.2
14	54.3	55.1	55.7	56.3
16	62.1	63.2	63.8	64.5
18	70	71.1	71.8	72.6
18.7**	72.7	73.8	74.6	75.3
20	77.9	79.1	79.9	80.8
22	85.7	87	87.9	88.8
24	93.5	95	96	97
26	101.4	103	104	105.1
28.1	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Sea Harrier, FA2/FRS Mk1
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.9*	30.5	34.4	38.5	43.4
18.5	36.1	44	49.7	56.6
22.2	43.6	54.1	61.7	73.1
25.9	51.4	64.7	74.3	90.6
29.6	59.6	75.9	88.5	110.1
32**	65.1	83.5	99.7	122.9
33.3	68.1	87.5	105.6	129.6
37	77	99.6	123.2	149
40.6	86.1	114.1	142.6	168.4
44.3	96	131.1	162.3	187.9
48	106.1	148.5	181.9	207.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
14.9*	34.2	38.4	41.7	45.1
18.5	45.6	51.2	55.2	59.2
22.2	57.8	64.6	69.2	73.6
25.9	70.7	78.5	83.6	88.3
29.6	84.2	92.8	98.2	103
32**	93.2	102.3	107.8	112.9
33.3	98	107.3	113	118.1
37	112.2	122.1	128	133.3
40.6	126.7	137.1	143.1	148.6
44.3	141.5	152.2	158.4	164.2
48	156.4	167.5	173.9	179.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from AV-8 Harrier which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Sentry AEW MK1
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
180.7*	191.8	200.2	213.1	246.1
216.4	230.7	244.2	266.3	318.3
252.1	270.4	290.5	325.3	406.4
287.8	311.2	340.8	390.8	507.4
323.5	353.2	394.8	463.0	627.7
334.7**	366.7	412.5	489.1	666.6
359.2	396.6	453.0	548.9	753.4
394.9	441.6	515.9	642.2	880.1
430.6	489.2	583.1	748.7	1007.5
466.3	539.0	659.9	869.5	1136.8
502.1	591.2	745.7	997.2	1267.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
180.7*	196.2	217.1	241.6	274.9
216.4	244.5	277.9	312.1	355.1
252.1	298.2	345.5	389.2	440.5
287.8	357.9	419.0	471.7	530.8
323.5	423.1	498.2	558.9	625.0
334.7**	444.7	523.7	587.1	655.3
359.2	493.8	581.8	650.0	722.5
394.9	569.5	669.9	744.9	823.3
430.6	649.7	761.5	842.5	927.2
466.3	734.3	856.2	943.4	1033.3
502.1	822.5	954.1	1047.1	1141.9

* Minimum operating weight

** Maximum takeoff weight

Shorts Sherpa, SHD3
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	47.5	57.8	62.2	65.3
19.6	53.6	64.9	69.9	73.4
21.7	59.6	72.1	77.5	81.4
23.9	65.5	79.1	85.1	89.5
24.6	67.4	81.4	87.6	92.1
26.1**	71.4	86.2	92.7	97.5
28.2	77.2	93.2	100.3	105.5
30.4	83	100.2	107.9	113.5
32.6	88.8	107.2	115.5	121.5
34.7	94.5	114.2	123	129.5
36.9	100.2	121.2	130.6	137.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
17.4*	46.2	49.7	52	54.3
19.6	52.2	56.1	58.7	61.3
21.7	58.2	62.6	65.5	68.3
23.9	64.3	69.1	72.2	75.2
24.6	66.2	71.2	74.4	77.5
26.1**	70.3	75.6	78.9	82.3
28.2	76.3	82	85.6	89.2
30.4	82.4	88.5	92.4	96.2
32.6	88.4	94.9	99.1	103.1
34.7	94.4	101.4	105.8	110.1
36.9	100.5	107.8	112.5	117.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-23 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Space Shuttle Orbiter
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.0*	404.1	414.8	443.8	488.2
206.3	444.3	459.6	494.6	549.1
223.7	485.1	507.6	546.6	611.1
230.0	500.2	525.3	565.8	633.6
241.0	526.7	556.4	599.8	673.5
258.3**	569.2	606.3	654.4	738.9
275.7	612.5	657.3	714.5	804.8
293.0	656.7	709.4	776.2	872.7
310.3	701.9	762.5	839.0	941.4
327.7	749.3	816.4	901.7	1010.4
345.0	798.7	871.3	967.3	1079.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
189.0*	524.8	538.8	549.6	561.6
206.3	581.7	596.9	608.0	621.1
223.7	639.7	655.5	667.3	680.8
230.0	661.1	677.1	689.2	702.8
241.0	698.6	715.0	727.3	741.1
258.3**	757.8	775.2	788.1	802.3
275.7	818.1	836.3	849.1	864.0
293.0	879.0	897.4	911.0	926.1
310.3	940.8	959.5	973.4	989.0
327.7	1002.7	1022.1	1036.3	1051.9
345.0	1065.5	1085.3	1099.6	1115.1

* Minimum operating weight

** Maximum takeoff weight

T-1A Jayhawk
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.0*	36.5	40.3	41.9	43.0
12.5	41.6	45.7	47.5	48.7
13.9	46.6	51.1	53.1	54.4
15.4	51.6	56.5	58.6	60.1
16.1	54.1	59.1	61.3	62.9
16.8**	56.6	61.9	64.2	65.8
18.3	61.5	67.2	69.7	71.5
19.8	66.5	72.5	75.2	77.2
21.2	71.4	77.9	80.8	82.8
22.7	76.3	83.2	86.3	88.5
24.2	81.1	88.5	91.8	94.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
11.0*	35.0	36.3	37.2	38.2
12.5	39.8	41.3	42.3	43.4
13.9	44.6	46.3	47.4	48.6
15.4	49.4	51.3	52.5	53.8
16.1	51.7	53.7	55.0	56.3
16.8**	54.2	56.2	57.6	59.0
18.3	59.0	61.2	62.7	64.2
19.8	63.8	66.2	67.8	69.4
21.2	68.5	71.2	72.9	74.6
22.7	73.3	76.2	78.0	79.8
24.2	78.1	81.1	83.1	85.1

* Minimum operating weight

** Maximum takeoff weight

T-2C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.0*	32.0	32.9	33.5	33.9
9.6	37.9	39.4	40.0	40.5
11.1	44.2	45.9	46.6	47.1
12.7	50.5	52.4	53.2	53.7
14.3	56.8	58.8	59.7	60.4
14.7**	58.7	60.8	61.7	62.3
15.8	63.0	65.3	66.3	67.0
17.4	69.3	71.7	72.8	73.6
19.0	75.5	78.2	79.4	80.2
20.5	81.8	84.6	85.9	86.8
22.1	88.0	91.1	92.4	93.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.0*	30.8	31.3	31.6	32.0
9.6	37.0	37.5	37.9	38.4
11.1	43.1	43.7	44.2	44.7
12.7	49.2	49.9	50.5	51.0
14.3	55.3	56.2	56.8	57.4
14.7**	57.1	58.0	58.6	59.3
15.8	61.4	62.4	63.1	63.8
17.4	67.6	68.6	69.3	70.1
19.0	73.7	74.9	75.6	76.4
20.5	79.9	81.1	81.9	82.8
22.1	86.0	87.3	88.2	89.1

* Minimum operating weight

** Maximum takeoff weight

T-6A Texan II
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.0*	19.6	19.6	19.6	19.6
5.5	21.8	21.7	21.7	21.7
6.0	23.9	23.9	23.8	23.8
6.5	25.8	25.8	25.7	25.7
6.6	26.0	26.0	25.9	25.9
7.1**	28.1	28.1	28.0	28.0
7.6	30.3	30.2	30.2	30.1
8.2	32.4	32.3	32.3	32.2
8.7	34.5	34.4	34.4	34.3
9.2	36.7	36.5	36.5	36.4
9.8	38.8	38.7	38.6	38.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.0*	19.8	19.8	19.7	19.7
5.5	21.9	21.9	21.9	21.9
6.0	24.0	24.0	24.0	24.0
6.5	26.0	25.9	25.9	25.9
6.6	26.2	26.1	26.1	26.1
7.1**	28.3	28.3	28.2	28.2
7.6	30.4	30.4	30.3	30.3
8.2	32.6	32.5	32.5	32.4
8.7	34.7	34.6	34.6	34.6
9.2	36.8	36.7	36.7	36.7
9.8	38.9	38.9	38.8	38.8

* Minimum operating weight

** Maximum takeoff weight

T-34C
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.2*	8.0	8.2	8.3	8.5
2.7	9.4	9.7	9.9	10.1
3.1	10.8	11.1	11.3	11.6
3.6	12.0	12.4	12.8	13.1
4.1	13.2	13.7	14.1	14.5
4.3**	13.7	14.3	14.7	15.2
4.6	14.3	15.0	15.4	16.2
5.0	15.4	16.1	16.7	18.1
5.5	16.4	17.3	17.9	20.0
6.0	17.4	18.4	19.1	21.8
6.5	18.3	19.4	20.6	23.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
2.2*	6.0	6.1	6.2	6.3
2.7	6.9	7.1	7.2	7.4
3.1	7.7	8.0	8.1	8.4
3.6	8.5	8.8	9.1	9.3
4.1	9.3	9.7	9.9	10.3
4.3**	9.6	10.0	10.3	10.7
4.6	10.0	10.5	10.8	11.2
5.0	10.7	11.2	11.6	12.0
5.5	11.4	12.0	12.4	12.9
6.0	12.1	12.7	13.2	14.0
6.5	12.7	13.4	13.9	15.4

* Minimum operating weight

** Maximum takeoff weight

T-37B Tweet
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.4*	15.7	15.9	16.1	16.4
5.1	18.0	18.3	18.5	19.2
5.8	20.2	20.5	21.0	21.9
6.5	22.3	22.9	23.7	24.7
7.2	24.3	24.9	26.3	27.3
7.2**	24.3	24.9	26.3	27.3
7.9	26.5	27.5	29.1	30.1
8.7	28.3	30.1	31.7	32.8
9.4	30.3	32.7	34.4	35.5
10.1	32.2	35.3	37.0	38.2
10.8	34.0	37.8	39.7	40.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.4*	13.1	13.3	13.4	13.7
5.1	14.8	15.2	15.6	16.1
5.8	16.8	17.5	18.0	18.5
6.5	19.0	19.7	20.3	20.9
7.2	21.0	21.9	22.5	23.2
7.2**	21.0	21.9	22.5	23.2
7.9	23.3	24.3	25.0	25.8
8.7	25.4	26.5	27.4	28.2
9.4	27.6	28.8	29.7	30.6
10.1	29.8	31.1	32.1	33.0
10.8	32.0	33.4	34.4	35.5

* Minimum operating weight

** Maximum takeoff weight

T-38 A/C Talon
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	34.9	34.1	33.8	33.6
9.6	40.4	39.6	39.2	38.9
11.0	45.9	45.0	44.6	44.3
12.3	51.4	50.4	49.9	49.6
13.5	56.4	55.3	54.8	54.5
13.6**	56.9	55.8	55.3	55.0
14.9	62.4	61.2	60.7	60.3
16.3	68.0	66.7	66.1	65.7
17.6	73.5	72.1	71.5	71.1
18.9	79.0	77.6	76.9	76.4
20.3	84.6	83.0	82.3	81.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
8.3*	35.6	35.3	35.1	34.9
9.6	41.2	40.9	40.6	40.3
11.0	46.8	46.5	46.2	45.8
12.3	52.5	52.1	51.7	51.3
13.5	57.6	57.1	56.7	56.3
13.6**	58.1	57.6	57.2	56.8
14.9	63.7	63.2	62.8	62.3
16.3	69.4	68.8	68.3	67.8
17.6	75.0	74.3	73.8	73.3
18.9	80.6	79.9	79.4	78.9
20.3	86.3	85.5	84.9	84.3

* Minimum operating weight

** Maximum takeoff weight

T-39A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.0*	39.6	41.2	41.9	42.3
12.0	47.7	49.5	50.3	50.8
14.0	55.8	57.8	58.6	59.3
16.0	63.8	66.0	67.0	67.7
18.0	71.8	74.3	75.4	76.2
18.7**	74.5	77.1	78.2	79.1
20.0	79.7	82.5	83.8	84.7
22.0	87.7	90.8	92.1	93.1
24.0	95.7	99.0	100.5	101.6
26.0	103.6	107.2	108.8	110.0
28.1	111.6	115.5	117.2	118.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
10.0*	38.7	39.2	39.6	40.1
12.0	46.5	47.2	47.7	48.2
14.0	54.3	55.1	55.7	56.3
16.0	62.1	63.2	63.8	64.5
18.0	70.0	71.1	71.8	72.6
18.7**	72.7	73.8	74.6	75.3
20.0	77.9	79.1	79.9	80.8
22.0	85.7	87.0	87.9	88.8
24.0	93.5	95.0	96.0	97.0
26.0	101.4	103.0	104.0	105.1
28.1	109.2	110.9	112.1	113.2

* Minimum operating weight

** Maximum takeoff weight

T-43A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
60.5*	115.8	122.1	127.9	136.5
72.9	139.9	148.9	157.1	170.1
85.4	164.4	176.4	187.4	207.2
97.8	189.2	204.7	219.3	247.7
110.3	214.6	233.8	252.7	288.9
115.0**	224.3	245.1	265.9	304.7
122.7	240.4	263.8	289.2	331.0
135.2	266.8	294.9	329.0	374.8
147.6	293.7	327.2	370.1	422.8
160.1	321.2	360.6	411.5	472.4
172.5	349.3	398.1	453.7	525.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
60.5*	134.9	144.1	151.0	158.7
72.9	168.7	180.1	188.5	197.6
85.4	203.9	217.4	227.2	237.5
97.8	240.4	255.9	267.1	278.7
110.3	278.0	295.4	307.6	320.3
115.0**	292.5	310.6	323.4	336.3
122.7	316.8	335.8	349.2	362.7
135.2	356.3	377.0	391.4	406.2
147.6	396.7	419.0	434.2	449.5
160.1	437.8	461.5	477.7	493.9
172.5	479.7	504.8	521.6	538.9

* Minimum operating weight

** Maximum takeoff weight

T-44A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.3*	17.6	18.7	19.6	22.7
7.2	19.2	20.6	22.8	26.1
8.1	20.7	22.3	25.9	29.4
9.0	22.0	23.9	29.0	32.7
9.6	22.9	24.9	31.0	34.9
9.9**	23.3	25.6	32.0	36.0
10.8	24.4	28.4	35.0	39.2
11.7	25.5	31.1	37.9	42.5
12.6	26.5	33.7	40.8	45.7
13.5	27.4	36.2	43.7	48.9
14.4	28.3	38.7	46.6	52.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.3*	12.1	12.7	13.3	14.3
7.2	13.1	13.9	15.0	16.9
8.1	14.1	15.4	17.4	19.5
9.0	15.0	17.5	19.8	22.1
9.6	15.6	19.0	21.4	23.8
9.9**	16.2	19.7	22.2	24.7
10.8	18.0	21.9	24.6	27.3
11.7	19.8	24.0	27.0	29.9
12.6	21.6	26.2	29.4	32.4
13.5	23.5	28.4	31.8	35.0
14.4	25.3	30.6	34.2	37.6

* Minimum operating weight

** Maximum takeoff weight

T-45A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.4*	33.4	36.3	37.8	38.8
10.8	37.8	41.7	43.3	44.5
12.1	42.8	47.0	48.8	50.1
13.5	47.8	52.4	54.4	55.8
14.5	51.4	56.2	58.3	59.8
14.9**	52.7	57.7	59.9	61.4
16.3	57.7	63.0	65.4	67.0
17.6	62.6	68.3	70.9	72.7
19.0	67.4	73.6	76.3	78.3
20.4	72.3	78.9	81.8	83.9
21.8	77.2	84.2	87.3	89.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
9.4*	31.5	32.6	33.5	34.3
10.8	36.2	37.6	38.5	39.5
12.1	41.0	42.5	43.5	44.6
13.5	45.7	47.4	48.6	49.8
14.5	49.1	51.0	52.2	53.5
14.9**	50.4	52.4	53.7	55.0
16.3	55.2	57.3	58.7	60.2
17.6	60.0	62.3	63.8	65.3
19.0	64.7	67.2	68.8	70.4
20.4	69.5	72.1	73.9	75.6
21.8	74.2	77.1	78.9	80.8

* Minimum operating weight

** Maximum takeoff weight

Tornado GR MK1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.3*	140.8	136.8	134.9	133.6
37.4	174.2	169.1	166.8	165.2
44.5	207.6	201.5	198.7	196.8
51.7	241.0	233.9	230.7	228.4
58.8	274.4	266.3	262.6	260.0
63.0**	294.0	285.2	281.3	278.5
65.9	307.9	298.7	294.6	291.6
73.1	341.4	331.1	326.6	323.2
80.2	374.9	363.6	358.6	354.9
87.3	408.4	396.1	390.5	386.5
94.4	441.9	428.5	422.6	418.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
30.3*	145.0	142.9	141.4	140.0
37.4	179.0	176.4	174.6	172.9
44.5	213.0	209.8	207.7	205.6
51.7	247.1	243.4	240.9	238.5
58.8	281.1	277.0	274.1	271.5
63.0**	301.0	296.5	293.5	290.5
65.9	315.2	310.5	307.3	304.2
73.1	349.1	344.0	340.5	337.0
80.2	383.1	377.5	373.7	369.9
87.3	417.1	411.1	406.9	402.8
94.4	451.1	444.5	440.1	435.7

* Minimum operating weight

** Maximum takeoff weight

**Tornado GR MK2-F MK3
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.3*	144.1	140.7	139.2	138.0
37.6	173.2	169.0	167.1	165.8
43.9	202.2	197.3	195.1	193.6
50.2	231.3	225.7	223.1	221.3
56.5	260.3	254.0	251.1	249.1
58.6**	270.1	263.5	260.6	258.5
62.8	289.4	282.3	279.2	276.9
69.0	318.5	310.7	307.2	304.7
75.3	347.7	339.1	335.2	332.5
81.6	376.8	367.5	363.3	360.3
87.9	405.9	395.8	391.3	388.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
31.3*	147.5	145.7	144.5	143.3
37.6	176.9	174.8	173.4	172.0
43.9	206.3	203.9	202.2	200.6
50.2	235.9	233.2	231.1	229.1
56.5	265.4	262.2	260.1	257.9
58.6**	275.3	272.0	269.7	267.7
62.8	294.8	291.4	288.9	286.4
69.0	324.2	320.5	317.8	315.1
75.3	353.7	349.6	346.7	343.8
81.6	383.1	378.7	375.6	372.4
87.9	412.6	407.7	404.5	401.5

* Minimum operating weight

** Maximum takeoff weight

Tristar K MK1-KC MK1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
241.3*	253.8	256.2	262.3	281.1
304.7	320.2	326.0	338.8	378.6
368.2	387.3	398.0	422.1	492.0
431.6	455.2	473.2	513.4	622.5
495.1	523.9	552.6	616.3	773.7
541.5**	575.0	614.0	697.9	897.2
558.5	593.9	637.2	729.1	943.8
622.0	665.4	727.2	853.3	1129.4
685.4	738.7	826.3	989.1	1327.6
748.8	814.3	931.9	1144.7	1532.8
812.3	893.1	1045.0	1312.1	1753.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
241.3*	244.6	259.5	280.3	313.4
304.7	317.1	347.3	383.1	433.2
368.2	397.5	446.7	498.5	565.4
431.6	486.4	557.4	625.2	707.3
495.1	584.1	678.1	761.8	858.0
541.5**	661.9	772.3	866.7	972.7
558.5	691.6	808.6	906.2	1015.7
622.0	807.1	946.7	1058.4	1179.2
685.4	931.7	1092.7	1216.5	1348.6
748.8	1063.5	1245.0	1380.4	1523.0
812.3	1202.9	1403.1	1549.6	1701.3

* Minimum operating weight

** Maximum takeoff weight

Tristart L1011-1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
240*	243.3	248.9	256.4	275.7
285.3	288.8	297.4	309.3	342.2
330.7	334.5	346.7	365.2	417.6
376	380.5	397.3	425.1	500.8
421.3	427	449.5	489	592.8
432**	438	462.1	504.7	615.8
466.7	474	503.6	559	693.8
512	521.4	560.3	634	809.1
557.3	569.4	619.7	714.3	930.9
602.7	618.2	681.7	800.5	1060
648	667.9	748.1	892.6	1199.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
240*	231.7	247.1	268.4	302.1
285.3	280.1	306	338.2	384.5
330.7	332	371	414.8	473.6
376	388.1	441.8	497.6	568.8
421.3	448.6	518.6	586.6	669.1
432**	463.4	537.3	608.3	693.1
466.7	513.5	600.7	680.2	773
512	583.1	687.8	778.8	881.9
557.3	657.8	779.9	881.2	993.9
602.7	736.8	876	987.7	1109
648	820.4	975.9	1097.4	1227

* Minimum operating weight

** Maximum takeoff weight

Tristar L1011-100/200
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
244.7*	248	253.9	261.7	282.3
295.5	299	308.3	321.6	358
346.3	350.3	364	385.4	445.4
397.1	402.1	421.5	454.3	542.5
447.9	454.6	481	528.5	650.8
468**	475.4	505.2	561.1	697.1
498.7	507.5	543.5	611.5	774.7
549.6	561.2	609.3	700.2	909.6
600.4	615.7	678.5	796	1053.1
651.2	671.4	753	899.3	1209.5
702	728.3	832.3	1011.6	1371

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
244.7*	236.6	252.9	275.2	310.2
295.5	291.4	320.1	354.8	404.3
346.3	350.9	394.7	442.7	505.8
397.1	415.7	476.8	538.4	614.9
447.9	486.1	566	640.8	729.7
468**	515.5	603.2	683	776.2
498.7	562.6	662	749.7	849.8
549.6	644.7	763.4	863.3	974.3
600.4	732.7	870.8	982.2	1103.1
651.2	826.5	983.1	1105.3	1235.4
702	925.9	1100.2	1232.5	1371.2

* Minimum operating weight

** Maximum takeoff weight

Typhoon (Eurofighter)
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.6*	171.8	166.0	163.3	161.5
41.2	193.3	186.8	183.8	181.7
45.7	214.9	207.6	204.3	202.0
50.3	236.5	228.4	224.8	222.2
51.8	243.7	235.3	231.6	228.9
54.9**	258.2	249.3	245.3	242.5
59.4	279.8	270.1	265.8	262.7
64.0	301.4	291.0	286.4	283.0
68.6	323.1	311.9	306.9	303.3
73.1	344.7	332.8	327.4	323.5
77.7	366.4	353.7	348.0	343.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
36.6*	177.5	174.5	172.3	170.4
41.2	199.6	196.2	193.8	191.6
45.7	221.6	217.8	215.3	212.8
50.3	243.7	239.6	236.7	233.9
51.8	251.1	246.7	243.7	240.9
54.9**	265.8	261.3	258.2	255.2
59.4	287.9	283.0	279.6	276.3
64.0	310.0	304.6	301.0	297.5
68.6	332.1	326.3	322.5	318.7
73.1	354.2	348.0	343.9	339.9
77.7	376.3	369.7	365.4	361.2

* Minimum operating weight

** Maximum takeoff weight

U-2S
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.0*	92.7	98.7	110.9	130.1
24.4	116.6	127.2	147.9	168.1
28.9	142.0	162.7	187.5	206.4
33.3	169.0	200.7	227.0	244.9
37.8	200.1	242.0	266.5	283.4
40.0**	218.7	262.6	286.3	302.7
42.2	237.6	283.1	306.1	322.0
46.7	276.3	324.3	345.8	360.7
51.1	319.3	365.4	385.4	399.5
55.6	363.8	406.5	425.1	438.6
60.0	408.1	447.6	464.8	477.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
20.0*	124.9	128.4	130.8	133.7
24.4	158.5	162.3	165.2	168.2
28.9	193.2	197.3	200.3	203.5
33.3	228.9	233.2	236.2	239.5
37.8	265.5	269.8	272.8	276.1
40.0**	284.0	288.3	291.3	294.6
42.2	302.7	307.0	310.0	313.4
46.7	340.6	344.6	347.8	350.9
51.1	379.0	383.0	385.9	389.0
55.6	418.1	421.8	424.5	427.6
60.0	457.5	460.9	463.3	466.1

* Minimum operating weight

** Maximum takeoff weight

U-27A (C-208) Cessna Caravan
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.6*	15.4	15.8	16.1	16.7
5.5	18.0	18.6	19.0	20.4
6.5	20.4	21.2	22.4	24.0
7.4	22.7	23.6	25.9	27.6
8.4	24.8	26.4	29.3	31.2
8.8**	25.6	27.7	30.7	32.6
9.3	26.9	29.7	32.7	34.7
10.3	28.8	32.9	36.1	38.3
11.2	30.7	36.0	39.5	41.8
12.2	32.4	39.2	42.8	45.3
13.1	34.1	42.3	46.2	48.9

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.6*	11.8	12.1	12.3	12.6
5.5	13.6	14.0	14.5	15.3
6.5	15.4	16.4	17.3	18.3
7.4	17.7	19.1	20.1	21.3
8.4	20.1	21.8	23.0	24.3
8.8**	21.1	22.8	24.1	25.5
9.3	22.6	24.5	25.8	27.3
10.3	25.1	27.2	28.7	30.3
11.2	27.6	29.9	31.6	33.3
12.2	30.1	32.6	34.4	36.3
13.1	32.6	35.3	37.3	39.3

* Minimum operating weight

** Maximum takeoff weight

U-28A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.9*	17.8	18.6	19.2	21.3
7.0	20.2	21.2	23.0	25.4
8.0	22.3	23.7	26.9	29.4
9.1	24.3	26.4	30.7	33.5
10.2	26.1	30.0	34.5	37.4
10.5**	26.5	30.7	35.2	38.3
11.3	27.9	33.4	38.2	41.4
12.4	29.5	36.8	41.9	45.4
13.5	31.0	40.1	45.5	49.3
14.6	32.3	43.4	49.2	53.3
15.7	33.6	46.7	52.8	57.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.9*	12.8	13.3	13.8	14.7
7.0	14.4	15.4	16.6	18.0
8.0	16.2	18.2	19.7	21.2
9.1	18.7	21.0	22.7	24.5
10.2	21.2	23.8	25.8	27.8
10.5**	21.7	24.4	26.4	28.4
11.3	23.7	26.7	28.8	31.0
12.4	26.2	29.6	31.9	34.3
13.5	28.8	32.4	35.0	37.5
14.6	31.3	35.3	38.1	40.8
15.7	33.9	38.2	41.1	44.0

* Minimum operating weight

** Maximum takeoff weight

**UAV Warrior ERMP
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
3.2*	9.0	9.3	9.6	9.8
3.4	9.6	9.9	10.2	10.5
3.6	9.9	10.3	10.6	10.9
3.7	10.1	10.5	10.8	11.1
3.9	10.6	11.0	11.3	11.7
4.2**	11.1	11.5	11.9	12.3
4.4	11.6	12.1	12.5	12.9
4.7	12.0	12.6	13.0	13.5
4.9	12.5	13.1	13.6	14.1
5.2	12.9	13.6	14.1	14.6
5.4	13.3	14.0	14.6	15.2

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
3.2*	6.3	6.5	6.7	6.9
3.4	6.7	6.9	7.1	7.3
3.6	6.9	7.1	7.3	7.5
3.7	7.0	7.2	7.4	7.6
3.9	7.3	7.6	7.8	8.0
4.2**	7.6	7.9	8.1	8.4
4.4	7.9	8.2	8.5	8.8
4.7	8.2	8.5	8.8	9.1
4.9	8.5	8.8	9.1	9.5
5.2	8.7	9.1	9.4	9.8
5.4	9.0	9.4	9.8	10.2

* Minimum operating weight

** Maximum takeoff weight

UH-1
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	10.4	10.5	10.6	10.7
6.3	13.1	13.2	13.4	13.5
7.7	15.7	15.9	16.1	16.3
9.0	18.2	18.5	18.7	19.4
10.4	20.6	21.1	21.5	22.4
11.5**	22.5	23.0	23.9	24.8
11.8	23.0	23.5	24.5	25.4
13.1	25.2	26.0	27.4	28.4
14.5	27.5	28.9	30.3	31.3
15.9	29.6	31.7	33.2	34.3
17.3	31.7	34.5	36.1	37.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
4.9*	9.0	9.1	9.2	9.3
6.3	11.1	11.3	11.4	11.5
7.7	13.2	13.4	13.5	13.8
9.0	15.1	15.6	16.0	16.4
10.4	17.4	18.1	18.5	19.1
11.5**	19.3	20.1	20.6	21.2
11.8	19.8	20.5	21.1	21.7
13.1	22.2	23.1	23.7	24.4
14.5	24.6	25.6	26.3	27.1
15.9	27.0	28.1	28.9	29.7
17.3	29.4	30.6	31.5	32.4

* Minimum operating weight

** Maximum takeoff weight

**UH-1H/V Huey
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.2*	11.0	11.1	11.2	11.3
6.2	13.0	13.1	13.2	13.3
7.2	14.9	15.0	15.2	15.4
8.2	16.7	17.0	17.2	17.6
9.2	18.5	18.9	19.1	19.8
9.5**	19.0	19.4	19.6	20.4
10.2	20.3	20.7	21.2	22.0
11.2	22.1	22.5	23.4	24.2
12.2	23.8	24.3	25.5	26.4
13.2	25.4	26.2	27.7	28.6
14.3	27.1	28.3	29.8	30.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
5.2*	9.5	9.6	9.7	9.7
6.2	11.0	11.2	11.3	11.4
7.2	12.5	12.7	12.8	13.0
8.2	14.0	14.2	14.5	14.9
9.2	15.4	15.9	16.3	16.8
9.5**	15.9	16.4	16.8	17.3
10.2	17.1	17.7	18.2	18.8
11.2	18.9	19.6	20.1	20.7
12.2	20.6	21.4	22.0	22.7
13.2	22.4	23.2	23.9	24.6
14.3	24.1	25.1	25.8	26.6

* Minimum operating weight

** Maximum takeoff weight

**UH-1N Twin Huey
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.0*	12.6	12.7	12.8	12.9
7.1	14.6	14.8	14.9	15.1
8.2	16.6	16.9	17.1	17.5
9.3	18.6	18.9	19.1	19.9
10.3	20.5	20.9	21.4	22.2
10.5**	20.7	21.2	21.8	22.6
11.4	22.4	22.9	23.7	24.6
12.5	24.2	24.8	26.1	27.0
13.6	26.0	26.9	28.4	29.3
14.7	27.8	29.2	30.7	31.7
15.8	29.4	31.4	33.0	34.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
6.0*	10.7	10.8	10.9	11.0
7.1	12.3	12.5	12.6	12.8
8.2	13.9	14.1	14.4	14.7
9.3	15.5	16.0	16.4	16.8
10.3	17.3	17.9	18.4	19.0
10.5**	17.6	18.2	18.7	19.3
11.4	19.2	19.9	20.5	21.1
12.5	21.1	21.9	22.5	23.2
13.6	23.0	23.9	24.5	25.3
14.7	24.9	25.9	26.6	27.4
15.8	26.8	27.8	28.6	29.5

* Minimum operating weight

** Maximum takeoff weight

UH-46
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.3*	21.8	22.6	24.3	28.2
15.9	25.7	27.1	30.5	35.6
18.5	29.6	32.5	37.2	44.5
21.0	33.4	38.2	44.1	53.3
23.6	37.4	44.6	51.7	62.1
24.3**	38.7	46.4	54.1	64.4
26.2	42.3	51.3	60.7	70.8
28.7	47.4	58.2	69.6	79.6
31.3	52.7	65.2	78.5	88.3
33.9	58.9	73.9	87.4	97.1
36.5	65.2	83.1	96.3	105.8

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
13.3*	24.5	26.2	27.6	29.1
15.9	30.7	32.8	34.4	36.1
18.5	37.1	39.5	41.4	43.4
21.0	43.7	46.5	48.6	50.7
23.6	50.6	53.7	55.9	58.2
24.3**	52.4	55.6	57.9	60.2
26.2	57.6	61.0	63.3	65.8
28.7	64.8	68.4	70.9	73.4
31.3	72.1	75.9	78.5	81.2
33.9	79.6	83.6	86.3	89.0
36.5	87.1	91.3	94.1	97.0

* Minimum operating weight

** Maximum takeoff weight

UH-60
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.0*	0.0	0.0	0.0	0.1
13.4	0.0	0.0	0.0	0.1
14.8	0.0	0.0	0.0	0.1
16.2	0.0	0.0	0.0	0.1
16.3	0.0	0.0	0.0	0.1
17.5**	0.0	0.0	0.0	0.1
18.9	0.0	0.0	0.0	0.1
20.3	0.0	0.0	0.0	0.1
21.7	0.0	0.0	0.0	0.1
23.1	0.0	0.0	0.0	0.1
24.5	0.0	0.0	0.0	0.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
12.0*	35.9	37.1	37.9	38.9
13.4	40.1	41.5	42.4	43.4
14.8	44.3	45.9	46.9	48.0
16.2	48.6	50.3	51.4	52.6
16.3	49.0	50.8	51.9	53.1
17.5**	52.8	54.7	55.9	57.2
18.9	57.1	59.1	60.4	61.8
20.3	61.3	63.5	64.9	66.4
21.7	65.6	67.9	69.4	70.9
23.1	69.8	72.3	73.9	75.5
24.5	74.1	76.7	78.4	80.1

* Minimum operating weight

** Maximum takeoff weight

UH-72 Lakota
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
3.9*	13.9	14.0	14.0	14.0
4.8	17.1	17.1	17.1	17.2
5.7	20.2	20.2	20.3	20.4
6.6	23.2	23.3	23.4	23.6
7.4	26.2	26.4	26.6	26.8
7.9**	27.9	28.1	28.3	28.4
8.3	29.4	29.6	29.8	29.9
9.2	32.3	32.7	33.0	33.1
10.1	35.3	35.9	36.1	36.3
11.0	38.4	39.0	39.3	39.5
11.9	41.6	42.2	42.5	42.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
3.9*	13.5	13.5	13.6	13.6
4.8	16.5	16.6	16.7	16.7
5.7	19.6	19.7	19.8	19.9
6.6	22.6	22.8	22.9	23.0
7.4	25.7	25.9	26.0	26.1
7.9**	27.3	27.5	27.6	27.7
8.3	28.8	29.0	29.1	29.2
9.2	31.9	32.1	32.2	32.3
10.1	34.9	35.1	35.3	35.5
11.0	38.0	38.2	38.4	38.6
11.9	41.1	41.3	41.5	41.7

* Minimum operating weight

** Maximum takeoff weight

V-22
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.0*	64.6	75.3	83.7	95.9
51.0	72.0	84.6	95.0	109.1
55.9	79.5	94.1	106.8	125.1
60.5	86.6	103.0	118.0	139.9
60.9	87.2	103.8	119.0	141.3
65.9**	95.1	114.4	131.6	158.3
70.9	103.1	125.5	144.5	175.6
75.8	111.2	136.9	158.3	192.9
80.8	119.6	148.6	174.4	210.3
85.8	128.1	160.6	190.7	227.6
90.8	136.9	172.9	207.8	245.0

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
46.0*	83.2	91.5	97.3	103.2
51.0	94.8	103.9	110.3	116.7
55.9	106.8	116.7	123.5	130.4
60.5	118.0	128.6	135.9	143.1
60.9	119.0	129.7	137.1	144.3
65.9**	131.5	143.0	150.7	158.4
70.9	144.2	156.4	164.6	172.6
75.8	157.2	170.0	178.6	187.0
80.8	170.5	183.8	192.7	201.4
85.8	183.8	197.8	207.0	216.2
90.8	197.3	211.9	221.4	230.8

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK2
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
149.8*	140.1	151.6	161.6	179.3
185.8	173.7	190.4	206.3	239.8
221.7	207.7	231.0	254.8	307.5
257.7	242.5	273.7	311.2	389.4
293.7	278.1	318.7	371.6	482.5
315.7**	300.3	347.6	411.2	549.2
329.7	314.7	369.3	439.2	594.6
365.6	352.4	422.3	518.1	714.3
401.6	391.5	479.3	603.3	836.1
437.6	432.0	540.3	701.4	958.8
473.6	474.2	612.9	812.8	1083.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
149.8*	137.9	148.3	162.3	185.9
185.8	174.7	193.8	217.9	252.9
221.7	214.9	245.9	281.2	327.6
257.7	259.2	304.8	351.4	407.5
293.7	308.3	370.1	427.3	492.2
315.7**	340.9	412.9	476.1	546.2
329.7	362.7	441.1	507.9	581.2
365.6	422.8	517.0	593.1	673.8
401.6	487.8	597.8	681.9	770.2
437.6	558.6	682.5	773.8	867.8
473.6	633.3	770.6	868.7	969.2

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK3
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
156.4*	150.6	161.2	171.4	190.6
195.1	188.0	204.2	220.9	258.2
233.9	226.2	249.3	277.1	335.8
272.6	265.2	296.9	338.9	428.2
311.3	305.3	347.5	407.1	537.3
336.7**	332.2	385.5	457.8	619.1
350.1	346.7	405.4	487.0	663.5
388.8	389.6	465.8	576.3	794.2
427.6	434.1	530.9	675.8	926.3
466.3	480.4	605.3	791.9	1060.3
505.0	532.9	688.7	920.6	1196.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
156.4*	149.1	160.5	176.0	201.0
195.1	190.9	212.4	238.8	276.0
233.9	236.9	271.9	310.1	358.8
272.6	287.9	339.2	388.9	447.6
311.3	345.1	413.3	473.8	541.3
336.7**	385.9	465.3	532.1	605.3
350.1	408.5	493.9	563.9	639.8
388.8	478.1	579.4	658.6	742.5
427.6	553.6	670.0	756.8	847.5
466.3	634.0	764.7	859.0	956.3
505.0	719.6	862.9	964.5	1067.6

* Minimum operating weight

** Maximum takeoff weight

**VC-25A Air Force One
ACR, English Units**

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
381.0*	195.0	199.5	207.1	225.4
477.5	244.2	252.8	266.5	303.6
574.0	293.9	308.2	331.3	396.0
670.5	344.5	366.0	403.2	502.3
767.0	396.1	427.1	486.0	629.7
833.0**	432.1	471.3	547.8	725.2
863.5	449.0	492.4	577.7	770.6
960.0	503.1	562.7	678.6	921.8
1056.5	558.6	641.4	790.0	1078.5
1153.0	616.1	726.8	921.9	1251.0
1249.5	675.6	818.5	1062.3	1427.6

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
381.0*	187.6	203.1	223.1	252.6
477.5	243.2	272.2	304.4	347.2
574.0	305.5	350.8	395.8	451.1
670.5	375.1	438.4	495.9	562.8
767.0	452.3	533.9	603.3	680.4
833.0**	509.5	603.6	680.5	764.5
863.5	537.1	636.9	716.9	803.3
960.0	628.8	746.0	835.4	931.1
1056.5	727.5	860.3	959.2	1062.7
1153.0	831.9	979.7	1087.1	1197.7
1249.5	941.6	1103.7	1218.6	1336.4

* Minimum operating weight

** Maximum takeoff weight

VC-180A
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.8*	14.1	14.6	15.1	16
9	16	16.6	17.3	19.2
10.2	17.8	18.6	19.4	22.5
11.5	19.6	20.5	22.2	26.2
12.5	21.1	22.2	24.7	29.6
12.7**	21.3	22.4	25.1	30.1
13.9	23	24.3	28.2	34.1
15.1	24.6	26.6	31.3	38.1
16.3	26.2	29.3	34.8	42.6
17.5	27.7	32	38.5	47.4
18.8	29.2	34.8	42.3	52.3

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
7.8*	12.6	13.2	13.8	14.9
9	14.3	15.2	16.6	18.3
10.2	16.1	18.1	19.8	21.7
11.5	18.8	21.1	23.1	25.3
12.5	21.2	23.8	26	28.4
12.7**	21.5	24.3	26.5	28.9
13.9	24.4	27.5	29.9	32.6
15.1	27.4	30.8	33.5	36.3
16.3	30.5	34.3	37.1	40.1
17.5	33.6	37.7	40.8	43.9
18.8	36.8	41.3	44.5	47.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from C-12C/D Huron which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

WC-130H Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	146.9	162.1	169.9	177.6
102.9	181.2	200.6	211.2	222.5
122.9	215.3	239.4	253.0	269.1
142.8	249.3	278.5	295.6	317.6
162.8	283.3	317.9	339.1	367.7
175.0**	304.1	342.2	366.3	399.3
182.7	317.3	357.7	383.7	419.6
202.7	351.4	398.0	429.6	473.4
222.6	385.7	438.9	476.5	529.1
242.6	420.1	480.5	524.7	586.8
262.5	454.8	522.8	574.0	646.1

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
83.0*	143.3	154.5	164.0	175.4
102.9	181.6	197.2	210.2	225.0
122.9	221.4	242.0	258.4	277.2
142.8	262.9	288.6	308.5	330.8
162.8	306.0	336.8	360.4	386.6
175.0**	333.4	367.1	392.9	421.0
182.7	350.6	386.6	413.7	442.5
202.7	396.7	437.8	468.4	500.8
222.6	444.0	490.4	524.1	560.0
242.6	492.7	544.1	581.3	620.4
262.5	542.5	599.1	639.1	681.1

* Minimum operating weight

** Maximum takeoff weight

WC-130J Hercules
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
86.6*	154.6	169.9	177.9	186.0
106.1	188.5	207.9	218.6	230.4
125.7	222.2	246.2	259.8	276.4
145.2	255.9	284.8	301.8	324.3
164.8	289.6	323.6	344.7	373.7
175.0**	307.3	344.1	367.6	400.2
184.3	323.3	362.9	388.8	424.8
203.9	357.2	402.6	433.9	477.7
223.4	391.1	443.0	480.2	532.5
243.0	425.3	484.0	527.5	589.2
262.5	459.7	525.7	576.1	647.4

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
86.6*	151.6	163.3	173.2	185.1
106.1	189.5	205.7	219.1	234.4
125.7	229.1	250.1	266.9	286.1
145.2	270.3	296.4	316.5	338.9
164.8	313.0	344.0	367.7	393.9
175.0**	336.0	369.5	395.1	422.8
184.3	357.3	393.2	420.3	449.3
203.9	402.8	443.9	474.1	506.4
223.4	449.6	495.7	529.1	564.7
243.0	497.6	548.5	585.4	623.9
262.5	547.0	602.7	642.2	683.7

* Minimum operating weight

** Maximum takeoff weight

WC-135B
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
117.0*	115.6	120.9	125.6	134.2
154.3	152.0	160.7	169.5	186.5
191.5	188.7	201.9	216.4	246.8
228.8	225.8	245.0	267.2	321.1
266.1	263.7	290.1	322.9	401.7
301.6**	300.5	335.3	386.5	496.1
303.3	302.3	337.5	389.6	501.0
340.6	342.1	388.0	459.9	615.1
377.9	382.9	441.9	536.4	739.4
415.1	425.1	506.3	626.5	868.7
452.4	468.8	571.7	726.0	998.7

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
117.0*	110.7	115.7	122.6	136.0
154.3	148.2	159.2	174.3	198.4
191.5	188.4	209.0	234.2	270.1
228.8	232.6	265.8	302.2	349.2
266.1	281.4	329.8	377.1	433.6
301.6**	333.1	396.6	454.2	519.0
303.3	335.8	400.0	458.0	523.3
340.6	395.8	476.1	543.5	617.4
377.9	461.5	557.4	633.8	715.0
415.1	532.5	643.3	727.6	815.8
452.4	608.4	733.2	824.6	919.7

* Minimum operating weight

** Maximum takeoff weight

WC-135C Constant Phoenix
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
120.0*	122.3	126.9	131.4	140.4
156.8	159.5	167.2	175.8	193.6
193.5	196.9	209.0	223.3	257.7
230.3	235.0	252.7	274.7	330.1
267.0	273.7	298.3	331.1	411.9
300.5**	309.8	342.1	392.7	502.6
303.8	313.3	346.4	398.7	511.9
340.5	354.0	397.6	469.6	626.4
377.3	395.8	452.2	546.6	750.7
414.0	439.0	510.6	637.2	879.7
450.8	483.6	583.4	737.1	1009.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
120.0*	117.9	123.0	130.6	144.6
156.8	156.4	168.1	183.8	208.9
193.5	198.1	219.4	245.3	281.5
230.3	243.7	277.7	314.4	361.4
267.0	294.1	343.0	390.2	446.6
300.5**	344.9	407.7	464.3	528.4
303.8	350.1	414.2	471.6	536.5
340.5	411.6	491.2	557.8	631.1
377.3	478.6	573.2	648.5	728.7
414.0	550.6	659.7	742.6	829.4
450.8	627.6	750.0	839.8	933.5

* Minimum operating weight

** Maximum takeoff weight

WC-135W Constant Phoenix
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
120.0*	122.3	126.9	131.4	140.4
156.8	159.5	167.2	175.8	193.6
193.5	196.9	209.0	223.3	257.7
230.3	235.0	252.7	274.7	330.1
267.0	273.7	298.3	331.1	411.9
300.5**	309.8	342.1	392.7	502.6
303.8	313.3	346.4	398.7	511.9
340.5	354.0	397.6	469.6	626.4
377.3	395.8	452.2	546.6	750.7
414.0	439.0	510.6	637.2	879.7
450.8	483.6	583.4	737.1	1009.5

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
120.0*	117.9	123.0	130.6	144.6
156.8	156.4	168.1	183.8	208.9
193.5	198.1	219.4	245.3	281.5
230.3	243.7	277.7	314.4	361.4
267.0	294.1	343.0	390.2	446.6
300.5**	344.9	407.7	464.3	528.4
303.8	350.1	414.2	471.6	536.5
340.5	411.6	491.2	557.8	631.1
377.3	478.6	573.2	648.5	728.7
414.0	550.6	659.7	742.6	829.4
450.8	627.6	750.0	839.8	933.5

* Minimum operating weight

** Maximum takeoff weight

YAK-40
ACR, English Units

Flexible Pavements

Load (kips)	ACR Value for Flexible Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
15.3*	66.2	64.5	63.7	63.2
19	82.1	80	79	78.3
22.7	98	95.5	94.3	93.5
26.3	113.9	111	109.7	108.7
30	129.9	126.5	125	123.9
32.3**	139.6	136	134.4	133.2
33.7	145.8	142.1	140.4	139.1
37.4	161.8	157.6	155.7	154.3
41	177.8	173.2	171.1	169.6
44.7	193.8	188.7	186.4	184.8
48.4	209.8	204.3	201.8	200

Rigid Pavements

Load (kips)	ACR Value for Rigid Subgrade Category (E, psi)			
	A (E=29008)	B (E=17405)	C (E=11603)	D (E=7252)
15.3*	68.2	67.4	66.7	66.1
19	84.5	83.4	82.7	81.9
22.7	100.7	99.5	98.5	97.6
26.3	117	115.5	114.4	113.4
30	133.2	131.6	130.3	129.2
32.3**	143.2	141.3	140	138.8
33.7	149.5	147.6	146.2	145
37.4	165.7	163.6	162.1	160.7
41	182	179.7	178	176.5
44.7	198.2	195.6	193.9	192.2
48.4	214.5	211.7	209.9	208.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACR estimated from RQ-4B GLOBAL HAWK 20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

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A-4 ANNEX C: ACN – METRIC UNITS
AIRCRAFT CLASSIFICATION NUMBER (ACN)
TABLES METRIC UNITS

FLEXIBLE PAVEMENT
STANDARD SUBGRADE STRENGTH
CATEGORIES

Subgrade Strength Category	Subgrade Support CBR Value, Percent	Represents CBR Value Range, Percent	Code Designation
High	15	$\text{CBR} \geq 13$	A
Medium	10	$8 < \text{CBR} < 13$	B
Low	6	$4 < \text{CBR} \leq 8$	C
Ultra Low	3	$\text{CBR} \leq 4$	D

RIGID PAVEMENT
STANDARD SUBGRADE STRENGTH
CATEGORIES

Subgrade Strength Category	Subgrade k-value, MPa/m	Represents k-value Range, MPa/m	Code Designation
High	150	$k \geq 120$	A
Medium	80	$60 < k < 120$	B
Low	40	$25 < k \leq 60$	C
Ultra Low	20	$k \leq 25$	D

A-4 Skyhawk
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.8*	4.7	4.5	4.5	4.5
6.2	6.1	5.9	5.9	5.9
7.7	7.6	7.3	7.3	7.3
9.1	9.0	8.6	8.7	8.6
10.6	10.4	10.0	10.1	10.0
11.9**	11.7	11.3	11.3	11.3
12.1	11.9	11.4	11.5	11.4
13.5	13.3	12.8	12.8	12.8
15.0	14.7	14.2	14.2	14.2
16.4	16.2	15.6	15.6	15.5
17.9	17.6	16.9	17.0	16.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.8*	4.5	4.6	4.6	4.6
6.2	6.0	6.0	6.0	6.0
7.7	7.4	7.4	7.4	7.4
9.1	8.8	8.9	8.9	8.8
10.6	10.2	10.3	10.3	10.2
11.9**	11.6	11.6	11.6	11.5
12.1	11.7	11.8	11.7	11.6
13.5	13.1	13.2	13.2	13.0
15.0	14.5	14.6	14.6	14.4
16.4	16.0	16.1	16.0	15.9
17.9	17.4	17.5	17.5	17.3

* Minimum operating weight

** Maximum takeoff weight

A-6 Intruder
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
12.1*	11.9	11.4	11.5	11.4
15.3	15.0	14.5	14.5	14.4
18.5	18.2	17.5	17.6	17.5
21.8	21.4	20.6	20.7	20.5
25.0	24.6	23.6	23.7	23.6
27.4**	27.0	25.9	26.0	25.9
28.2	27.8	26.7	26.8	26.6
31.4	30.9	29.7	29.9	29.7
34.7	34.1	32.8	32.9	32.7
37.9	37.3	35.9	36.0	35.8
41.1	40.5	38.9	39.1	38.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
12.1*	11.7	11.8	11.7	11.6
15.3	14.8	14.9	14.9	14.7
18.5	18.0	18.1	18.1	17.9
21.8	21.2	21.3	21.3	21.0
25.0	24.3	24.5	24.4	24.1
27.4**	26.7	26.9	26.8	26.5
28.2	27.5	27.7	27.6	27.3
31.4	30.7	30.9	30.8	30.4
34.7	33.8	34.1	34.0	33.5
37.9	37.0	37.3	37.2	36.7
41.1	40.2	40.5	40.3	39.8

* Minimum operating weight

** Maximum takeoff weight

A-7 Corsair II
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
9.9*	9.7	9.4	9.4	9.3
12.0	11.8	11.3	11.4	11.3
14.0	13.9	13.3	13.3	13.3
16.1	15.9	15.3	15.3	15.2
18.2	17.9	17.2	17.3	17.2
19.1**	18.7	18.0	18.1	18.0
20.3	19.9	19.2	19.3	19.1
22.4	22.0	21.2	21.2	21.1
24.4	24.0	23.1	23.2	23.1
26.5	26.1	25.1	25.2	25.0
28.6	28.1	27.1	27.2	27.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
9.9*	9.5	9.6	9.6	9.5
12.0	11.6	11.7	11.6	11.5
14.0	13.6	13.7	13.7	13.5
16.1	15.6	15.8	15.7	15.5
18.2	17.7	17.8	17.8	17.6
19.1**	18.5	18.7	18.6	18.4
20.3	19.7	19.9	19.8	19.6
22.4	21.8	21.9	21.9	21.6
24.4	23.8	24.0	23.9	23.6
26.5	25.8	26.0	25.9	25.6
28.6	27.9	28.1	28.0	27.6

* Minimum operating weight

** Maximum takeoff weight

A-10
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.1*	8.3	8.1	8.1	8.1
11.8	10.8	10.5	10.6	10.6
14.6	13.3	13.0	13.0	13.0
17.4	15.8	15.5	15.5	15.5
20.2	18.4	17.9	18.0	18.0
22.7**	20.7	20.2	20.2	20.2
22.9	20.9	20.4	20.5	20.5
25.7	23.4	22.9	22.9	22.9
28.5	26.0	25.3	25.4	25.4
31.3	28.5	27.8	27.9	27.9
34.0	31.0	30.3	30.4	30.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.1*	8.1	8.2	8.2	8.1
11.8	10.6	10.7	10.7	10.6
14.6	13.1	13.2	13.2	13.1
17.4	15.6	15.8	15.8	15.6
20.2	18.1	18.3	18.3	18.1
22.7**	20.4	20.6	20.6	20.4
22.9	20.6	20.8	20.8	20.6
25.7	23.1	23.4	23.3	23.1
28.5	25.6	25.9	25.9	25.6
31.3	28.1	28.4	28.4	28.1
34.0	30.6	31.0	30.9	30.6

* Minimum operating weight

** Maximum takeoff weight

AC-130H Spectre
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
49.9*	19.2	21.6	22.2	25.0
57.6	22.7	25.2	26.1	29.5
65.3	26.0	28.7	30.0	34.6
73.0	29.5	32.4	34.1	39.5
79.4	32.4	35.5	37.5	43.8
80.6**	33.0	36.2	38.1	44.7
88.3	36.5	40.0	42.2	50.0
96.0	40.0	43.9	47.1	55.5
103.7	43.6	48.0	51.9	61.2
111.4	47.4	52.1	56.7	67.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
49.9*	21.1	22.7	24.4	25.7
57.6	24.7	26.7	28.7	30.3
65.3	28.3	30.8	33.1	34.9
73.0	32.0	34.9	37.6	39.7
79.4	35.2	38.5	41.5	43.8
80.6**	35.9	39.2	42.2	44.6
88.3	39.8	43.5	47.0	49.5
96.0	43.7	48.0	51.8	54.6
103.7	47.8	52.5	56.7	59.7
111.4	51.9	57.1	61.6	64.9
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

AC-130U Spooky
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
49.9*	19.2	21.6	22.2	25.0
57.6	22.7	25.2	26.1	29.5
65.3	26.0	28.7	30.0	34.6
73.0	29.5	32.4	34.1	39.5
79.4	32.4	35.5	37.5	43.8
80.6**	33.0	36.2	38.1	44.7
88.3	36.5	40.0	42.2	50.0
96.0	40.0	43.9	47.1	55.5
103.7	43.6	48.0	51.9	61.2
111.4	47.4	52.1	56.7	67.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
49.9*	21.1	22.7	24.4	25.7
57.6	24.7	26.7	28.7	30.3
65.3	28.3	30.8	33.1	34.9
73.0	32.0	34.9	37.6	39.7
79.4	35.2	38.5	41.5	43.8
80.6**	35.9	39.2	42.2	44.6
88.3	39.8	43.5	47.0	49.5
96.0	43.7	48.0	51.8	54.6
103.7	47.8	52.5	56.7	59.7
111.4	51.9	57.1	61.6	64.9
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

**AH-64 Apache Longbow W/FCR
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.5*	3.4	3.7	3.9	4.1
6.6	4.0	4.5	4.8	4.9
7.7	4.7	5.3	5.5	5.8
8.9	5.4	6.1	6.4	6.6
10.0	6.1	6.8	7.2	7.5
10.4**	6.4	7.1	7.5	7.8
11.1	6.8	7.6	8.0	8.3
12.3	7.5	8.4	8.8	9.2
13.4	8.2	9.1	9.6	10.0
14.5	8.9	9.9	10.4	10.9
15.7	9.6	10.7	11.2	11.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.5*	3.5	3.6	3.7	3.7
6.6	4.2	4.4	4.4	4.5
7.7	5.0	5.1	5.2	5.2
8.9	5.7	5.8	6.0	6.0
10.0	6.4	6.6	6.7	6.8
10.4**	6.7	6.9	7.0	7.1
11.1	7.1	7.3	7.5	7.5
12.3	7.8	8.1	8.2	8.3
13.4	8.6	8.8	9.0	9.1
14.5	9.3	9.6	9.8	9.8
15.7	10.0	10.3	10.5	10.6

* Minimum operating weight

** Maximum takeoff weight

Airbus A310 MRTT
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
114.0*	28.2	30.7	35.6	47.6
128.8	32.9	36.2	43.0	56.7
143.6	38.1	41.9	50.6	65.8
158.5	43.1	48.0	58.4	75.0
164.9**	45.4	50.7	62.0	79.0
173.3	48.7	54.3	66.7	84.2
188.1	54.5	61.1	75.0	93.3
202.9	60.6	69.1	83.8	102.6
217.7	66.7	76.8	92.8	111.9
232.5	72.9	84.7	102.1	121.3
247.4	79.5	93.1	111.4	130.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
114.0*	27.5	32.8	38.9	44.5
128.8	32.4	38.8	46.1	52.4
143.6	37.5	45.3	53.7	60.7
158.5	43.0	52.1	61.6	69.2
164.9**	45.4	55.1	65.1	73.0
173.3	48.7	59.2	69.8	78.1
188.1	54.8	66.7	78.2	87.2
202.9	61.3	74.4	86.9	96.5
217.7	68.0	82.5	95.9	106.0
232.5	75.0	90.7	105.1	115.7
247.4	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV056
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
73.3*	39.2	41.0	44.6	50.3
80.7	43.7	45.9	50.3	56.1
88.0	48.3	51.2	56.2	61.9
92.9**	51.5	54.8	60.1	65.9
95.3	53.1	56.6	62.1	67.8
102.7	58.1	62.0	68.0	73.6
110.0	63.8	67.6	74.0	79.4
117.4	68.9	73.4	79.9	85.2
124.7	74.1	79.4	85.8	91.0
132.0	79.5	85.4	91.7	96.8
139.4	85.1	91.5	97.7	102.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
73.3*	44.5	47.4	49.7	50.9
80.7	49.9	53.1	55.5	56.8
88.0	55.4	58.8	61.4	62.8
92.9**	59.1	62.8	65.5	66.9
95.3	61.0	64.7	67.5	68.9
102.7	66.6	70.7	73.6	75.0
110.0	72.5	76.7	79.7	81.2
117.4	78.3	82.8	86.0	87.5
124.7	84.2	89.0	92.3	93.8
132.0	90.3	95.3	98.7	100.2
139.4	96.4	101.7	105.1	106.6

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV070

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
67.0*	34.8	35.9	39.8	45.3
73.0	38.4	39.6	44.3	49.9
78.9	41.9	44.1	48.8	54.6
80.4**	42.8	45.2	50.0	55.8
84.9	45.5	48.4	53.5	59.3
90.8	49.3	52.8	58.2	64.0
96.8	54.0	57.1	62.9	68.6
102.8	58.0	61.5	67.7	73.3
108.7	61.3	66.0	72.4	77.9
114.7	66.2	70.6	77.1	82.5
120.6	70.5	75.4	81.9	87.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
67.0*	38.8	41.6	43.8	45.1
73.0	43.0	46.0	48.4	49.7
78.9	47.2	50.5	53.0	54.5
80.4**	48.3	51.6	54.2	55.6
84.9	51.5	55.0	57.7	59.2
90.8	55.9	59.7	62.5	64.0
96.8	60.3	64.4	67.3	68.9
102.8	64.9	69.1	72.1	73.8
108.7	69.4	73.9	77.1	78.8
114.7	74.0	78.7	82.1	83.8
120.6	78.7	83.7	87.1	88.8

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV071
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
73.3*	39.4	40.6	44.8	50.5
81.4	44.5	46.6	51.0	56.9
89.5	49.5	52.5	57.5	63.2
97.4**	54.6	58.5	63.9	69.5
97.6	54.7	58.6	64.0	69.6
105.7	61.1	64.7	70.6	76.0
113.8	66.9	70.8	77.2	82.3
121.9	72.6	77.3	83.7	88.7
129.9	78.4	84.0	90.3	95.0
138.0	84.3	90.7	96.8	101.3
146.1	90.6	97.5	103.4	107.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
73.3*	45.1	48.0	50.1	51.3
81.4	51.1	54.3	56.6	57.9
89.5	57.3	60.7	63.2	64.6
97.4**	63.4	67.1	69.8	71.2
97.6	63.5	67.2	69.9	71.3
105.7	69.9	73.9	76.8	78.1
113.8	76.4	80.7	83.6	85.0
121.9	83.0	87.5	90.6	92.0
129.9	89.6	94.5	97.8	99.1
138.0	96.4	101.6	104.9	106.2
146.1	103.4	108.7	112.1	113.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO XLR WV099

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
75.6*	40.9	42.9	46.6	52.3
84.1	46.2	48.7	53.3	58.9
92.6	51.8	55.0	60.1	65.6
101.1	57.4	61.4	67.0	72.2
101.4**	57.6	61.6	67.3	72.5
109.6	63.3	67.9	73.9	79.0
118.1	70.1	74.5	80.8	85.7
126.6	76.3	81.4	87.7	92.4
135.1	82.5	88.5	94.6	99.1
143.6	88.9	95.6	101.5	105.7
152.1	95.6	102.7	108.4	112.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
75.6*	47.3	50.1	52.3	53.5
84.1	53.7	56.9	59.2	60.4
92.6	60.2	63.7	66.2	67.5
101.1	66.9	70.7	73.4	74.7
101.4**	67.1	70.9	73.6	74.9
109.6	73.7	77.8	80.6	81.9
118.1	80.6	85.0	87.9	89.2
126.6	87.7	92.3	95.4	96.7
135.1	94.8	99.7	102.9	104.2
143.6	102.1	107.2	110.6	111.8
152.1	109.4	114.8	118.2	119.4

* Minimum operating weight

** Maximum takeoff weight

Airbus A330 MRTT
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
120.5*	30.6	33.1	37.8	46.0
146.1	39.1	42.5	49.2	58.9
171.7	48.1	52.9	61.2	72.4
197.3	57.9	64.1	73.4	86.6
222.9	68.0	76.5	85.8	101.4
233.9**	72.4	80.6	91.3	108.2
248.5	79.1	87.5	98.9	117.2
274.1	91.5	99.6	112.3	133.1
299.7	103.2	113.5	125.9	148.8
325.3	116.2	126.7	139.8	164.6
350.8	129.0	138.2	154.5	180.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
120.5*	31.4	34.6	39.7	44.8
146.1	39.4	44.5	51.5	57.9
171.7	48.1	55.4	64.1	71.8
197.3	57.5	67.0	77.7	86.6
222.9	67.8	79.6	91.9	101.9
233.9**	72.5	85.2	98.3	108.7
248.5	78.8	92.8	106.9	118.0
274.1	90.6	106.8	122.5	134.6
299.7	103.1	121.6	138.7	151.6
325.3	116.1	136.7	155.5	169.3
350.8	129.9	152.7	172.8	187.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 400M
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
78.6*	9.5	9.7	11.2	14.5
93.4	11.7	12.2	14.1	18.6
108.1	14.0	14.5	17.1	22.9
122.9	16.2	17.4	20.4	27.7
137.7	18.6	20.3	24.2	32.8
141.0**	19.2	21.0	25.1	33.9
152.4	21.3	23.4	28.2	37.9
167.2	24.0	26.5	32.2	43.3
182.0	26.7	30.0	36.5	48.7
196.7	30.0	33.4	41.1	54.4
211.5	33.0	37.0	45.8	60.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
78.6*	10.0	10.5	12.3	15.6
93.4	11.9	12.8	15.9	20.3
108.1	13.8	15.3	19.9	25.3
122.9	15.9	18.4	24.3	30.9
137.7	18.0	21.8	29.1	36.8
141.0**	18.5	22.6	30.3	38.2
152.4	20.2	25.5	34.3	43.0
167.2	22.5	29.6	39.9	49.5
182.0	25.1	34.1	45.7	56.3
196.7	28.2	38.8	51.9	63.4
211.5	31.5	43.9	58.3	70.6

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300 B2, B4

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
88.5*	21.1	22.6	25.5	33.4
104.9	25.8	28	32	42.7
121.3	31.3	33.9	39.8	52.6
137.8	36.8	40.2	48	62.7
154.2	42.6	46.7	56.8	73
157.5**	43.8	48.1	58.6	75.1
170.6	48.6	53.8	65.8	83.3
187.0	55	62.1	75.3	93.5
203.4	61.7	70.3	85	103.7
219.8	68.4	79	95	114.2
236.3	75.8	87.8	105.5	124.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
88.5*	21	24.2	28.5	32.4
104.9	25.9	30.4	35.9	40.8
121.3	31.4	37.1	43.8	49.6
137.8	37.1	44.3	52.2	58.8
154.2	43.3	52	61	68.3
157.5**	44.6	53.6	62.8	70.3
170.6	49.9	60	70.2	78.2
187.0	56.9	68.5	79.7	88.4
203.4	64.3	77.3	89.5	99
219.8	72.1	86.4	99.8	109.7
236.3	80.1	95.9	110.2	120.7

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300-600

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
88.5*	21	22.5	25.4	33.4
107.3	26.4	28.7	33	44.1
126.1	32.3	35.6	42	55.4
144.9	39	42.8	51.7	67.2
163.6	45.7	50.7	61.8	78.8
171.7**	48.6	54.2	66.4	83.8
182.4	52.8	59	72.5	90.6
201.2	60.6	68.9	83.5	102.5
220.0	68.5	78.9	95.1	114.3
238.8	76.4	89.1	106.9	126.1
257.6	84.7	99.7	118.9	137.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
88.5*	20.5	23.8	28	32.1
107.3	26.1	30.8	36.5	41.6
126.1	32.2	38.5	45.5	51.7
144.9	38.9	46.8	55.3	62.3
163.6	46	55.6	65.5	73.3
171.7**	49.3	59.6	70	78.2
182.4	53.7	65	76.2	84.8
201.2	62	74.9	87.2	96.7
220.0	70.7	85.3	98.8	108.9
238.8	79.8	96	110.7	121.5
257.6	89.4	107.2	123.1	134.3

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A310-200/300

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
79.2*	18.4	19.3	21.8	28.2
96.6	23.3	25.1	28.2	37.4
113.9	28.5	30.9	35.4	47.5
131.3	34.4	37.3	44.1	58
148.7	40.4	44	53.1	68.8
157.0**	43.3	47.3	57.6	73.9
166.0	46.6	51.2	62.4	79.4
183.4	53	59.7	72.3	90.3
200.8	59.6	68.1	82.2	101.2
218.1	67.5	76.9	92.9	112.1
235.5	75.3	86.5	103.7	122.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
79.2*	18.5	21	24.4	27.9
96.6	23.5	27.2	31.9	36.3
113.9	29	34.1	40	45.3
131.3	34.9	41.4	48.6	54.8
148.7	41.3	49.4	57.8	64.7
157.0**	44.5	53.3	62.3	69.6
166.0	48.2	57.6	67.3	75
183.4	55.4	66.4	77.3	85.6
200.8	63.1	75.6	87.5	96.6
218.1	71.3	85.2	98.1	107.9
235.5	79.7	95.3	109.1	119.4

* Minimum operating weight

** Maximum takeoff weight

Airbus A319-100

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
58.4*	28.7	29.5	32.3	37.0
64.5	32.2	33.5	36.4	41.7
70.6	35.9	37.5	40.7	46.4
75.7	38.9	40.7	44.4	50.2
76.8	39.5	41.4	45.2	51.0
82.9**	43.1	45.4	49.7	55.6
89.0	46.8	49.6	54.4	60.3
95.1	50.6	53.9	59.1	65.0
101.2	54.6	58.2	63.9	69.8
107.4	58.6	62.6	68.7	74.5
113.5	63.5	66.9	73.5	79.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
58.4*	32.3	34.5	36.3	37.5
64.5	36.3	38.8	40.8	42.1
70.6	40.4	43.2	45.4	46.7
75.7	43.9	46.9	49.2	50.5
76.8	44.6	47.7	50.0	51.3
82.9**	48.9	52.2	54.7	56.1
89.0	53.3	56.8	59.4	60.9
95.1	57.7	61.4	64.2	65.7
101.2	62.2	66.2	69.1	70.6
107.4	66.7	71.0	74.0	75.5
113.5	71.4	75.8	78.9	80.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A320-200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
39.7*	8.8	9.1	10.3	12.9
46.6	10.6	11.1	12.6	16.4
53.5	12.6	13.2	15.1	20.2
60.5	14.4	15.4	17.9	24.2
67.4	16.6	17.9	20.7	28.4
68.0**	16.8	18.2	21.0	28.8
74.3	18.6	20.4	24.1	32.6
81.2	20.9	23.0	27.5	36.9
88.2	23.1	25.7	31.2	41.2
95.1	25.4	28.5	35.0	45.5
102.0	28.2	31.4	39.0	49.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
39.7*	8.7	10.0	11.7	13.4
46.6	10.6	12.3	14.5	16.6
53.5	12.6	14.8	17.5	20.0
60.5	14.8	17.5	20.7	23.5
67.4	17.0	20.4	24.0	27.2
68.0**	17.3	20.6	24.3	27.5
74.3	19.5	23.4	27.5	31.0
81.2	22.0	26.5	31.1	34.9
88.2	24.7	29.7	34.8	38.9
95.1	27.5	33.1	38.7	43.0
102.0	30.5	36.6	42.6	47.3

* Minimum operating weight

** Maximum takeoff weight

Airbus A330-200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
125.0*	27.5	28.5	31.7	39.0
149.6	33.7	35.7	39.7	50.3
174.2	40.5	43.2	48.3	63.1
198.8	47.3	51.0	57.4	76.4
223.4	54.2	59.0	67.2	90.6
230.9**	56.4	61.6	71.3	95.0
247.9	62.6	67.6	78.9	105.4
272.5	70.6	76.5	90.4	120.6
297.1	78.8	85.9	103.0	135.7
321.7	87.4	95.6	116.0	151.1
346.3	96.2	105.6	129.5	166.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
125.0*	26.7	28.7	32.3	36.8
149.6	32.3	35.5	40.6	46.6
174.2	38.2	42.7	49.6	57.2
198.8	44.3	50.4	59.2	68.3
223.4	50.7	58.6	69.4	80.0
230.9**	52.8	61.2	72.6	83.6
247.9	57.5	67.3	80.2	92.2
272.5	64.6	76.5	91.3	104.9
297.1	72.1	86.1	102.9	117.9
321.7	80.0	96.2	115.0	131.4
346.3	88.2	106.8	127.6	145.2

* Minimum operating weight

** Maximum takeoff weight

Airbus A340-200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
127.2*	22.9	23.6	26.1	31.5
159.0	29.7	30.9	34.4	42.8
190.9	36.7	39.0	43.5	55.9
222.7	44.1	47.3	53.1	70.0
254.6	51.6	55.9	63.4	85.1
275.9**	56.7	62.0	71.7	95.7
286.4	60.3	65.1	75.7	101.1
318.3	69.0	74.7	88.0	117.5
350.1	77.8	84.8	101.6	133.9
382.0	87.2	95.3	115.7	150.7
413.9	96.8	106.2	130.4	167.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
127.2*	22.8	24.1	26.6	30.0
159.0	28.7	31.1	35.2	40.2
190.9	34.9	38.6	44.5	51.2
222.7	41.4	46.8	54.6	63.0
254.6	48.2	55.4	65.4	75.5
275.9**	53.0	61.6	73.1	84.2
286.4	55.5	64.7	76.9	88.6
318.3	63.1	74.6	89.0	102.3
350.1	71.2	85.0	101.6	116.4
382.0	79.8	96.0	114.7	131.0
413.9	88.7	107.4	128.4	146.1

* Minimum operating weight

** Maximum takeoff weight

Airbus A380-800
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
300.0*	25.1	26.9	30.4	39.9
360.3	31.5	34.2	39.1	52.8
420.7	38.6	41.7	48.9	68.1
481.0	45.4	49.8	58.9	83.5
541.3	53.1	58.3	70.4	99.5
562.0**	56.2	61.4	74.6	105.2
601.7	61.8	67.4	82.7	116.0
662.0	70.2	78.3	95.6	131.0
722.3	79.3	88.9	109.7	148.1
782.7	88.5	99.9	124.3	165.8
843.0	98.3	111.8	142.1	183.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
300.0*	26.4	28.7	34.2	42.1
360.3	32.1	36.2	44.6	55.5
420.7	38.2	44.6	56.4	70.2
481.0	44.7	54.0	69.4	86.0
541.3	51.9	64.4	83.6	102.9
562.0**	54.5	68.2	88.7	108.8
601.7	59.7	75.8	98.8	120.7
662.0	68.1	88.2	114.9	139.3
722.3	77.4	101.7	132.0	158.7
782.7	87.3	116.0	150.0	178.7
843.0	98.0	131.2	168.7	199.4

* Minimum operating weight

** Maximum takeoff weight

AJET
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.5*	4.2	4.2	4.2	4.2
5.5	5.1	5	5	5.1
6.4	5.9	5.9	5.9	6
7.3	6.7	6.7	6.7	6.8
8.2	7.6	7.5	7.6	7.7
8.5**	7.9	7.8	7.9	7.9
9.1	8.4	8.4	8.4	8.5
10	9.3	9.2	9.3	9.4
10.9	10.1	10.1	10.1	10.2
11.8	11	10.9	10.9	11.1
12.7	11.8	11.7	11.8	11.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.5*	4.1	4.1	4.2	4.2
5.5	4.9	5	5	5
6.4	5.8	5.8	5.9	5.8
7.3	6.6	6.7	6.7	6.7
8.2	7.4	7.5	7.6	7.5
8.5**	7.7	7.8	7.8	7.8
9.1	8.3	8.4	8.4	8.4
10	9.1	9.2	9.2	9.2
10.9	9.9	10.1	10.1	10
11.8	10.8	10.9	10.9	10.9
12.7	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-12 Russian
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.0*	6.1	6.4	7.1	8.5
35.1	8.0	8.5	9.5	11.4
42.1	10.0	10.6	12.1	14.3
49.2	12.1	13.0	14.9	17.4
56.2	14.1	15.6	17.8	20.6
61.0**	15.7	17.5	19.8	22.7
63.3	16.6	18.4	20.7	23.7
70.3	19.0	21.2	23.6	26.9
77.4	21.6	24.0	26.6	30.2
84.4	24.2	26.9	29.5	33.5
91.5	27.2	29.7	32.6	37.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
28.0*	7.5	7.6	7.9	8.6
35.1	9.5	9.7	10.3	11.4
42.1	11.6	11.9	13.0	14.4
49.2	13.7	14.3	15.9	17.7
56.2	15.8	16.9	18.9	21.1
61.0**	17.3	18.7	21.1	23.5
63.3	18.0	19.6	22.1	24.7
70.3	20.4	22.5	25.5	28.4
77.4	22.9	25.6	29.0	32.2
84.4	25.5	28.7	32.7	36.1
91.5	28.3	32.1	36.4	40.2

* Minimum operating weight

** Maximum takeoff weight

AN-24/26
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.5*	4.7	5.5	6.2	7.4
16.1	5.7	6.9	7.7	9.3
18.8	6.8	8.2	9.2	11.3
21.4	7.9	9.5	10.8	13.2
24.1	9.1	11.1	12.6	15.2
24.9**	9.5	11.5	13.1	15.8
26.8	10.3	12.6	14.4	17.2
29.4	11.6	14.2	16.3	19.1
32.1	12.9	15.9	18.2	21.1
34.7	14.1	17.5	20.2	23
37.4	15.6	19.2	22.1	25

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.5*	5.3	5.9	6.5	7
16.1	6.6	7.4	8.1	8.6
18.8	7.9	8.9	9.7	10.2
21.4	9.3	10.4	11.3	12
24.1	10.7	12	13	13.7
24.9**	11.2	12.5	13.5	14.2
26.8	12.2	13.6	14.7	15.5
29.4	13.7	15.2	16.5	17.3
32.1	15.3	16.9	18.3	19.1
34.7	16.9	18.7	20.1	21
37.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-124 Russian
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
170.8*	13.4	14.2	16.6	22.7
217.1	18.0	19.8	23.5	33.1
263.5	23.1	25.9	31.5	45.2
309.8	29.2	32.6	40.2	57.8
356.2	35.1	39.6	49.8	71.1
392.0**	40.3	46.3	58.2	82.6
402.6	41.8	48.2	60.7	86.1
448.9	49.2	57.1	73.4	101.5
495.3	56.8	66.6	85.9	117.7
541.6	64.5	76.8	98.8	134.2
588.0	72.5	87.3	111.8	150.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
170.8*	13.6	14.6	17.2	22.8
217.1	17.4	19.2	24.8	34.4
263.5	21.4	25.0	34.5	48.4
309.8	25.7	32.1	46.1	64.3
356.2	30.3	40.2	59.6	82.1
392.0**	34.1	47.7	71.2	96.9
402.6	35.5	50.0	74.8	101.4
448.9	42.0	61.4	91.7	122.1
495.3	49.3	74.3	110.1	144.1
541.6	57.7	88.7	129.8	167.2
588.0	67.1	104.5	150.8	191.3

* Minimum operating weight

** Maximum takeoff weight

AN-225 Myria Cossack

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
285.0*	16.1	17.5	20.0	27.2
353.3	21.2	23.2	27.4	38.2
421.7	26.4	29.4	35.6	50.0
490.0	32.6	36.2	44.5	62.5
558.3	39.0	43.5	54.2	75.9
600.0**	42.9	49.0	60.9	84.8
626.7	45.6	52.2	65.2	90.4
695.0	53.0	61.3	76.7	104.9
763.3	60.6	70.8	88.5	119.9
831.7	68.1	80.8	100.9	133.6
900.0	77.7	91.4	113.7	149.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
285.0*	16.7	18.1	22.6	29.8
353.3	21.0	23.9	31.9	42.2
421.7	25.5	31.2	42.8	56.5
490.0	30.5	39.7	55.4	72.2
558.3	36.0	49.5	69.3	89.2
600.0**	40.1	56.1	78.5	100.1
626.7	42.9	60.7	84.6	107.3
695.0	50.9	73.2	101.2	126.5
763.3	59.8	86.8	118.9	146.7
831.7	69.8	101.6	137.4	167.7
900.0	81.0	117.6	157.1	189.5

* Minimum operating weight

** Maximum takeoff weight

Andover C MK 1 & E MK 3
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.5*	4.7	5.5	6.2	7.4
16.1	5.7	6.9	7.7	9.3
18.8	6.8	8.2	9.2	11.3
21.4	7.9	9.5	10.8	13.2
24.1	9.1	11.1	12.6	15.2
24.9**	9.5	11.5	13.1	15.8
26.8	10.3	12.6	14.4	17.2
29.4	11.6	14.2	16.3	19.1
32.1	12.9	15.9	18.2	21.1
34.7	14.1	17.5	20.2	23.0
37.4	15.6	19.2	22.1	25.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.5*	5.3	5.9	6.5	7.0
16.1	6.6	7.4	8.1	8.6
18.8	7.9	8.9	9.7	10.2
21.4	9.3	10.4	11.3	12.0
24.1	10.7	12.0	13.0	13.7
24.9**	11.2	12.5	13.5	14.2
26.8	12.2	13.6	14.7	15.5
29.4	13.7	15.2	16.5	17.3
32.1	15.3	16.9	18.3	19.1
34.7	16.9	18.7	20.1	21.0
37.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Andover CC MK 2

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
11.9*	4.0	4.9	5.7	7.0
13.9	4.8	5.9	6.8	8.5
16.0	5.7	6.9	8.1	10.0
18.0	6.6	8.1	9.5	11.5
20.0	7.6	9.2	11.0	13.1
20.2**	7.6	9.3	11.1	13.1
22.1	8.5	10.6	12.4	14.6
24.1	9.6	11.8	13.9	16.1
26.2	10.6	13.2	15.4	17.7
28.2	11.6	14.6	16.9	19.2
30.3	12.9	16.1	18.3	20.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
11.9*	4.8	5.4	6.0	6.3
13.9	5.9	6.6	7.2	7.6
16.0	6.9	7.8	8.5	9.0
18.0	8.1	9.0	9.8	10.3
20.0	9.2	10.2	11.1	11.7
20.2**	9.3	10.3	11.2	11.8
22.1	10.4	11.5	12.5	13.1
24.1	11.6	12.8	13.8	14.5
26.2	12.9	14.2	15.3	16.0
28.2	14.1	15.6	16.7	17.4
30.3	15.4	17.0	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

**Andover CC MK 2 Queens Flight
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.9*	4.0	4.9	5.7	7.0
14.1	4.9	6.0	6.9	8.6
16.3	5.8	7.1	8.3	10.2
18.5	6.8	8.4	9.8	11.9
20.6	7.8	9.7	11.4	13.5
21.1**	8.0	10.0	11.7	13.8
22.8	8.9	11.1	13.0	15.2
25.0	10.0	12.4	14.6	16.8
27.2	11.1	13.9	16.2	18.5
29.4	12.4	15.5	17.7	20.1
31.6	13.6	17.3	19.3	21.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
11.9*	4.8	5.4	6.0	6.3
14.1	5.9	6.7	7.3	7.7
16.3	7.1	7.9	8.6	9.2
18.5	8.3	9.3	10.0	10.6
20.6	9.6	10.6	11.5	12.1
21.1**	9.8	10.9	11.8	12.4
22.8	10.8	12.0	13.0	13.6
25.0	12.2	13.4	14.5	15.2
27.2	13.5	14.9	16.0	16.7
29.4	14.9	16.4	17.6	18.3
31.6	16.3	17.9	19.1	19.9

* Minimum operating weight

** Maximum takeoff weight

ANDOVER HS-748

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
13.5*	4.7	5.5	6.2	7.4
16.1	5.7	6.9	7.7	9.3
18.8	6.8	8.2	9.2	11.3
21.4	7.9	9.5	10.8	13.2
24.1	9.1	11.1	12.6	15.2
24.9**	9.5	11.5	13.1	15.8
26.8	10.3	12.6	14.4	17.2
29.4	11.6	14.2	16.3	19.1
32.1	12.9	15.9	18.2	21.1
34.7	14.1	17.5	20.2	23
37.4	15.6	19.2	22.1	25

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
13.5*	5.3	5.9	6.5	7
16.1	6.6	7.4	8.1	8.6
18.8	7.9	8.9	9.7	10.2
21.4	9.3	10.4	11.3	12
24.1	10.7	12	13	13.7
24.9**	11.2	12.5	13.5	14.2
26.8	12.2	13.6	14.7	15.5
29.4	13.7	15.2	16.5	17.3
32.1	15.3	16.9	18.3	19.1
34.7	16.9	18.7	20.1	21
37.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AO/A-10-A Thunderbolt I

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.0*	11.0	10.8	10.8	10.8
14.5	13.3	13.0	13.1	13.1
17.0	15.7	15.3	15.3	15.3
19.6	18.0	17.6	17.6	17.6
22.1	20.3	19.8	19.9	19.9
23.1**	21.3	20.8	20.9	20.8
24.6	22.6	22.1	22.2	22.2
27.1	25.0	24.4	24.4	24.4
29.7	27.3	26.6	26.7	26.7
32.2	29.6	28.9	29.0	29.0
34.7	31.9	31.2	31.3	31.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.0*	10.8	10.9	10.9	10.8
14.5	13.1	13.2	13.2	13.1
17.0	15.4	15.6	15.6	15.4
19.6	17.7	17.9	17.9	17.7
22.1	20.0	20.2	20.2	20.0
23.1**	21.0	21.2	21.2	21.0
24.6	22.3	22.6	22.6	22.3
27.1	24.6	24.9	24.9	24.6
29.7	26.9	27.2	27.2	26.9
32.2	29.2	29.6	29.5	29.2
34.7	31.5	31.9	31.9	31.5

* Minimum operating weight

** Maximum takeoff weight

AT-38B Talon
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.8*	3.6	3.4	3.4	3.3
4.4	4.1	4.0	3.9	3.9
5.0	4.7	4.5	4.5	4.4
5.6	5.3	5.1	5.0	4.9
6.1	5.8	5.6	5.5	5.4
6.2**	5.8	5.6	5.5	5.5
6.8	6.4	6.2	6.1	6.0
7.4	7.0	6.7	6.6	6.5
8.0	7.5	7.3	7.2	7.1
8.6	8.1	7.8	7.7	7.6
9.2	8.7	8.4	8.2	8.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.8*	3.6	3.6	3.6	3.5
4.4	4.2	4.2	4.2	4.1
5.0	4.8	4.8	4.7	4.7
5.6	5.4	5.4	5.3	5.3
6.1	5.9	5.9	5.9	5.8
6.2**	6.0	6.0	5.9	5.8
6.8	6.5	6.6	6.5	6.4
7.4	7.1	7.1	7.1	7.0
8.0	7.7	7.7	7.7	7.6
8.6	8.3	8.3	8.3	8.1
9.2	8.9	8.9	8.9	8.7

* Minimum operating weight

** Maximum takeoff weight

Atlantic ATLA
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
30.8*	15.6	16	17.8	20.5
37.1	19.4	19.9	22.5	25.4
43.3	23.3	24.1	27.2	30.4
49.6	27.2	28.2	32.2	35.3
55.8	31.3	33.1	37.3	40.3
58.1**	32.7	34.8	39.1	42
62.1	35.4	38.2	42.3	45.2
68.3	39.8	43.3	47.4	50.2
74.6	45.1	48.4	52.4	55.2
80.8	50.1	53.7	57.5	60.1
87.1	54.9	58.9	62.5	65

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
30.8*	17.3	18.6	19.7	20.3
37.1	21.6	23.1	24.4	25.1
43.3	26	27.9	29.2	30.1
49.6	30.7	32.7	34.2	35.1
55.8	35.4	37.7	39.3	40.2
58.1**	37.1	39.5	41.2	42.1
62.1	40.3	42.7	44.5	45.5
68.3	45.2	47.9	49.9	50.8
74.6	50.3	53.2	55.2	56.2
80.8	55.5	58.6	60.7	61.7
87.1	60.8	64.1	66.3	67.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from P-3N ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

ATR 42
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
11.5*	5.6	6	6.6	7.8
13.3	6.7	7.1	8	9.2
15.1	7.8	8.3	9.5	10.6
17	9	9.6	11	11.9
18.6	10.1	10.8	12.3	13.2
18.8**	10.2	10.9	12.4	13.3
20.6	11.5	12.3	13.9	14.7
22.4	12.9	13.7	15.3	16.2
24.3	14.1	15.1	16.8	17.6
26.1	15.4	16.5	18.3	19
27.9	17	18	19.7	20.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
11.5*	6.4	6.9	7.2	7.5
13.3	7.6	8.2	8.6	8.9
15.1	8.9	9.5	10	10.3
17	10.2	10.9	11.4	11.8
18.6	11.4	12.2	12.7	13.1
18.8**	11.6	12.3	12.9	13.2
20.6	13	13.8	14.4	14.7
22.4	14.4	15.2	15.9	16.2
24.3	15.8	16.7	17.4	17.8
26.1	17.3	18.2	18.9	19.3
27.9	18.8	19.8	20.5	20.9

* Minimum operating weight

** Maximum takeoff weight

ATR 72
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
13.5*	6.8	7.2	8.2	9.3
15.8	8.2	8.6	10	11.1
18.1	9.7	10.4	11.9	12.8
20.4	11.3	12.1	13.7	14.6
22.7	13.1	13.9	15.5	16.4
22.8**	13.2	14	15.6	16.5
25	14.7	15.7	17.4	18.2
27.3	16.5	17.5	19.2	20
29.6	18.4	19.3	21.1	21.8
31.9	20.4	21.1	22.9	23.6
34.2	22.4	22.9	24.8	25.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
13.5*	7.7	8.3	8.7	9
15.8	9.4	10	10.5	10.8
18.1	11.1	11.8	12.3	12.7
20.4	12.8	13.6	14.2	14.5
22.7	14.6	15.4	16.1	16.5
22.8**	14.6	15.5	16.2	16.5
25	16.4	17.3	18	18.4
27.3	18.3	19.3	20	20.4
29.6	20.2	21.2	22	22.4
31.9	22.1	23.2	24	24.4
34.2	24.1	25.3	26.1	26.4

* Minimum operating weight

** Maximum takeoff weight

Aururo CP-140
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.8*	15.7	16.1	17.9	20.6
38.4	20.3	21	23.5	26.5
45.9	25.1	26.2	29.4	32.4
53.5	30	32	35.4	38.4
61	35.1	37.9	41.5	44.3
65.8**	38.9	41.8	45.3	48.1
68.5	40.4	44.1	47.5	50.3
76.1	46.8	50.4	53.6	56.2
83.6	52.8	56.6	59.8	62.2
91.1	59.1	62.9	65.9	68.1
98.7	65.4	69.3	72.1	74.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
30.8*	17.9	19.1	20.1	20.7
38.4	23.2	24.8	25.9	26.6
45.9	28.8	30.6	32	32.7
53.5	34.6	36.6	38.2	39
61	40.6	42.9	44.5	45.4
65.8**	44.5	46.9	48.6	49.5
68.5	46.7	49.2	51	51.9
76.1	53	55.8	57.7	58.5
83.6	59.5	62.4	64.4	65.2
91.1	66	69.3	71.3	72.1
98.7	72.8	76.1	78.2	78.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from P-3C ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AV-8 Harrier
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.7*	3.1	3.7	4.0	4.8
8.4	4.1	4.8	5.1	6.3
10.1	5.2	5.9	6.5	7.8
11.8	6.2	7.1	7.9	9.4
13.4	7.4	8.2	9.5	11.0
14.5**	8.1	9.2	10.6	12.0
15.1	8.5	9.6	11.1	12.6
16.8	9.7	10.9	12.7	14.2
18.4	11.0	12.4	14.2	15.8
20.1	12.2	13.9	15.8	17.5
21.8	13.7	15.4	17.4	19.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
6.7*	4.5	4.6	4.7	4.7
8.4	5.6	5.8	5.8	5.9
10.1	6.7	6.9	7.0	7.1
11.8	7.8	8.0	8.2	8.2
13.4	8.9	9.2	9.3	9.4
14.5**	9.6	9.9	10.1	10.2
15.1	10.0	10.3	10.5	10.6
16.8	11.1	11.4	11.6	11.8
18.4	12.2	12.5	12.8	13.0
20.1	13.3	13.7	14.0	14.2
21.8	14.3	14.8	15.2	15.5

* Minimum operating weight

** Maximum takeoff weight

B-1B Lancer
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
85.7*	19.7	20.7	23.2	30.1
112.3	27.1	29.1	33.1	44.8
138.8	35.7	38.4	45.3	60.8
165.3	44.6	48.6	59.0	76.9
191.9	53.9	59.6	73.9	93.4
216.4**	63.3	72.1	88.4	108.5
218.4	64.1	73.1	89.7	109.8
244.9	75.8	86.7	106.0	126.0
271.5	87.4	101.5	122.8	142.2
298.0	101.7	117.1	139.5	156.9
324.6	115.6	133.0	156.0	173.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
85.7*	19.7	22.4	26.1	29.7
112.3	27.5	32.0	37.5	42.6
138.8	36.1	42.8	50.2	56.7
165.3	45.7	54.6	64.0	71.6
191.9	56.3	67.4	78.6	87.3
216.4**	66.9	80.1	92.8	102.5
218.4	67.8	81.2	94.0	103.8
244.9	80.0	95.7	110.1	120.9
271.5	93.1	110.9	127.0	138.5
298.0	106.9	126.8	144.4	156.7
324.6	121.6	143.5	162.3	175.3

* Minimum operating weight

** Maximum takeoff weight

B-2 Spirit
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
49.9*	10.6	11.0	12.0	14.4
69.8	15.5	16.4	18.4	23.6
89.7	21.1	22.6	25.4	34.3
109.6	26.9	29.2	34.0	45.9
129.5	33.5	36.4	43.6	57.9
149.4**	40.3	44.1	54.1	69.8
152.6	41.5	45.4	56.0	71.8
169.3	47.4	53.4	65.5	82.0
189.2	54.8	62.8	77.3	94.1
209.1	63.7	72.8	89.5	106.2
229.0	72.0	84.0	101.8	118.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
49.9*	10.7	11.8	13.4	15.2
69.8	15.8	17.9	20.8	23.8
89.7	21.4	24.9	29.3	33.2
109.6	27.7	32.8	38.5	43.5
129.5	34.7	41.4	48.5	54.3
149.4**	42.3	50.6	59.0	65.7
152.6	43.6	52.2	60.8	67.6
169.3	50.5	60.5	70.1	77.6
189.2	59.3	70.9	81.7	90.0
209.1	68.6	81.8	93.8	102.7
229.0	78.5	93.2	106.3	115.8

* Minimum operating weight

** Maximum takeoff weight

B-52H Stratofortress

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
104.3*	27.6	29.2	32.2	39.2
129.6	35.9	38.4	42.9	51.9
154.9	45.3	48.4	54.3	65.7
180.2	54.5	58.9	66.3	79.8
205.5	64.9	70.1	79.9	94.5
221.4**	71.8	77.3	88.0	103.9
230.8	75.5	81.6	92.8	109.7
256.1	86.7	93.7	104.7	125.4
281.4	98.3	106.1	119.8	142.1
306.7	110.2	118.8	134.1	158.8
332.0	122.7	133.8	148.5	175.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
104.3*	36.1	40.5	45.2	49.4
129.6	47.9	53.9	60.1	65.3
154.9	60.6	68.3	76.0	82.2
180.2	74.2	83.6	92.7	99.8
205.5	88.6	99.7	110.2	118.2
221.4**	97.9	110.1	121.5	129.9
230.8	103.7	116.5	128.4	137.1
256.1	119.5	134.0	147.1	156.5
281.4	136.0	152.1	166.4	176.5
306.7	153.0	170.8	186.2	196.9
332.0	170.6	190.0	206.5	217.7

* Minimum operating weight

** Maximum takeoff weight

BAC 1-11 Series 40

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
48*	11.3	11.7	13	14.6
57.8	14	14.8	16.4	17.9
67.5	16.9	18.1	19.8	21.2
77.3	19.9	21.5	23.2	24.6
87	23.1	25	26.7	27.6
90.5**	24.3	26.3	27.9	28.8
96.8	26.4	28.6	30.2	31
106.5	29.7	32.2	33.6	34.4
116.3	33.8	35.8	37.1	37.7
126	37.5	39.3	40.6	41.1
135.8	41.1	42.9	44	44.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
48*	13.3	14	14.6	14.9
57.8	16.6	17.4	18.1	18.4
67.5	19.9	21	21.7	22
77.3	23.5	24.6	25.4	25.7
87	27.1	28.3	29.1	29.5
90.5**	28.4	29.7	30.5	30.8
96.8	30.8	32.1	33	33.3
106.5	34.6	36	36.9	37.2
116.3	38.4	39.9	40.8	41.1
126	42.4	43.9	44.8	45.1
135.8	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 300/400

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
48*	11.3	11.7	13	14.6
57.8	14	14.8	16.4	17.9
67.5	16.9	18.1	19.8	21.2
77.3	19.9	21.5	23.2	24.6
87	23.1	25	26.7	27.6
90.5**	24.3	26.3	27.9	28.8
96.8	26.4	28.6	30.2	31
106.5	29.7	32.2	33.6	34.4
116.3	33.8	35.8	37.1	37.7
126	37.5	39.3	40.6	41.1
135.8	41.1	42.9	44	44.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
48*	13.3	14	14.6	14.9
57.8	16.6	17.4	18.1	18.4
67.5	19.9	21	21.7	22
77.3	23.5	24.6	25.4	25.7
87	27.1	28.3	29.1	29.5
90.5**	28.4	29.7	30.5	30.8
96.8	30.8	32.1	33	33.3
106.5	34.6	36	36.9	37.2
116.3	38.4	39.9	40.8	41.1
126	42.4	43.9	44.8	45.1
135.8	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 475

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
48*	11.3	11.7	13	14.6
57.8	14	14.8	16.4	17.9
67.5	16.9	18.1	19.8	21.2
77.3	19.9	21.5	23.2	24.6
87	23.1	25	26.7	27.6
90.5**	24.3	26.3	27.9	28.8
96.8	26.4	28.6	30.2	31
106.5	29.7	32.2	33.6	34.4
116.3	33.8	35.8	37.1	37.7
126	37.5	39.3	40.6	41.1
135.8	41.1	42.9	44	44.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
48*	13.3	14	14.6	14.9
57.8	16.6	17.4	18.1	18.4
67.5	19.9	21	21.7	22
77.3	23.5	24.6	25.4	25.7
87	27.1	28.3	29.1	29.5
90.5**	28.4	29.7	30.5	30.8
96.8	30.8	32.1	33	33.3
106.5	34.6	36	36.9	37.2
116.3	38.4	39.9	40.8	41.1
126	42.4	43.9	44.8	45.1
135.8	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 500

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
28.2*	13.5	13.9	15.4	17.8
33.4	16.2	16.9	19.1	21.8
38.6	19.8	20.1	22.8	25.7
43.8	22.8	23.4	26.8	29.7
48.9	25.9	27.1	30.8	33.6
49.9**	26.5	27.8	31.5	34.3
54.1	29.1	30.8	34.8	37.6
59.3	32.6	34.7	38.8	41.5
64.5	36.1	38.7	42.8	45.5
69.7	39.7	42.5	46.8	49.5
74.8	43.4	46.5	50.9	53.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
28.2*	14.8	15.9	16.9	17.5
33.4	18.1	19.5	20.6	21.3
38.6	21.5	23.1	24.3	25.1
43.8	25	26.8	28.2	29.1
48.9	28.7	30.7	32.2	33.1
49.9**	29.4	31.5	32.9	33.8
54.1	32.4	34.6	36.2	37.1
59.3	36.2	38.6	40.3	41.3
64.5	40.1	42.7	44.5	45.5
69.7	44.1	46.8	48.8	49.7
74.8	48.2	51.1	53.1	54.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-9A/C NIGTHINGALE which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAE (HS) Hawk T MK1

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.5*	2.9	3.0	3.0	3.1
4.4	3.7	3.8	3.8	3.9
5.3	4.4	4.6	4.6	4.7
6.2	5.2	5.4	5.4	5.5
7.1	6.0	6.2	6.2	6.3
7.7**	6.5	6.8	6.7	6.9
8.0	6.7	7.0	7.0	7.1
8.9	7.5	7.8	7.7	7.9
9.8	8.3	8.6	8.5	8.7
10.7	9.0	9.3	9.3	9.5
11.6	9.8	10.1	10.1	10.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.5*	2.8	2.9	2.9	2.9
4.4	3.6	3.7	3.7	3.7
5.3	4.4	4.4	4.5	4.5
6.2	5.1	5.2	5.3	5.2
7.1	5.9	6.0	6.0	6.0
7.7**	6.4	6.6	6.6	6.6
8.0	6.6	6.8	6.8	6.8
8.9	7.4	7.5	7.6	7.6
9.8	8.2	8.3	8.4	8.4
10.7	8.9	9.1	9.1	9.1
11.6	9.7	9.8	9.9	9.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.3*	10.3	10.6	11.6	13.6
28.1	12.8	13.3	14.5	17.1
32.8	15.1	15.9	17.8	20.8
37.6	17.7	18.7	21.1	24.4
42.4	20.6	21.6	24.5	28.1
44.2**	21.7	22.7	25.8	29.5
47.2	23.4	24.6	28	31.8
52	26.2	27.8	31.7	35.4
56.8	29.2	31.1	35.4	39.1
61.6	32.1	34.4	39.2	42.7
66.3	35.2	37.8	42.9	46.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
23.3*	10.8	11.8	12.7	13.4
28.1	13.5	14.8	15.8	16.6
32.8	16.3	17.8	19	19.9
37.6	19.2	20.9	22.3	23.3
42.4	22.2	24.1	25.7	26.7
44.2**	23.3	25.4	27	28
47.2	25.2	27.4	29.1	30.3
52	28.4	30.8	32.7	33.8
56.8	31.6	34.2	36.2	37.5
61.6	34.9	37.7	39.9	41.2
66.3	38.2	41.3	43.5	44.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-300
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
24.4*	10.8	11.3	12.3	14.4
29.4	13.4	14	15.3	18.2
34.4	15.8	16.8	18.8	22
39.4	18.7	19.7	22.3	25.8
44.4	21.8	22.8	25.9	29.6
46.3**	22.9	24	27.3	31.1
49.4	24.7	25.9	29.7	33.5
54.4	27.7	29.5	33.6	37.3
59.4	30.8	32.9	37.5	41.1
64.4	34	36.4	41.5	44.9
69.5	37.2	40	45.4	48.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
24.4*	11.4	12.5	13.4	14.1
29.4	14.3	15.6	16.7	17.5
34.4	17.2	18.8	20.1	21
39.4	20.3	22.1	23.6	24.5
44.4	23.4	25.5	27.1	28.2
46.3**	24.7	26.8	28.5	29.6
49.4	26.7	28.9	30.8	31.9
54.4	30	32.5	34.5	35.7
59.4	33.4	36.1	38.2	39.5
64.4	36.9	39.8	42.1	43.4
69.5	40.5	43.6	46	47.3

* Minimum operating weight

** Maximum takeoff weight

BAE Buccaneer S MK 2A & 3B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
14.0*	14.0	13.5	13.3	13.1
16.9	16.8	16.3	16.1	15.9
19.9	19.7	19.2	18.9	18.6
22.8	22.6	22.0	21.7	21.4
25.7	25.5	24.8	24.5	24.1
26.9**	26.7	26.0	25.6	25.2
28.7	28.4	27.6	27.2	26.9
31.6	31.3	30.5	30.0	29.6
34.5	34.3	33.3	32.8	32.4
37.4	37.2	36.1	35.6	35.1
40.4	40.1	38.9	38.4	37.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
14.0*	14.4	14.4	14.3	14.1
16.9	17.5	17.5	17.3	17.0
19.9	20.6	20.6	20.4	20.0
22.8	23.6	23.6	23.4	23.0
25.7	26.7	26.7	26.4	26.0
26.9**	28.0	28.0	27.7	27.2
28.7	29.8	29.8	29.5	28.9
31.6	32.9	32.9	32.5	31.9
34.5	36.0	36.0	35.6	34.9
37.4	39.1	39.1	38.6	37.9
40.4	42.2	42.2	41.7	40.9

* Minimum operating weight

** Maximum takeoff weight

BAE Jetstream T MK3
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.2*	2.4	2.9	3.4	3.6
4.9	2.8	3.4	3.9	4.2
5.6	3.2	3.9	4.5	4.7
6.3	3.6	4.4	5.0	5.3
6.9	4.0	4.8	5.6	5.9
7.0**	4.0	4.8	5.6	5.9
7.7	4.4	5.3	6.1	6.5
8.4	4.8	5.8	6.7	7.1
9.0	5.2	6.3	7.2	7.6
9.7	5.6	6.7	7.8	8.2
10.4	6.0	7.2	8.3	8.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.2*	2.8	3.0	3.0	3.1
4.9	3.3	3.4	3.5	3.6
5.6	3.7	3.9	4.0	4.1
6.3	4.2	4.4	4.5	4.6
6.9	4.6	4.8	5.0	5.1
7.0**	4.6	4.9	5.0	5.1
7.7	5.1	5.3	5.5	5.6
8.4	5.5	5.8	6.0	6.1
9.0	6.0	6.3	6.5	6.6
9.7	6.4	6.7	7.0	7.1
10.4	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

BAE Nimrod R MK1-MR MK2

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
41.4*	11.1	11.9	13.7	16.1
51.4	14.1	16.0	18.1	21.2
61.3	18.2	20.4	22.8	26.5
71.3	22.2	24.9	27.6	32.5
81.2	27.2	29.5	32.6	38.5
87.3**	30.0	32.4	35.7	42.3
91.2	31.8	34.3	37.7	44.7
101.1	36.7	39.2	43.1	50.9
111.0	41.7	44.3	48.5	57.1
121.0	46.7	49.4	54.1	63.4
130.9	51.8	54.8	59.9	69.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
41.4*	12.1	13.7	15.7	17.4
51.4	16.0	18.4	21.0	23.2
61.3	20.4	23.6	26.7	29.2
71.3	25.2	29.1	32.7	35.6
81.2	30.4	34.9	39.1	42.3
87.3**	33.7	38.7	43.2	46.5
91.2	35.9	41.1	45.8	49.2
101.1	41.7	47.6	52.7	56.3
111.0	47.9	54.4	59.9	63.7
121.0	54.4	61.4	67.3	71.3
130.9	61.1	68.7	75.0	79.2

* Minimum operating weight

** Maximum takeoff weight

BAE Pembroke C MK1

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.6*	1.1	1.5	2.0	2.4
5.1	1.2	1.7	2.2	2.8
5.6	1.4	1.9	2.5	3.1
6.1	1.5	2.1	2.8	3.4
6.1	1.5	2.1	2.8	3.4
6.6**	1.7	2.3	3.1	3.8
7.2	1.8	2.5	3.4	4.1
7.7	2.0	2.7	3.7	4.5
8.2	2.2	3.0	4.1	4.8
8.7	2.4	3.2	4.4	5.2
9.2	2.6	3.5	4.7	5.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.6*	1.6	1.9	2.0	2.2
5.1	1.9	2.1	2.3	2.5
5.6	2.1	2.4	2.6	2.8
6.1	2.3	2.6	2.9	3.1
6.1	2.3	2.6	2.9	3.1
6.6**	2.6	2.9	3.2	3.4
7.2	2.8	3.2	3.5	3.7
7.7	3.1	3.4	3.8	4.0
8.2	3.3	3.7	4.1	4.3
8.7	3.6	4.0	4.4	4.6
9.2	3.9	4.3	4.7	4.9

* Minimum operating weight

** Maximum takeoff weight

BAE146-100
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.2*	9.2	9.5	10.4	12.1
25.1	11.3	11.7	12.7	14.9
29.0	13.2	13.7	15.1	17.8
32.9	15.1	15.9	17.8	20.8
36.8	17.2	18.1	20.5	23.8
37.5**	17.6	18.6	21.0	24.3
40.7	19.5	20.5	23.2	26.8
44.6	21.9	22.9	26.0	29.8
48.5	24.1	25.3	29.0	32.7
52.4	26.5	28.1	32.0	35.7
56.3	28.9	30.7	35.0	38.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
21.2*	9.7	10.6	11.4	12.0
25.1	11.8	12.9	13.9	14.6
29.0	14.0	15.3	16.4	17.2
32.9	16.3	17.8	19.0	19.9
36.8	18.7	20.3	21.7	22.7
37.5**	19.1	20.8	22.2	23.2
40.7	21.1	22.9	24.5	25.4
44.6	23.5	25.6	27.2	28.3
48.5	26.1	28.3	30.1	31.2
52.4	28.6	31.0	32.9	34.1
56.3	31.2	33.8	35.8	37.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-120B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
57.8*	12.6	12.9	14.5	18.1
70.9	15.7	16.4	18.9	24.2
83.9	19.3	20.5	23.6	30.8
96.9	23.1	24.6	28.6	37.7
110.0	26.8	29.2	34.6	45.0
116.7**	28.9	31.5	37.6	49.0
123.0	30.8	33.9	40.6	52.7
136.0	34.9	39.0	47.1	60.6
149.0	39.9	44.3	53.7	68.5
162.1	44.5	49.7	60.6	76.5
175.1	49.4	55.5	67.7	84.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
57.8*	11.9	13.2	15.3	17.6
70.9	14.9	17.0	20.0	23.2
83.9	18.2	21.2	25.2	29.0
96.9	21.8	25.8	30.8	35.3
110.0	25.6	30.6	36.6	41.9
116.7**	27.6	33.3	39.7	45.5
123.0	29.6	35.8	42.8	48.8
136.0	33.9	41.3	49.2	55.9
149.0	38.6	47.1	55.9	63.2
162.1	43.5	53.1	62.9	70.8
175.1	48.5	59.4	70.1	78.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
64.8*	14.0	14.6	16.4	20.6
82.3	18.6	19.5	22.4	29.2
99.8	23.4	25.2	29.0	38.2
117.3	28.5	31.2	36.8	48.1
134.9	33.9	37.5	45.1	58.5
148.3**	38.7	43.0	51.9	66.5
152.4	40.1	44.6	53.9	68.9
169.9	46.3	51.8	63.1	79.5
187.4	53.0	60.3	72.7	90.2
205.0	59.9	68.9	82.5	100.9
222.5	67.0	77.8	92.8	111.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
64.8*	13.5	15.1	17.5	20.2
82.3	17.8	20.5	24.2	27.8
99.8	22.5	26.5	31.5	36.1
117.3	27.7	33.1	39.4	45.0
134.9	33.4	40.2	47.8	54.3
148.3**	38.0	46.1	54.6	61.6
152.4	39.5	47.9	56.7	63.9
169.9	46.1	56.0	66.1	74.0
187.4	53.0	64.5	75.7	84.5
205.0	60.4	73.4	85.8	95.3
222.5	68.3	82.9	96.2	106.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320C

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
61.4*	13.4	13.9	15.6	19.5
79.8	18.2	19.1	21.9	28.5
98.2	23.3	25.1	29.0	38.1
116.6	28.9	31.6	37.3	48.7
135.0	34.6	38.4	46.2	59.7
151.3**	40.5	45.1	54.5	69.6
153.4	41.3	46.0	55.6	70.9
171.8	47.9	53.7	65.5	82.3
190.2	55.2	63.0	75.7	93.6
208.6	62.5	72.3	86.4	104.9
227.0	70.4	81.8	97.4	116.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
61.4*	12.9	14.4	16.7	19.2
79.8	17.5	20.1	23.7	27.2
98.2	22.5	26.5	31.4	36.0
116.6	28.0	33.5	39.8	45.5
135.0	34.0	41.1	48.9	55.4
151.3**	39.9	48.5	57.3	64.6
153.4	40.7	49.4	58.4	65.8
171.8	47.8	58.1	68.4	76.7
190.2	55.3	67.3	78.9	87.9
208.6	63.4	77.1	89.8	99.5
227.0	71.9	87.1	101.1	111.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-420
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
72.0*	15.5	16.1	18.4	23.7
87.6	19.5	20.5	23.8	31.3
103.2	23.8	25.6	29.8	39.5
118.8	28.4	30.7	36.8	48.1
134.3	32.9	36.4	44.0	57.1
141.5**	35.2	39.2	47.5	61.4
149.9	38.4	42.5	51.6	66.4
165.5	43.6	48.7	59.7	75.6
181.1	49.3	56.1	67.9	85.0
196.7	55.1	63.5	76.4	94.4
212.3	61.1	71.1	85.1	103.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
72.0*	14.4	16.4	19.3	22.4
87.6	18.1	21.2	25.2	29.2
103.2	22.2	26.4	31.7	36.5
118.8	26.5	32.1	38.5	44.2
134.3	31.3	38.1	45.7	52.2
141.5**	33.6	41.1	49.2	56.0
149.9	36.4	44.7	53.3	60.6
165.5	41.9	51.5	61.4	69.3
181.1	47.7	58.7	69.6	78.2
196.7	53.8	66.2	78.2	87.5
212.3	60.2	74.2	87.1	96.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 717-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
31.1*	15.8	16.1	18.0	20.7
36.8	19.2	19.7	22.2	25.2
42.5	22.8	23.4	26.6	29.8
48.2	26.4	27.2	31.1	34.2
53.9	30.0	31.7	35.6	38.7
54.9**	30.7	32.4	36.5	39.5
59.6	33.8	35.8	40.3	43.2
65.2	37.7	40.5	44.9	47.8
70.9	41.7	45.4	49.6	52.3
76.6	45.9	50.2	54.2	56.9
82.3	51.1	54.7	58.8	61.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, Mpa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
31.1*	17.3	18.7	19.7	20.4
36.8	21.2	22.8	24.0	24.8
42.5	25.2	27.0	28.4	29.2
48.2	29.4	31.4	32.9	33.8
53.9	33.6	35.9	37.5	38.5
54.9**	34.4	36.7	38.4	39.3
59.6	38.0	40.4	42.2	43.2
65.2	42.4	45.1	47.0	48.0
70.9	47.0	49.9	51.9	52.9
76.6	51.6	54.7	56.8	57.8
82.3	56.4	59.6	61.8	62.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 720
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
50.3*	11.1	11.3	12.8	16.4
62.0	14.1	14.6	16.9	22.2
73.8	17.4	18.4	21.4	28.6
85.5	20.8	22.2	26.7	35.4
97.3	24.4	26.2	32.1	42.6
104.0**	26.5	28.9	35.4	46.7
109.0	28.2	30.9	38.0	49.7
120.8	32.0	35.7	44.2	57.0
132.5	36.6	40.7	50.6	64.3
144.3	41.0	46.7	57.4	71.5
156.0	45.4	52.7	64.2	79.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
50.3*	10.0	11.4	13.5	15.7
62.0	12.7	15.0	17.9	20.9
73.8	15.7	18.9	22.8	26.5
85.5	19.0	23.2	28.0	32.4
97.3	22.6	27.8	33.6	38.6
104.0**	24.8	30.7	37.0	42.2
109.0	26.5	32.8	39.5	45.0
120.8	30.7	38.0	45.6	51.8
132.5	35.0	43.6	52.0	58.7
144.3	39.8	49.4	58.7	65.8
156.0	44.7	55.4	65.5	73.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 720B
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
52.2*	11.3	11.6	13.1	16.8
64.1	14.3	14.8	17.2	22.6
76.0	17.6	18.6	21.6	29.0
87.9	21.0	22.4	26.9	35.7
99.8	24.5	26.4	32.3	42.8
106.3**	26.5	28.9	35.4	46.7
111.8	28.3	31.1	38.2	49.9
123.7	32.1	35.8	44.4	57.1
135.6	36.7	40.7	50.7	64.4
147.5	41.1	46.7	57.5	71.6
159.4	45.4	52.7	64.2	79.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
52.2*	10.1	11.6	13.8	16.1
64.1	12.9	15.2	18.2	21.2
76.0	15.9	19.1	23.1	26.8
87.9	19.2	23.4	28.3	32.7
99.8	22.8	28.0	33.8	38.8
106.3**	24.8	30.7	37.0	42.2
111.8	26.6	32.9	39.7	45.2
123.7	30.7	38.2	45.7	51.9
135.6	35.1	43.7	52.1	58.8
147.5	39.8	49.4	58.7	65.9
159.4	44.7	55.4	65.6	73.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-100/100C

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
39.8*	19.6	19.7	21.7	24.9
48.1	24.3	24.6	27.3	31.5
56.5	29.0	29.6	33.3	38.1
64.9	34.0	34.9	39.5	44.8
73.2	39.3	40.4	45.9	51.4
76.7**	41.5	43.2	48.7	54.1
81.6	44.6	46.7	52.6	57.9
89.9	50.0	52.6	59.3	64.5
98.3	55.3	58.6	66.1	71.2
106.6	61.0	65.2	72.9	77.9
115.0	66.8	72.3	79.7	84.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
39.8*	20.5	22.2	23.7	24.7
48.1	25.7	27.8	29.6	30.8
56.5	31.1	33.6	35.7	37.0
64.9	36.7	39.6	41.9	43.4
73.2	42.4	45.8	48.3	49.9
76.7**	44.9	48.4	51.0	52.6
81.6	48.4	52.1	54.9	56.5
89.9	54.5	58.5	61.6	63.3
98.3	60.7	65.1	68.3	70.1
106.6	67.1	71.8	75.3	77.1
115.0	73.5	78.6	82.3	84.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
46.0*	23.1	23.6	25.7	29.4
56.7	29.1	30.0	33.1	37.8
67.5	35.7	37.4	41.1	46.2
78.2	42.3	45.0	49.4	54.5
88.9	50.0	52.8	57.9	62.9
95.0**	53.5	57.2	62.9	67.7
99.6	56.7	60.7	66.5	71.3
110.4	64.9	69.2	75.1	79.8
121.1	72.6	78.0	83.8	88.3
131.8	80.7	86.9	92.5	96.8
142.5	88.9	95.9	101.3	105.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
46.0*	25.7	27.5	29.0	29.9
56.7	32.9	35.2	37.0	38.1
67.5	40.5	43.2	45.3	46.5
78.2	48.3	51.4	53.8	55.1
88.9	56.4	59.9	62.5	63.8
95.0**	61.1	64.8	67.5	68.9
99.6	64.7	68.6	71.4	72.8
110.4	73.1	77.5	80.5	81.9
121.1	81.9	86.5	89.7	91.1
131.8	90.8	95.8	99.1	100.6
142.5	99.8	105.2	108.7	110.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 7

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
43.1*	21.3	21.7	23.6	26.9
51.7	26.1	26.7	29.4	33.7
60.4	31.1	32.5	35.5	40.4
69.0	36.3	38.1	41.9	47.0
77.6	41.6	44.2	48.6	53.7
80.5**	43.4	46.3	50.8	56.0
86.3	47.2	50.4	55.4	60.4
94.9	53.0	56.7	62.2	67.1
103.5	59.6	63.2	69.1	73.8
112.1	65.7	70.0	76.0	80.6
120.8	71.8	77.1	82.9	87.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
43.1*	23.6	25.3	26.7	27.6
51.7	29.3	31.3	33.0	34.0
60.4	35.2	37.6	39.5	40.6
69.0	41.3	44.0	46.1	47.3
77.6	47.5	50.6	52.9	54.2
80.5**	49.6	52.8	55.2	56.6
86.3	53.9	57.3	59.9	61.2
94.9	60.5	64.2	66.9	68.3
103.5	67.2	71.2	74.1	75.5
112.1	74.0	78.4	81.4	82.8
120.8	81.0	85.6	88.7	90.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 8

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.1*	21.5	21.9	23.3	27.0
52.0	26.5	27.3	29.6	33.9
61.0	31.9	32.9	35.9	40.9
69.9	37.3	39.1	42.7	47.9
78.9	42.9	45.3	49.7	54.9
82.4**	45.1	47.8	52.5	57.7
87.8	48.7	51.8	56.8	62.0
96.8	54.6	58.5	64.0	69.0
105.7	60.7	65.4	71.2	76.0
114.7	67.9	72.6	78.3	82.9
123.6	74.3	79.8	85.6	89.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
43.1*	24.5	26.0	27.3	28.2
52.0	30.5	32.5	34.0	34.9
61.0	36.8	39.1	40.9	41.9
69.9	43.3	46.0	47.9	49.0
78.9	50.0	53.0	55.1	56.3
82.4**	52.7	55.8	58.0	59.2
87.8	56.9	60.1	62.5	63.7
96.8	63.8	67.4	70.0	71.2
105.7	71.0	74.9	77.5	78.7
114.7	78.3	82.4	85.2	86.5
123.6	85.7	90.1	93.1	94.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 9

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.1*	21.8	22.3	23.6	27.3
53.1	27.6	28.3	30.6	35.2
63.0	33.6	34.6	38.0	43.1
73.0	39.8	41.8	45.7	50.9
83.0	46.1	49.1	53.6	58.7
88.5**	49.7	53.2	58.1	63.1
92.9	53.4	56.5	61.7	66.6
102.9	60.5	64.1	69.8	74.4
112.9	67.6	72.1	77.9	82.1
122.8	74.8	80.4	85.9	90.0
132.8	82.5	88.7	94.0	97.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
43.1*	24.7	26.3	27.6	28.5
53.1	31.6	33.6	35.1	36.1
63.0	38.7	41.1	42.9	44.0
73.0	46.1	48.9	50.9	52.0
83.0	53.7	56.8	59.1	60.3
88.5**	58.1	61.4	63.8	65.0
92.9	61.5	65.0	67.5	68.7
102.9	69.6	73.4	76.0	77.1
112.9	77.7	81.8	84.6	85.8
122.8	86.1	90.5	93.5	94.6
132.8	94.6	99.3	102.3	103.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 10

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
72.6*	39.7	41.8	45.6	50.7
79.5	44.2	46.8	51.1	56.1
86.4	48.7	52.0	56.7	61.6
90.0	51.1	54.6	59.6	64.4
93.4	53.5	57.2	62.4	67.0
100.3**	58.3	62.5	68.0	72.6
107.3	63.9	67.9	73.6	78.0
114.2	69.0	73.6	79.3	83.5
121.1	74.0	79.4	84.9	89.0
128.1	79.3	85.2	90.6	94.4
135.0	84.7	91.0	96.2	99.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
72.6*	46.2	49.0	51.0	52.0
79.5	51.5	54.5	56.7	57.8
86.4	57.0	60.2	62.5	63.6
90.0	59.8	63.1	65.5	66.6
93.4	62.5	65.9	68.4	69.5
100.3**	68.1	71.8	74.3	75.5
107.3	73.8	77.7	80.3	81.5
114.2	79.6	83.7	86.4	87.6
121.1	85.4	89.7	92.6	93.8
128.1	91.4	95.9	98.8	99.9
135.0	97.4	102.1	105.1	106.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-100
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.1*	12.9	13.1	14.1	16.3
33.3	15.4	15.8	17.4	20.1
38.5	18.3	18.7	20.8	24.0
43.7	21.2	21.7	24.3	28.0
48.9	24.2	24.7	27.9	31.9
49.9**	24.8	25.4	28.7	32.7
54.1	27.5	28.0	31.6	35.9
59.3	30.5	31.2	35.5	39.9
64.5	33.5	34.9	39.5	43.8
69.7	36.7	38.4	43.5	47.8
74.8	39.9	42.0	47.6	51.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
28.1*	13.5	14.7	15.7	16.4
33.3	16.5	17.9	19.1	19.9
38.5	19.6	21.2	22.6	23.5
43.7	22.8	24.6	26.2	27.2
48.9	26.1	28.2	29.8	31.0
49.9**	26.7	28.8	30.6	31.7
54.1	29.4	31.7	33.6	34.8
59.3	32.8	35.4	37.4	38.6
64.5	36.4	39.1	41.3	42.6
69.7	39.9	42.9	45.2	46.6
74.8	43.5	46.8	49.2	50.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
24.9*	11.2	11.3	12.1	13.8
30.8	14.0	14.4	15.7	18.0
36.8	17.0	17.5	19.4	22.5
42.7	20.4	20.9	23.3	26.9
48.6	23.9	24.3	27.4	31.4
52.2**	26.0	26.5	29.9	34.1
54.5	27.4	27.9	31.6	35.9
60.5	30.8	31.6	36.0	40.4
66.4	34.3	35.8	40.6	44.9
72.3	38.0	39.8	45.1	49.4
78.2	41.6	43.9	49.6	53.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
24.9*	11.6	12.6	13.5	14.1
30.8	14.9	16.2	17.3	18.0
36.8	18.4	19.9	21.2	22.1
42.7	21.9	23.7	25.2	26.2
48.6	25.6	27.7	29.4	30.4
52.2**	27.9	30.1	31.9	33.0
54.5	29.4	31.7	33.6	34.8
60.5	33.3	35.9	37.9	39.2
66.4	37.3	40.2	42.3	43.6
72.3	41.4	44.5	46.8	48.2
78.2	45.5	48.9	51.4	52.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200ADV/-200C/-200QC

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.6*	14.0	14.1	15.2	17.5
36.0	17.2	17.6	19.4	22.3
42.4	20.8	21.3	23.6	27.2
48.8	24.4	25.0	28.0	32.0
55.2	28.1	28.8	32.7	36.9
58.1**	29.7	31.1	34.9	39.2
61.6	31.9	33.6	37.5	41.8
68.0	35.8	38.2	42.5	46.7
74.4	39.9	42.5	47.4	51.5
80.8	44.1	47.1	52.4	56.3
87.2	48.3	52.1	57.4	61.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
29.6*	15.1	16.2	17.2	17.9
36.0	19.0	20.4	21.6	22.4
42.4	23.0	24.7	26.1	27.0
48.8	27.2	29.2	30.8	31.7
55.2	31.6	33.8	35.5	36.6
58.1**	33.6	35.9	37.7	38.8
61.6	36.0	38.5	40.4	41.5
68.0	40.5	43.3	45.3	46.5
74.4	45.2	48.1	50.3	51.6
80.8	49.9	53.1	55.5	56.7
87.2	54.7	58.2	60.6	61.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-300
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
32.9*	15.4	15.8	17.0	19.7
39.8	19.3	19.8	21.6	24.8
46.7	23.2	23.9	26.3	30.0
53.6	27.1	28.3	31.2	35.2
60.5	31.1	32.9	36.2	40.4
63.3**	32.8	34.9	38.4	42.6
67.4	35.4	37.7	41.5	45.6
74.2	39.8	42.6	46.8	50.8
81.1	44.9	47.5	52.1	56.0
88.0	48.9	52.6	57.4	61.2
94.9	54.1	58.0	62.8	66.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
32.9*	17.4	18.6	19.6	20.3
39.8	21.7	23.2	24.4	25.2
46.7	26.3	28.0	29.4	30.3
53.6	30.9	33.0	34.6	35.5
60.5	35.7	38.0	39.8	40.8
63.3**	37.7	40.1	42.0	43.0
67.4	40.7	43.2	45.1	46.2
74.2	45.7	48.5	50.6	51.6
81.1	50.9	53.9	56.1	57.2
88.0	56.1	59.4	61.7	62.8
94.9	61.5	65.0	67.4	68.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-400
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
38.7*	19.4	19.9	21.7	24.9
45.7	23.5	24.1	26.6	30.4
52.7	27.6	28.9	31.8	35.9
59.8	31.9	33.8	37.2	41.4
66.8	36.5	38.9	42.8	46.9
68.0**	37.3	39.8	43.7	47.8
73.9	41.1	44.0	48.3	52.4
80.9	45.9	49.3	54.0	57.8
88.0	50.7	54.8	59.6	63.3
95.0	56.4	60.5	65.3	68.8
102.1	61.7	66.4	70.9	74.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
38.7*	21.8	23.3	24.5	25.3
45.7	26.6	28.4	29.8	30.7
52.7	31.6	33.7	35.2	36.2
59.8	36.7	39.0	40.8	41.8
66.8	41.9	44.5	46.5	47.5
68.0**	42.8	45.5	47.5	48.5
73.9	47.3	50.2	52.2	53.3
80.9	52.8	55.9	58.1	59.2
88.0	58.4	61.7	64.1	65.2
95.0	64.1	67.7	70.1	71.2
102.1	69.9	73.7	76.2	77.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-500
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
31.3*	14.9	15.1	16.4	18.8
38.1	18.4	18.9	20.9	24.0
44.9	22.3	23.0	25.5	29.2
51.7	26.4	27.6	30.4	34.4
58.5	30.5	31.6	35.4	39.6
61.7**	32.3	34.2	37.9	42.1
65.3	34.6	36.7	40.7	44.9
72.1	38.9	41.6	45.9	50.1
78.9	43.4	46.6	51.2	55.3
85.7	47.9	51.8	56.5	60.5
92.5	53.1	57.1	61.8	65.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
31.3*	16.5	17.7	18.7	19.4
38.1	20.8	22.3	23.5	24.3
44.9	25.3	27.0	28.4	29.3
51.7	29.9	31.9	33.5	34.5
58.5	34.6	36.9	38.7	39.7
61.7**	36.9	39.3	41.2	42.2
65.3	39.5	42.1	44.0	45.1
72.1	44.5	47.3	49.4	50.5
78.9	49.6	52.7	54.9	56.1
85.7	54.8	58.1	60.5	61.7
92.5	60.2	63.7	66.1	67.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-600
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.4*	17.1	17.4	18.6	21.4
43.3	20.9	21.4	23.1	26.5
50.1	24.7	25.3	27.7	31.7
57.0	28.5	29.3	32.3	37.0
63.9	32.5	34.0	37.2	42.2
65.5**	33.5	35.1	38.4	43.4
70.8	36.6	38.5	42.3	47.4
77.7	40.8	43.2	47.5	52.6
84.6	45.0	48.1	52.8	57.9
91.4	50.2	53.0	58.1	63.1
98.3	54.1	57.9	63.5	68.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
36.4*	19.0	20.3	21.5	22.2
43.3	23.2	24.9	26.2	27.1
50.1	27.6	29.6	31.1	32.1
57.0	32.2	34.4	36.1	37.2
63.9	36.8	39.3	41.3	42.4
65.5**	38.0	40.5	42.5	43.7
70.8	41.6	44.4	46.5	47.7
77.7	46.5	49.5	51.8	53.1
84.6	51.5	54.8	57.2	58.6
91.4	56.5	60.1	62.7	64.1
98.3	61.7	65.5	68.2	69.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-700/700C

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	17.7	18.1	19.4	22.3
45.2	22.0	22.5	24.4	27.9
52.6	26.1	26.7	29.4	33.6
60.1	30.3	31.6	34.5	39.4
67.6	34.8	36.4	40.0	45.1
70.1**	36.2	38.0	41.8	46.9
75.1	39.3	41.5	45.6	50.7
82.6	43.8	46.7	51.3	56.4
90.1	49.3	52.1	57.1	62.2
97.6	53.7	57.4	63.0	67.9
105.1	59.3	63.0	68.9	73.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	19.8	21.1	22.3	23.1
45.2	24.4	26.1	27.6	28.5
52.6	29.3	31.3	32.9	34.0
60.1	34.3	36.6	38.5	39.6
67.6	39.4	42.1	44.1	45.3
70.1**	41.1	43.9	46.0	47.2
75.1	44.7	47.6	49.9	51.1
82.6	50.1	53.3	55.7	57.1
90.1	55.6	59.1	61.7	63.0
97.6	61.2	65.0	67.7	69.1
105.1	67.0	71.0	73.8	75.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-800
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
41.4*	20.4	20.8	22.5	25.7
50.0	25.2	25.8	28.2	32.4
58.6	30.1	31.3	34.2	39.1
67.1	35.3	37.0	40.6	45.7
75.7	40.5	42.9	47.2	52.3
79.0**	42.5	45.3	49.8	54.9
84.3	45.9	49.1	53.9	59.0
92.8	52.3	55.3	60.7	65.7
101.4	57.5	61.7	67.6	72.3
110.0	64.3	68.4	74.4	79.1
118.5	70.3	75.4	81.3	85.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
41.4*	22.6	24.2	25.5	26.4
50.0	28.2	30.2	31.7	32.8
58.6	34.0	36.3	38.2	39.3
67.1	40.0	42.7	44.8	45.9
75.7	46.2	49.2	51.5	52.8
79.0**	48.6	51.8	54.2	55.5
84.3	52.5	55.9	58.4	59.7
92.8	59.0	62.7	65.3	66.7
101.4	65.7	69.6	72.5	73.9
110.0	72.4	76.7	79.7	81.1
118.5	79.3	83.9	87.0	88.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
42.9*	21.2	21.7	23.5	26.9
51.3	25.9	26.5	29.2	33.4
59.7	30.7	32.1	35.1	40.0
68.1	35.9	37.6	41.3	46.5
76.5	41.0	43.5	47.8	53.0
79.0**	42.6	45.3	49.8	54.9
84.9	46.4	49.6	54.4	59.5
93.3	52.1	55.7	61.1	66.0
101.7	57.8	62.0	67.9	72.6
110.1	64.4	68.6	74.6	79.2
118.5	70.3	75.5	81.3	85.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
42.9*	23.6	25.2	26.6	27.5
51.3	29.1	31.1	32.7	33.8
59.7	34.8	37.2	39.1	40.2
68.1	40.7	43.5	45.5	46.7
76.5	46.8	49.9	52.2	53.5
79.0**	48.7	51.8	54.2	55.5
84.9	53.0	56.4	58.9	60.3
93.3	59.4	63.1	65.8	67.1
101.7	66.0	69.9	72.8	74.2
110.1	72.6	76.9	79.9	81.3
118.5	79.4	83.9	87.0	88.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900ER

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.7*	22.7	23.2	24.7	28.7
53.9	28.0	28.8	31.3	35.9
63.1	33.6	34.8	38.1	43.2
72.4	39.5	41.3	45.3	50.6
81.6	45.3	48.0	52.7	57.9
85.1**	47.6	50.7	55.6	60.7
90.8	51.4	54.9	60.2	65.3
100.0	57.7	61.9	67.7	72.6
109.3	65.0	69.3	75.1	79.8
118.5	71.8	76.9	82.7	87.1
127.7	78.8	84.6	90.2	94.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
44.7*	25.6	27.3	28.7	29.5
53.9	31.9	34.0	35.6	36.6
63.1	38.5	40.9	42.8	43.9
72.4	45.3	48.1	50.2	51.4
81.6	52.3	55.4	57.7	59.0
85.1**	55.0	58.3	60.7	61.9
90.8	59.4	62.9	65.4	66.7
100.0	66.8	70.6	73.2	74.5
109.3	74.2	78.3	81.2	82.5
118.5	81.9	86.3	89.3	90.6
127.7	89.7	94.4	97.4	98.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
45.4*	22.0	22.6	24.5	28.1
53.3	26.4	27.1	29.8	34.1
61.2	30.9	32.3	35.3	40.2
69.1	35.6	37.4	41.1	46.2
77.1	40.4	42.8	47.1	52.2
77.8**	40.8	43.3	47.6	52.8
85.0	45.3	48.4	53.2	58.3
92.9	51.2	54.0	59.3	64.3
100.8	55.8	59.8	65.5	70.3
108.8	61.8	65.7	71.7	76.4
116.7	67.3	72.0	77.9	82.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
45.4*	24.5	26.3	27.7	28.6
53.3	29.7	31.7	33.4	34.4
61.2	35.0	37.4	39.3	40.4
69.1	40.4	43.2	45.2	46.4
77.1	46.0	49.0	51.3	52.6
77.8**	46.6	49.6	51.9	53.2
85.0	51.7	55.1	57.6	58.9
92.9	57.6	61.3	63.9	65.2
100.8	63.6	67.5	70.3	71.7
108.8	69.7	73.9	76.8	78.3
116.7	75.9	80.4	83.4	84.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ2
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.0*	21.8	22.3	24.2	27.7
52.3	26.4	27.1	29.8	34.2
60.6	31.2	32.6	35.7	40.6
68.8	36.3	38.1	41.9	47.0
77.1	41.3	43.9	48.3	53.4
79.0**	42.5	45.3	49.8	54.9
85.4	46.7	49.9	54.8	59.9
93.7	52.9	55.9	61.4	66.3
102.0	57.9	62.1	68.0	72.7
110.2	64.4	68.6	74.6	79.2
118.5	70.2	75.4	81.2	85.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
44.0*	24.2	25.9	27.4	28.3
52.3	29.7	31.7	33.4	34.5
60.6	35.3	37.7	39.7	40.8
68.8	41.2	43.9	46.0	47.2
77.1	47.2	50.2	52.6	53.9
79.0**	48.6	51.7	54.1	55.4
85.4	53.3	56.7	59.2	60.6
93.7	59.6	63.3	66.0	67.4
102.0	66.0	70.0	72.9	74.3
110.2	72.5	76.8	79.9	81.3
118.5	79.2	83.8	86.9	88.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-8
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
192.3*	22.1	23.4	25.9	33.1
244.9	29.5	31.5	35.3	47.9
297.5	37.6	40.3	46.8	63.8
350.0	46.3	50.0	59.4	80.2
402.6	55.3	60.1	73.8	96.5
443.6**	62.6	69.0	85.8	109.5
455.2	64.7	72.4	89.3	113.1
507.7	74.8	84.7	105.4	129.6
560.3	86.0	98.2	122.1	146.0
612.9	97.1	112.8	138.9	162.3
665.4	109.7	128.3	155.8	178.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
192.3*	22.0	24.6	28.5	32.5
244.9	29.2	33.6	39.4	45.0
297.5	37.1	43.6	51.3	58.4
350.0	45.8	54.5	64.2	72.7
402.6	55.3	66.3	78.1	87.7
443.6**	63.3	76.0	89.3	99.9
455.2	65.6	78.9	92.5	103.4
507.7	76.5	92.3	107.7	119.6
560.3	88.2	106.3	123.4	136.7
612.9	100.5	120.9	139.8	153.8
665.4	113.6	136.2	156.7	171.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-100B/300

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
162.4*	17.3	18.1	20.4	25.4
201.0	22.5	23.6	26.8	34.7
239.7	27.6	29.6	33.7	45.2
278.4	33.1	36.0	41.3	56.3
317.0	38.9	42.7	50.3	67.9
340.2**	42.4	46.9	55.8	74.9
355.7	45.4	49.8	59.7	79.6
394.3	51.9	57.2	69.9	91.3
433.0	58.8	65.0	80.5	103.0
471.6	65.7	74.5	91.7	114.8
510.3	73.3	83.4	103.2	126.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
162.4*	16.9	18.7	21.5	24.8
201.0	21.5	24.4	28.6	33.0
239.7	26.4	30.6	36.3	41.8
278.4	31.7	37.4	44.6	51.2
317.0	37.5	44.8	53.3	61.0
340.2**	41.1	49.4	58.8	67.1
355.7	43.5	52.6	62.6	71.2
394.3	50.1	60.9	72.4	81.9
433.0	57.0	69.5	82.5	92.9
471.6	64.4	78.6	93.0	104.2
510.3	72.1	88.1	103.8	116.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200B/-200B Combi/-300

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
170.6*	18.2	18.8	21.3	26.6
214.6	23.8	25.3	28.5	37.4
258.6	29.7	32.0	36.6	49.4
302.7	35.9	39.3	46.0	62.2
346.7	42.5	47.1	56.0	75.1
377.8**	48.0	52.9	63.9	84.5
390.7	50.1	55.3	67.2	88.3
434.7	57.8	63.9	79.1	101.5
478.7	65.6	74.4	91.5	114.6
522.8	74.1	84.5	104.5	127.9
566.8	82.8	95.3	117.8	141.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
170.6*	17.4	19.4	22.4	25.8
214.6	22.6	25.9	30.5	35.1
258.6	28.3	33.1	39.3	45.2
302.7	34.5	40.9	48.8	56.0
346.7	41.0	49.4	58.9	67.2
377.8**	46.0	55.8	66.5	75.5
390.7	48.1	58.5	69.7	79.0
434.7	55.8	68.1	80.9	91.2
478.7	64.0	78.3	92.6	103.9
522.8	72.7	88.9	104.7	117.0
566.8	81.9	100.1	117.3	130.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200C/-200F

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
155.2*	16.6	17.2	19.3	23.9
200.9	22.6	23.6	26.9	34.8
246.7	28.6	30.9	35.2	47.4
292.4	35.3	38.5	45.0	60.9
338.1	42.3	46.7	55.6	74.6
377.8**	49.2	54.3	65.8	86.8
383.9	50.2	55.4	67.5	88.6
429.6	58.4	64.6	80.0	102.5
475.3	66.7	75.7	93.3	116.4
521.0	75.8	86.6	107.1	130.6
566.8	85.1	98.3	121.2	144.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
155.2*	16.1	17.7	20.3	23.4
200.9	21.4	24.4	28.6	33.0
246.7	27.3	31.9	37.8	43.5
292.4	33.8	40.1	47.8	54.9
338.1	40.7	49.1	58.5	66.8
377.8**	47.3	57.4	68.4	77.6
383.9	48.3	58.7	69.9	79.2
429.6	56.5	68.9	81.8	92.2
475.3	65.2	79.7	94.3	105.7
521.0	74.5	91.1	107.2	119.6
566.8	84.3	103.0	120.6	133.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-300 Combi

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
174.8*	19.3	20.1	22.5	28.3
218.4	25.0	26.7	30.0	39.5
261.9	31.0	33.6	38.2	51.9
305.5	37.4	41.0	47.9	64.8
349.0	44.8	48.9	58.4	78.0
377.8**	49.7	54.4	65.9	86.7
392.6	52.2	57.3	69.8	91.3
436.1	60.0	66.1	82.0	104.6
479.7	68.0	76.9	94.5	118.0
523.2	76.6	87.3	107.9	131.3
566.8	85.5	98.5	121.2	144.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
174.8*	18.7	20.9	24.2	27.8
218.4	24.2	27.7	32.5	37.4
261.9	30.1	35.2	41.7	47.7
305.5	36.6	43.4	51.5	58.8
349.0	43.5	52.2	62.0	70.4
377.8**	48.4	58.4	69.3	78.3
392.6	51.0	61.7	73.0	82.5
436.1	59.0	71.6	84.6	95.0
479.7	67.6	82.1	96.6	107.9
523.2	76.6	93.1	109.0	121.4
566.8	86.1	104.5	121.9	135.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-400
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
224.1*	26.1	28.0	31.3	41.5
265.0	31.7	34.5	39.2	53.3
305.8	38.5	41.5	48.5	65.6
346.7	45.0	49.0	58.5	78.1
387.6	52.0	56.9	69.3	90.7
394.6**	53.2	58.4	71.2	92.9
428.4	59.3	65.2	80.7	103.3
469.3	67.0	75.4	92.6	115.7
510.2	74.8	85.3	104.9	128.4
551.1	82.9	95.4	117.7	141.2
591.9	91.6	106.2	130.6	154.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
224.1*	25.5	29.2	34.3	39.3
265.0	31.2	36.5	43.1	49.3
305.8	37.5	44.4	52.5	59.9
346.7	44.1	52.8	62.5	70.8
387.6	51.3	61.8	73.0	82.3
394.6**	52.6	63.4	74.8	84.3
428.4	58.9	71.2	83.9	94.1
469.3	67.0	81.1	95.3	106.3
510.2	75.5	91.5	107.0	119.0
551.1	84.6	102.2	119.1	131.9
591.9	93.8	113.5	131.6	145.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-SP
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
147.7*	15.0	15.6	17.3	21.4
183.9	19.4	20.4	22.9	29.3
220.0	24.1	25.7	28.9	38.5
256.1	28.7	31.1	35.5	48.4
292.2	34.2	37.0	43.0	58.7
315.3**	37.7	40.8	48.1	65.2
328.4	39.7	43.0	51.1	69.0
364.5	45.2	49.5	60.0	79.4
400.6	51.2	56.3	69.4	89.9
436.7	57.5	63.4	79.2	100.3
472.9	63.9	72.2	89.5	110.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
147.7*	14.9	16.4	18.8	21.5
183.9	19.1	21.5	25.1	28.7
220.0	23.5	27.1	31.9	36.5
256.1	28.4	33.2	39.2	44.8
292.2	33.5	39.8	47.0	53.6
315.3**	37.0	44.2	52.2	59.3
328.4	39.1	46.7	55.3	62.7
364.5	45.0	54.1	64.0	72.1
400.6	51.3	61.9	72.9	81.9
436.7	57.9	70.0	82.2	91.9
472.9	64.8	78.5	91.8	102.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-200PF

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
51.7*	11.1	11.5	13.0	16.2
65.3	14.5	15.3	17.5	23.0
78.9	18.3	19.7	22.6	30.5
92.5	22.2	24.2	28.5	38.5
106.1	26.3	29.1	34.9	46.6
116.1**	29.5	32.9	40.0	52.5
119.8	30.7	34.2	41.9	54.7
133.4	35.6	39.8	49.3	62.9
147.0	40.7	45.7	57.1	71.1
160.6	46.0	52.7	65.3	79.2
174.2	51.5	59.7	73.4	87.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
51.7*	10.8	12.2	14.3	16.5
65.3	14.2	16.6	19.6	22.5
78.9	18.1	21.4	25.4	29.1
92.5	22.3	26.7	31.7	36.0
106.1	26.8	32.4	38.3	43.2
116.1**	30.4	36.8	43.4	48.8
119.8	31.8	38.5	45.3	50.8
133.4	37.1	44.9	52.6	58.7
147.0	42.7	51.7	60.2	66.8
160.6	48.6	58.7	68.1	75.2
174.2	54.8	66.0	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-300
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
64.3*	14.6	15.4	17.5	23.0
77.6	18.3	19.7	22.6	30.5
90.9	22.3	24.3	28.0	38.3
104.1	26.3	29.1	34.7	46.4
117.4	31.1	34.2	41.6	54.4
122.5**	32.8	36.2	44.4	57.4
130.6	35.7	39.5	49.0	62.5
143.9	40.6	45.5	56.7	70.6
157.2	45.9	52.3	64.7	78.8
170.4	51.4	59.2	72.9	86.9
183.7	57.0	66.5	81.0	95.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
64.3*	14.6	16.9	19.9	22.8
77.6	18.5	21.8	25.8	29.3
90.9	22.7	27.1	32.0	36.2
104.1	27.4	32.9	38.7	43.5
117.4	32.3	38.9	45.6	51.0
122.5**	34.3	41.3	48.4	54.0
130.6	37.7	45.3	52.9	58.8
143.9	43.3	52.1	60.5	67.0
157.2	49.2	59.1	68.3	75.2
170.4	55.5	66.4	76.4	83.8
183.7	62.0	74.0	84.7	92.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
80.1*	17.1	17.8	20.1	25.0
95.0	21.0	21.9	24.9	32.0
110.0	24.9	26.6	30.0	40.0
124.9	29.0	31.2	35.7	48.5
139.8	33.3	36.2	41.6	57.3
142.9**	34.2	37.2	42.9	59.1
154.7	37.7	41.4	48.7	66.2
169.6	42.2	46.7	55.7	75.2
184.5	47.5	52.4	63.5	84.2
199.4	52.6	58.2	71.5	93.3
214.3	58.1	64.3	79.9	102.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
80.1*	16.6	18.4	21.2	24.4
95.0	20.1	22.7	26.6	30.6
110.0	23.7	27.3	32.3	37.3
124.9	27.7	32.4	38.4	44.2
139.8	31.8	37.7	44.9	51.6
142.9**	32.7	38.8	46.3	53.2
154.7	36.2	43.3	51.7	59.1
169.6	40.8	49.2	58.8	67.0
184.5	45.7	55.5	66.1	75.0
199.4	50.9	61.9	73.7	83.3
214.3	56.3	68.6	81.5	91.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200ER

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
82.4*	17.3	18.1	20.4	25.4
103.1	22.7	24.0	27.1	35.3
123.8	28.1	30.2	34.5	46.7
144.5	33.9	37.0	42.6	58.7
165.2	40.1	44.1	52.3	70.9
179.2**	44.8	49.2	59.2	79.2
185.9	47.0	51.8	62.6	83.3
206.6	54.1	59.8	73.7	95.6
227.3	61.4	68.2	85.3	107.9
248.0	68.9	78.4	97.7	120.4
268.8	76.9	88.5	110.0	132.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
82.4*	16.8	18.6	21.5	24.7
103.1	21.6	24.6	29.0	33.4
123.8	26.8	31.3	37.1	42.8
144.5	32.5	38.6	46.0	52.8
165.2	38.6	46.4	55.4	63.2
179.2**	43.0	52.0	62.0	70.5
185.9	45.2	54.8	65.3	74.2
206.6	52.3	63.6	75.7	85.5
227.3	59.8	73.0	86.5	97.2
248.0	67.7	82.8	97.7	109.5
268.8	76.1	93.1	109.3	121.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
86.1*	18.8	19.5	22.0	27.7
103.0	23.1	24.6	27.6	36.1
119.9	27.7	29.7	33.7	45.6
136.8	32.5	35.3	40.4	55.5
153.7	37.5	41.1	48.2	65.5
158.8**	39.0	42.9	50.5	68.6
170.6	42.6	47.1	56.2	75.8
187.5	48.7	53.5	65.0	86.0
204.3	54.6	60.2	74.2	96.1
221.2	60.6	67.2	83.9	106.5
238.1	66.9	75.6	94.0	116.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
86.1*	18.1	20.2	23.4	27.0
103.0	22.2	25.3	29.8	34.3
119.9	26.6	30.9	36.6	42.1
136.8	31.3	36.9	43.8	50.3
153.7	36.3	43.3	51.5	58.9
158.8**	37.8	45.3	53.9	61.5
170.6	41.6	50.0	59.5	67.7
187.5	47.2	57.2	68.0	77.0
204.3	53.2	64.6	76.6	86.5
221.2	59.5	72.4	85.6	96.2
238.1	66.0	80.5	94.9	106.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300 Freighter
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
85.3*	18.6	19.4	21.8	27.3
107.0	24.3	25.9	29.1	38.4
128.6	30.3	32.7	37.2	50.8
150.3	36.6	40.1	46.7	63.7
172.0	43.8	47.7	57.0	76.8
186.9**	48.8	53.5	64.9	85.7
193.6	51.1	56.1	68.5	89.9
215.3	58.8	64.9	80.7	103.2
237.0	66.8	75.3	93.4	116.4
258.7	75.1	85.8	106.8	129.6
280.3	83.9	97.0	120.0	142.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
85.3*	18.2	20.2	23.4	26.8
107.0	23.5	26.9	31.6	36.3
128.6	29.4	34.3	40.6	46.6
150.3	35.7	42.4	50.3	57.5
172.0	42.6	51.1	60.7	68.9
186.9**	47.6	57.5	68.2	77.1
193.6	50.0	60.4	71.7	80.9
215.3	57.9	70.3	83.1	93.3
237.0	66.4	80.7	95.0	106.1
258.7	75.3	91.6	107.3	119.4
280.3	84.7	102.9	120.0	132.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300ER

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
79.4*	16.9	17.7	19.8	24.6
101.5	22.8	24.2	27.1	35.2
123.6	28.7	30.8	35.1	47.5
145.7	35.0	38.3	43.9	60.5
167.8	42.2	46.0	54.6	73.8
185.5**	48.0	52.6	63.7	84.4
189.9	49.5	54.3	66.1	87.1
212.0	57.3	63.1	78.3	100.6
234.1	65.4	73.5	91.0	114.0
256.2	73.7	84.0	104.6	127.4
278.3	82.6	95.4	118.0	140.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
79.4*	16.7	18.4	21.1	24.2
101.5	22.0	25.0	29.3	33.7
123.6	27.8	32.3	38.2	43.9
145.7	34.1	40.4	47.9	54.9
167.8	41.0	49.1	58.3	66.3
185.5**	46.9	56.5	67.1	75.9
189.9	48.4	58.4	69.3	78.3
212.0	56.3	68.3	80.8	90.8
234.1	64.8	78.8	92.8	103.8
256.2	73.8	89.7	105.2	117.3
278.3	83.3	101.2	118.1	130.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-400ER

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
103.2*	24.0	25.6	28.6	37.7
125.7	30.4	32.8	37.1	51.0
148.3	37.6	40.5	47.4	64.7
170.8	45.1	48.9	58.5	78.7
193.4	52.7	57.7	71.0	92.5
204.1**	56.7	62.3	77.4	99.2
215.9	61.1	67.4	84.5	106.7
238.5	69.5	78.7	98.2	120.8
261.1	78.4	90.1	112.5	134.9
283.6	88.5	102.4	126.6	148.9
306.2	98.6	115.4	141.0	162.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
103.2*	23.8	27.1	31.6	36.2
125.7	30.2	35.2	41.4	47.2
148.3	37.2	44.0	51.9	59.0
170.8	44.8	53.6	63.2	71.3
193.4	53.1	63.8	75.1	84.3
204.1**	57.3	68.8	80.9	90.6
215.9	61.9	74.6	87.5	97.7
238.5	71.3	86.1	100.4	111.5
261.1	81.2	98.0	113.8	125.9
283.6	91.7	110.4	127.7	140.5
306.2	102.8	123.3	142.0	155.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-200
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
137.0*	18.9	20.1	22.8	29.8
169.7	24.6	26.6	30.5	41.3
202.5	30.5	33.4	39.2	55.1
235.2	37.1	40.8	48.7	68.8
268.0	44.4	48.8	59.3	83.7
287.8**	49.2	53.8	66.2	92.8
300.7	52.1	58.1	70.8	97.4
333.5	60.2	67.4	83.1	112.6
366.2	68.5	77.2	96.2	128.5
399.0	77.5	88.1	111.8	144.4
431.7	86.6	99.3	126.3	160.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
137.0*	20.0	22.0	26.4	32.4
169.7	25.4	29.1	36.1	44.7
202.5	31.2	37.2	47.3	58.4
235.2	37.6	46.4	59.7	73.1
268.0	44.8	56.7	73.3	88.9
287.8**	49.5	63.5	82.0	98.9
300.7	52.7	68.1	87.8	105.6
333.5	61.4	80.5	103.3	123.0
366.2	71.0	93.9	119.7	141.2
399.0	81.4	108.1	136.9	160.0
431.7	92.7	123.2	154.7	179.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-300
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
136.1*	19.0	20.3	22.9	30.0
171.0	25.1	27.2	31.2	42.4
205.9	31.6	34.7	40.8	57.5
240.9	38.8	42.8	51.3	72.5
275.8	47.2	51.6	63.1	88.7
300.3**	52.8	58.9	71.7	98.7
310.7	55.2	61.8	75.5	103.5
345.6	64.2	72.0	89.3	120.3
380.6	73.6	83.3	105.5	137.4
415.5	83.4	95.3	121.0	154.5
450.4	93.4	107.8	136.7	171.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
136.1*	20.1	22.1	26.5	32.6
171.0	25.9	29.8	37.1	46.0
205.9	32.3	38.7	49.3	60.9
240.9	39.3	48.9	63.0	77.0
275.8	47.3	60.3	77.9	94.3
300.3**	53.4	69.1	89.1	107.0
310.7	56.2	73.0	94.0	112.6
345.6	66.0	86.8	111.2	131.8
380.6	76.7	101.7	129.3	151.7
415.5	88.5	117.6	148.2	172.4
450.4	101.3	134.6	167.9	193.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-8
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
113.4*	25.4	26.8	29.6	38.1
138.9	32.2	34.3	38.4	52.2
164.3	39.8	42.5	49.0	67.1
189.8	47.6	51.2	60.3	82.2
215.3	56.0	60.6	73.0	97.6
228.4**	60.3	65.5	80.2	105.6
240.7	64.2	70.5	87.1	113.1
266.2	73.4	82.3	102.1	128.4
291.7	83.6	93.7	117.2	143.6
317.1	93.3	106.3	132.8	158.9
342.6	103.8	119.9	148.6	174.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
113.4*	25.3	28.2	32.6	37.2
138.9	32.0	36.6	42.7	48.8
164.3	39.3	45.8	53.7	61.1
189.8	47.1	55.6	65.4	74.2
215.3	55.6	66.1	77.9	87.9
228.4**	60.2	71.9	84.7	95.1
240.7	64.8	77.4	91.0	102.1
266.2	74.3	89.2	104.6	116.8
291.7	84.5	101.7	118.7	132.0
317.1	95.2	114.7	133.3	147.6
342.6	106.5	128.1	148.4	163.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-9
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
113.4*	24.8	26.1	28.6	35.3
143.3	32.7	34.6	38.3	50.2
173.1	40.8	43.7	49.0	67.4
202.9	50.0	53.5	62.0	85.2
232.8	59.5	64.0	75.7	103.2
254.7**	66.6	72.0	86.6	116.5
262.6	69.3	75.0	90.9	121.5
292.5	79.4	87.1	108.1	139.8
322.3	90.1	100.9	126.0	158.1
352.2	101.6	115.0	144.1	176.1
382.0	114.0	129.8	162.7	194.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
113.4*	25.2	27.1	30.5	34.6
143.3	32.4	35.9	41.3	47.3
173.1	40.2	45.6	53.2	60.9
202.9	48.6	56.2	66.1	75.5
232.8	57.6	67.6	79.8	90.8
254.7**	64.6	76.5	90.4	102.5
262.6	67.3	79.8	94.4	106.9
292.5	77.6	92.8	109.6	123.6
322.3	88.5	106.5	125.4	140.9
352.2	100.1	120.9	141.9	158.6
382.0	112.3	135.8	159.0	177.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-10
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
113.4*	25.1	26.4	28.9	35.7
143.3	33.0	35.0	38.8	50.9
173.1	41.2	44.2	49.6	68.3
202.9	50.6	54.2	62.8	86.2
232.8	60.1	64.7	76.7	104.4
254.7**	67.4	72.8	87.8	117.9
262.6	70.1	76.0	92.2	122.9
292.5	80.3	88.2	109.6	141.4
322.3	91.2	102.2	127.7	159.8
352.2	102.9	116.5	146.0	178.0
382.0	115.3	131.5	164.8	196.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
113.4*	25.4	27.3	30.8	35.0
143.3	32.7	36.3	41.8	47.8
173.1	40.6	46.2	53.9	61.7
202.9	49.1	56.9	66.9	76.4
232.8	58.2	68.4	80.8	91.9
254.7**	65.4	77.4	91.5	103.7
262.6	68.1	80.8	95.6	108.1
292.5	78.5	94.0	110.9	125.0
322.3	89.5	107.8	127.0	142.5
352.2	101.3	122.5	143.7	160.5
382.0	113.7	137.5	160.9	179.1

* Minimum operating weight

** Maximum takeoff weight

C-2A

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.5*	16.5	15.9	15.8	15.7
19.2	19.2	18.6	18.4	18.2
21.9	21.9	21.2	21.0	20.8
24.6	24.6	23.8	23.6	23.4
27.2	27.2	26.3	26.1	25.9
27.3**	27.3	26.4	26.2	26.0
30.0	30.0	29.0	28.8	28.5
32.7	32.7	31.6	31.4	31.1
35.4	35.4	34.3	34.0	33.7
38.1	38.1	36.9	36.6	36.2
40.8	40.8	39.5	39.2	38.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
16.5*	16.8	16.9	16.7	16.5
19.2	19.6	19.7	19.5	19.2
21.9	22.4	22.5	22.3	22.0
24.6	25.2	25.3	25.1	24.7
27.2	27.9	28.0	27.8	27.3
27.3**	28.0	28.1	27.9	27.4
30.0	30.8	30.9	30.7	30.1
32.7	33.6	33.7	33.4	32.9
35.4	36.4	36.5	36.2	35.6
38.1	39.2	39.4	39.0	38.3
40.8	42.1	42.2	41.8	41.1

* Minimum operating weight

** Maximum takeoff weight

C-5A/B Galaxy
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
169.6*	10.1	10.9	12.6	15.8
214.3	13.7	14.7	17.2	22.4
259.0	17.3	18.9	22.1	29.2
303.6	21.2	23.2	27.6	36.8
348.3	25.4	28.0	34.0	44.9
381.0**	29.2	31.7	38.6	51.3
392.9	30.6	33.1	40.3	53.7
437.6	34.7	38.2	46.9	63.2
482.2	39.9	43.8	54.1	73.3
526.9	45.1	49.5	61.6	83.5
571.5	50.4	56.9	69.4	93.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
169.6*	11.1	12.1	13.7	16.7
214.3	14.3	15.8	19.0	23.4
259.0	17.7	19.9	24.9	31.1
303.6	21.2	24.8	31.6	39.5
348.3	24.9	30.2	39.0	48.5
381.0**	27.8	34.5	44.8	55.5
392.9	28.9	36.1	47.0	58.2
437.6	33.0	42.5	55.6	68.4
482.2	37.8	49.5	64.7	79.0
526.9	43.1	57.0	74.4	90.0
571.5	48.7	65.0	84.5	101.5

* Minimum operating weight

** Maximum takeoff weight

C-9 A/C Nightingale

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.2*	13.5	13.9	15.4	17.8
33.4	16.2	16.9	19.1	21.8
38.6	19.8	20.1	22.8	25.7
43.8	22.8	23.4	26.8	29.7
48.9	25.9	27.1	30.8	33.6
49.9**	26.5	27.8	31.5	34.3
54.1	29.1	30.8	34.8	37.6
59.3	32.6	34.7	38.8	41.5
64.5	36.1	38.7	42.8	45.5
69.7	39.7	42.5	46.8	49.5
74.8	43.4	46.5	50.9	53.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
28.2*	14.8	15.9	16.9	17.5
33.4	18.1	19.5	20.6	21.3
38.6	21.5	23.1	24.3	25.1
43.8	25.0	26.8	28.2	29.1
48.9	28.7	30.7	32.2	33.1
49.9**	29.4	31.5	32.9	33.8
54.1	32.4	34.6	36.2	37.1
59.3	36.2	38.6	40.3	41.3
64.5	40.1	42.7	44.5	45.5
69.7	44.1	46.8	48.8	49.7
74.8	48.2	51.1	53.1	54.1

* Minimum operating weight

** Maximum takeoff weight

C-12C/D Huron
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.5*	1.2	1.5	1.6	1.9
4.1	1.5	1.7	1.9	2.3
4.6	1.7	2.0	2.2	2.7
5.2	1.9	2.3	2.6	3.1
5.7	2.2	2.6	2.9	3.4
5.8**	2.2	2.6	2.9	3.5
6.3	2.5	2.9	3.3	3.9
6.9	2.7	3.3	3.6	4.3
7.4	3.0	3.5	4.0	4.7
8.0	3.3	4.0	4.4	5.1
8.5	3.6	4.3	4.8	5.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.5*	1.5	1.7	1.8	1.9
4.1	1.8	2.0	2.1	2.2
4.6	2.1	2.3	2.5	2.6
5.2	2.4	2.6	2.8	3.0
5.7	2.7	2.9	3.1	3.3
5.8**	2.7	3.0	3.2	3.3
6.3	3.1	3.3	3.5	3.7
6.9	3.4	3.7	3.9	4.1
7.4	3.7	4.0	4.3	4.5
8.0	4.1	4.4	4.7	4.8
8.5	4.4	4.8	5.0	5.2

* Minimum operating weight

** Maximum takeoff weight

C-12F Huron
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
3.8*	1.3	1.6	1.8	2.1
4.5	1.6	2.0	2.1	2.5
5.2	1.9	2.3	2.6	3.1
5.9	2.3	2.7	3.0	3.6
6.6	2.6	3.1	3.5	4.1
6.8**	2.7	3.2	3.6	4.2
7.3	3.0	3.5	4.0	4.6
8.1	3.3	4.0	4.5	5.1
8.8	3.7	4.4	4.9	5.7
9.5	4.1	4.9	5.5	6.2
10.2	4.5	5.4	6.0	6.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
3.8*	1.6	1.8	1.9	2.0
4.5	2.0	2.2	2.4	2.5
5.2	2.4	2.6	2.8	3.0
5.9	2.8	3.1	3.3	3.4
6.6	3.3	3.5	3.8	3.9
6.8**	3.4	3.6	3.9	4.0
7.3	3.7	4.0	4.2	4.4
8.1	4.1	4.5	4.7	4.9
8.8	4.6	4.9	5.2	5.4
9.5	5.0	5.4	5.7	5.9
10.2	5.5	5.9	6.2	6.5

* Minimum operating weight

** Maximum takeoff weight

C-12J Huron
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.4*	1.6	1.9	2.1	2.4
5.2	1.9	2.3	2.5	3.0
6.0	2.3	2.7	3.0	3.5
6.7	2.6	3.1	3.4	4.1
7.5	3.0	3.5	3.9	4.6
7.5**	3.0	3.6	4.0	4.7
8.2	3.4	4.0	4.4	5.2
9.0	3.7	4.5	4.9	5.7
9.8	4.2	4.9	5.5	6.3
10.5	4.6	5.4	6.1	6.9
11.3	5.0	5.9	6.6	7.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.4*	1.9	2.1	2.3	2.4
5.2	2.4	2.6	2.8	2.9
6.0	2.8	3.0	3.2	3.4
6.7	3.2	3.5	3.7	3.9
7.5	3.7	4.0	4.2	4.4
7.5**	3.7	4.0	4.3	4.5
8.2	4.1	4.5	4.7	4.9
9.0	4.6	5.0	5.3	5.5
9.8	5.1	5.5	5.8	6.0
10.5	5.6	6.0	6.3	6.6
11.3	6.1	6.5	6.9	7.1

* Minimum operating weight

** Maximum takeoff weight

C-17A Globemaster III

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
126.6*	15.8	16.7	19.3	24.6
156.7	20.9	22.2	25.8	33.5
186.9	26.0	28.1	33.3	43.1
217.0	31.2	34.4	40.9	52.9
247.2	37.5	41.1	49.0	63.4
265.4**	41.0	45.3	54.2	70.1
277.4	43.4	48.1	57.8	74.7
307.5	50.1	55.7	67.2	86.4
337.7	57.1	63.5	76.7	98.5
367.9	64.1	71.8	86.5	111.2
398.0	71.7	81.2	96.8	124.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
126.6*	19.0	20.1	21.3	23.2
156.7	24.0	25.5	27.4	30.8
186.9	29.1	31.0	33.9	39.3
217.0	34.3	36.8	41.0	48.8
247.2	39.5	42.9	48.9	59.2
265.4**	42.7	46.6	53.9	65.8
277.4	44.9	49.2	57.4	70.4
307.5	50.5	55.9	66.6	82.5
337.7	56.2	62.9	76.6	95.4
367.9	62.0	70.3	87.2	108.9
398.0	68.1	78.4	98.5	123.0

* Minimum operating weight

** Maximum takeoff weight

C-20 A-B-C-D Gulfstream III
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.8*	9.4	9.6	11.0	12.1
21.1	11.4	12.0	13.5	14.6
24.4	13.6	14.4	16.0	17.1
27.7	16.0	17.2	18.6	19.5
31.0	18.3	19.9	20.9	21.8
31.6**	18.8	20.4	21.4	22.3
34.3	20.9	22.5	23.4	24.3
37.6	23.5	25.1	26.0	26.8
40.9	26.2	27.7	28.5	29.3
44.1	28.8	30.3	31.0	31.8
47.4	31.5	32.6	33.6	34.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
17.8*	10.9	11.5	12.0	12.3
21.1	13.4	14.1	14.6	14.9
24.4	15.9	16.7	17.3	17.6
27.7	18.5	19.4	20.0	20.3
31.0	21.2	22.2	22.8	23.1
31.6**	21.7	22.7	23.4	23.6
34.3	24.0	25.0	25.7	25.9
37.6	26.8	27.9	28.6	28.8
40.9	29.6	30.8	31.5	31.7
44.1	32.6	33.8	34.5	34.7
47.4	35.5	36.8	37.5	37.7

* Minimum operating weight

** Maximum takeoff weight

C-20 F-G-H Gulfstream IV

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.7*	10.6	11.2	12.5	13.5
23.2	13.0	13.7	15.1	16.1
26.6	15.2	16.5	17.5	18.6
30.1	17.8	19.3	20.2	21.2
33.5	20.5	22.0	22.9	23.8
33.8**	20.7	22.3	23.1	24.0
37.0	23.2	24.8	25.6	26.4
40.4	25.9	27.6	28.3	29.0
43.9	28.7	30.4	30.9	31.7
47.3	31.6	33.2	33.6	34.3
50.8	34.5	36.0	36.3	36.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
19.7*	12.5	13.2	13.7	13.9
23.2	15.2	16.0	16.5	16.7
26.6	18.0	18.8	19.4	19.6
30.1	20.8	21.7	22.3	22.6
33.5	23.7	24.7	25.3	25.5
33.8**	24.0	25.0	25.6	25.8
37.0	26.7	27.7	28.4	28.6
40.4	29.7	30.8	31.5	31.7
43.9	32.8	34.0	34.6	34.8
47.3	36.0	37.2	37.8	37.9
50.8	39.2	40.4	41.1	41.1

* Minimum operating weight

** Maximum takeoff weight

C-21A Gates Learjet 35

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.6*	2.0	2.1	2.3	2.6
5.5	2.5	2.6	2.8	3.3
6.3	3.0	3.1	3.4	3.9
7.2	3.4	3.6	4.0	4.5
8.1	3.9	4.1	4.6	5.2
8.3**	4.1	4.2	4.8	5.3
9.0	4.4	4.6	5.2	5.8
9.8	5.0	5.2	5.8	6.5
10.7	5.5	5.8	6.5	7.1
11.6	6.1	6.3	7.1	7.8
12.5	6.7	7.0	7.8	8.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.6*	2.3	2.5	2.6	2.7
5.5	2.8	3.0	3.2	3.3
6.3	3.4	3.6	3.8	3.9
7.2	3.9	4.2	4.4	4.6
8.1	4.5	4.8	5.0	5.2
8.3**	4.7	5.0	5.2	5.3
9.0	5.1	5.4	5.7	5.8
9.8	5.7	6.1	6.3	6.5
10.7	6.3	6.7	7.0	7.2
11.6	7.0	7.3	7.6	7.8
12.5	7.6	8.0	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

C-22B
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
41.6*	20.6	20.7	22.8	26.3
49.7	25.2	25.5	28.3	32.7
57.9	29.8	30.4	34.3	39.2
66.0	34.7	35.6	40.3	45.6
74.2	39.8	41.5	46.7	52.1
76.7**	41.4	43.2	48.6	54.0
82.4	45.1	47.2	53.2	58.5
90.5	50.3	53.0	59.7	65.0
98.7	55.5	58.9	66.3	71.5
106.8	61.1	65.3	73.0	78.0
115.0	66.7	72.2	79.6	84.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
41.6*	21.6	23.4	24.9	25.9
49.7	26.7	28.9	30.7	31.9
57.9	32.0	34.6	36.6	38.0
66.0	37.5	40.4	42.8	44.3
74.2	43.1	46.5	49.0	50.6
76.7**	44.8	48.3	51.0	52.5
82.4	48.9	52.6	55.4	57.1
90.5	54.8	58.9	62.0	63.7
98.7	60.9	65.4	68.6	70.4
106.8	67.2	71.9	75.3	77.2
115.0	73.4	78.5	82.2	84.0

* Minimum operating weight

** Maximum takeoff weight

C-23

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
7.9*	5.1	5.9	6.4	6.7
8.9	5.7	6.7	7.2	7.6
9.9	6.3	7.4	8.0	8.4
10.8	7.0	8.2	8.8	9.2
11.2	7.2	8.4	9.1	9.5
11.8**	7.6	8.9	9.6	10.1
12.8	8.2	9.6	10.4	10.9
13.8	8.9	10.4	11.2	11.8
14.8	9.5	11.1	12.0	12.6
15.8	10.1	11.8	12.8	13.4
16.7	10.8	12.6	13.6	14.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
7.9*	5.5	5.7	5.9	5.9
8.9	6.2	6.4	6.6	6.7
9.9	6.9	7.1	7.3	7.4
10.8	7.6	7.8	8.0	8.1
11.2	7.8	8.1	8.3	8.4
11.8**	8.2	8.6	8.8	8.9
12.8	8.9	9.3	9.5	9.6
13.8	9.6	10.0	10.2	10.3
14.8	10.2	10.7	10.9	11.1
15.8	10.9	11.4	11.7	11.8
16.7	11.6	12.1	12.4	12.5

* Minimum operating weight

** Maximum takeoff weight

C-27
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.6*	4.2	5.1	5.8	6.3
17.6	5.1	6.2	7.0	7.7
20.7	6.0	7.4	8.3	9.2
23.7	7.0	8.6	9.6	10.7
26.8	7.9	9.7	11.0	12.3
28.0**	8.3	10.2	11.5	12.9
29.8	8.9	10.8	12.3	13.9
32.9	9.9	12.0	13.7	15.5
35.9	11.0	13.4	15.1	17.2
39.0	12.0	14.6	16.5	18.8
42.0	13.0	15.9	17.9	20.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.6*	5.2	5.5	5.8	6.1
17.6	6.2	6.6	7.1	7.5
20.7	7.3	7.8	8.4	8.9
23.7	8.4	9.1	9.8	10.4
26.8	9.5	10.3	11.1	11.9
28.0**	10.0	10.8	11.7	12.5
29.8	10.7	11.6	12.6	13.4
32.9	11.8	12.9	14.0	15.0
35.9	12.9	14.2	15.5	16.6
39.0	14.1	15.5	17.0	18.2
42.0	15.3	16.8	18.5	19.8

* Minimum operating weight

** Maximum takeoff weight

C-27J Spartan
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
17.0*	4.1	5.3	6.5	7.2
20.4	4.9	6.4	8.0	8.8
23.8	5.8	7.5	9.4	10.5
27.2	6.8	8.6	10.9	12.2
30.6	7.7	9.8	12.3	13.9
31.8**	8.0	10.2	12.8	14.5
34.1	8.6	11.0	13.8	15.7
37.5	9.7	12.3	15.4	17.7
40.9	10.6	13.6	16.9	19.6
44.3	11.6	14.8	18.5	21.6
47.7	12.6	16.1	20.1	23.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
17.0*	5.4	5.9	6.3	6.8
20.4	6.5	7.1	7.7	8.3
23.8	7.6	8.3	9.1	9.8
27.2	8.7	9.6	10.5	11.4
30.6	9.8	10.9	12.0	13.0
31.8**	10.2	11.3	12.5	13.6
34.1	11.0	12.2	13.5	14.7
37.5	12.1	13.5	15.0	16.4
40.9	13.3	14.9	16.6	18.1
44.3	14.4	16.3	18.2	19.8
47.7	15.6	17.7	19.8	21.6

* Minimum operating weight

** Maximum takeoff weight

C-32A/B
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
62.1*	13.9	14.4	16.4	21.5
74.5	17.1	18.1	21.0	28.2
86.9	20.6	22.4	25.8	35.3
99.2	24.3	26.7	31.7	42.7
111.6	28.2	31.3	37.8	50.0
115.7**	29.5	32.8	40.0	52.4
124.0	32.2	36.1	44.4	57.5
136.4	36.8	41.3	51.3	65.0
148.8	41.6	46.7	58.5	72.4
161.1	46.4	53.3	65.9	79.8
173.5	51.4	59.6	73.4	87.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
62.1*	13.5	15.6	18.4	21.1
74.5	16.9	19.9	23.6	27.0
86.9	20.6	24.6	29.2	33.2
99.2	24.6	29.6	35.1	39.7
111.6	28.9	35.0	41.3	46.5
115.7**	30.4	36.8	43.4	48.7
124.0	33.5	40.6	47.8	53.5
136.4	38.5	46.6	54.5	60.8
148.8	43.7	52.8	61.5	68.2
161.1	49.1	59.3	68.8	75.9
173.5	54.8	66.0	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

C-37A Gulfstream V

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
21.8*	11.3	11.7	13.0	14.6
26.2	14.0	14.8	16.4	17.9
30.6	16.9	18.1	19.8	21.2
35.0	19.9	21.5	23.2	24.6
39.5	23.1	25.0	26.7	27.6
41.1**	24.3	26.3	27.9	28.8
43.9	26.4	28.6	30.2	31.0
48.3	29.7	32.2	33.6	34.4
52.7	33.8	35.8	37.1	37.7
57.2	37.5	39.3	40.6	41.1
61.6	41.1	42.9	44.0	44.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
21.8*	13.3	14.0	14.6	14.9
26.2	16.6	17.4	18.1	18.4
30.6	19.9	21.0	21.7	22.0
35.0	23.5	24.6	25.4	25.7
39.5	27.1	28.3	29.1	29.5
41.1**	28.4	29.7	30.5	30.8
43.9	30.8	32.1	33.0	33.3
48.3	34.6	36.0	36.9	37.2
52.7	38.4	39.9	40.8	41.1
57.2	42.4	43.9	44.8	45.1
61.6	46.4	48.0	49.0	49.1

* Minimum operating weight

** Maximum takeoff weight

C-38A Courier
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.2*	2.5	2.7	2.9	3.3
7.4	3.0	3.3	3.5	4.1
8.6	3.5	3.9	4.3	4.9
9.7	4.1	4.5	4.9	5.8
10.9	4.7	5.1	5.7	6.7
11.2**	4.8	5.2	5.8	6.9
12.1	5.3	5.8	6.4	7.5
13.3	6.0	6.5	7.2	8.4
14.4	6.7	7.1	8.0	9.3
15.6	7.4	7.8	8.8	10.1
16.8	8.0	8.5	9.7	11.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
6.2*	2.8	3.0	3.2	3.4
7.4	3.4	3.7	3.9	4.1
8.6	4.0	4.4	4.7	4.9
9.7	4.7	5.1	5.4	5.7
10.9	5.4	5.8	6.2	6.5
11.2**	5.6	6.0	6.4	6.7
12.1	6.1	6.6	7.0	7.3
13.3	6.8	7.4	7.8	8.1
14.4	7.6	8.1	8.6	8.9
15.6	8.3	8.9	9.4	9.8
16.8	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

C-40A Clipper
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	17.8	18.2	19.5	22.4
45.2	22.0	22.6	24.5	28.1
52.6	26.2	26.9	29.5	33.8
60.1	30.5	31.8	34.7	39.6
67.6	34.9	36.6	40.2	45.3
70.1**	36.4	38.2	42.0	47.2
75.1	39.5	41.7	45.9	51.0
82.6	44.0	47.0	51.7	56.8
90.1	49.5	52.4	57.5	62.5
97.6	54.6	57.7	63.4	68.2
105.1	59.0	63.4	69.3	74.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	19.9	21.2	22.4	23.3
45.2	24.5	26.3	27.7	28.6
52.6	29.4	31.5	33.1	34.1
60.1	34.4	36.8	38.7	39.8
67.6	39.6	42.3	44.3	45.5
70.1**	41.3	44.1	46.2	47.4
75.1	44.9	47.9	50.1	51.4
82.6	50.3	53.6	56.0	57.3
90.1	55.9	59.4	62.0	63.3
97.6	61.5	65.3	68.0	69.4
105.1	67.3	71.3	74.2	75.7

* Minimum operating weight

** Maximum takeoff weight

C-40B/C
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.1*	20.9	21.3	23.1	26.5
51.2	25.4	26.0	28.5	32.7
59.4	30.0	30.9	34.1	38.9
67.5	34.8	36.5	40.1	45.1
75.6	39.7	42.0	46.2	51.4
77.6**	40.9	43.4	47.7	52.8
83.8	44.7	47.8	52.5	57.6
91.9	50.7	53.6	58.8	63.8
100.1	55.5	59.5	65.2	70.0
108.2	61.7	65.6	71.6	76.2
116.4	67.4	72.1	78.0	82.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
43.1*	23.2	24.8	26.2	27.1
51.2	28.4	30.4	32.0	33.0
59.4	33.9	36.2	38.0	39.1
67.5	39.4	42.1	44.2	45.4
75.6	45.2	48.2	50.4	51.7
77.6**	46.6	49.6	51.9	53.2
83.8	51.1	54.4	56.8	58.2
91.9	57.1	60.7	63.3	64.7
100.1	63.3	67.2	69.9	71.3
108.2	69.5	73.7	76.7	78.1
116.4	75.9	80.4	83.5	84.9

* Minimum operating weight

** Maximum takeoff weight

C-41A Casa 212
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
3.8*	1.6	2.1	2.7	3.0
4.7	2.0	2.6	3.3	3.7
5.6	2.4	3.1	4.0	4.5
6.5	2.7	3.6	4.6	5.2
7.4	3.1	4.1	5.3	5.9
8.0**	3.4	4.4	5.7	6.4
8.4	3.5	4.6	5.9	6.7
9.3	3.9	5.1	6.6	7.4
10.2	4.3	5.6	7.2	8.1
11.1	4.7	6.1	7.9	8.8
12.0	5.1	6.6	8.5	9.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
3.8*	2.2	2.3	2.4	2.5
4.7	2.7	2.9	3.0	3.1
5.6	3.2	3.4	3.6	3.7
6.5	3.7	3.9	4.1	4.3
7.4	4.2	4.5	4.7	4.8
8.0**	4.5	4.8	5.1	5.2
8.4	4.7	5.0	5.3	5.4
9.3	5.2	5.6	5.8	6.0
10.2	5.7	6.1	6.4	6.6
11.1	6.2	6.6	7.0	7.2
12.0	6.7	7.1	7.5	7.8

* Minimum operating weight

** Maximum takeoff weight

C-90B, King Air
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.9*	1.3	1.7	2.2	2.4
3.3	1.5	1.9	2.5	2.8
3.7	1.7	2.2	2.8	3.1
4.1	1.9	2.4	3.1	3.4
4.4	2	2.6	3.3	3.7
4.5**	2	2.7	3.4	3.8
4.9	2.2	2.9	3.7	4.1
5.3	2.4	3.2	4	4.5
5.7	2.6	3.4	4.3	4.8
6.1	2.8	3.6	4.6	5.2
6.5	3	3.9	4.9	5.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.9*	1.8	1.9	1.9	2
3.3	2	2.1	2.2	2.3
3.7	2.3	2.4	2.5	2.6
4.1	2.5	2.6	2.8	2.8
4.4	2.7	2.8	2.9	3
4.5**	2.7	2.9	3	3.1
4.9	3	3.2	3.3	3.4
5.3	3.2	3.4	3.6	3.7
5.7	3.5	3.7	3.9	4
6.1	3.7	3.9	4.1	4.2
6.5	3.9	4.2	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-44A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

C-130E Hercules

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
32.7*	11.6	13.3	13.9	15.6
42.3	15.2	17.6	18.5	20.8
51.9	19.0	22.0	23.2	26.6
61.5	23.1	26.4	28.0	32.5
71.1	27.2	31.0	33.0	38.6
79.4**	30.8	35.0	37.5	44.2
80.7	31.4	35.6	38.1	45.1
90.3	35.5	40.4	43.5	51.7
99.9	39.9	45.4	49.0	58.7
109.5	44.3	50.6	54.5	65.8
119.1	48.9	55.9	61.0	73.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
32.7*	13.0	13.9	14.8	15.7
42.3	17.1	18.4	19.8	20.9
51.9	21.3	23.1	24.9	26.5
61.5	25.6	28.0	30.3	32.1
71.1	30.1	33.0	35.8	38.0
79.4**	34.1	37.5	40.7	43.2
80.7	34.7	38.2	41.5	44.0
90.3	39.4	43.5	47.3	50.1
99.9	44.3	49.0	53.2	56.4
109.5	49.3	54.6	59.4	62.8
119.1	54.4	60.3	65.6	69.3

* Minimum operating weight

** Maximum takeoff weight

**C-130H Hercules
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
31.3*	10.1	11.5	12.4	13.8
41.1	13.4	15.5	16.7	18.7
50.8	16.8	19.5	21.0	24.1
60.6	20.2	23.8	25.5	29.6
70.3	24.0	28.1	30.2	35.3
79.4**	27.4	32.2	34.7	41.0
80.1	27.7	32.5	35.0	41.4
89.8	31.4	36.9	40.1	47.6
99.6	35.3	41.7	45.2	54.1
109.3	39.5	46.5	50.3	60.8
119.1	43.6	51.1	56.2	67.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
31.3*	11.4	12.2	13.0	13.7
41.1	15.1	16.3	17.5	18.6
50.8	19.0	20.6	22.3	23.7
60.6	22.9	25.1	27.2	29.0
70.3	27.0	29.7	32.3	34.4
79.4**	30.9	34.1	37.2	39.6
80.1	31.2	34.5	37.6	40.0
89.8	35.5	39.4	43.0	45.7
99.6	40.0	44.4	48.5	51.6
109.3	44.5	49.6	54.2	57.5
119.1	49.2	54.9	59.9	63.6

* Minimum operating weight

** Maximum takeoff weight

C-130J Hercules

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
34.3*	13.2	14.5	14.9	16.6
43.7	17.0	18.9	19.4	21.7
53.1	21.2	23.2	24.1	27.2
62.5	25.3	27.6	28.9	32.8
72.0	29.5	32.2	33.8	39.3
79.4**	33.0	36.0	37.8	44.4
81.4	33.9	37.0	38.9	45.8
90.8	38.3	41.8	44.7	52.4
100.2	42.7	46.7	50.7	59.4
109.7	47.3	51.7	56.5	66.5
119.1	52.0	56.8	62.0	73.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
34.3*	14.4	15.3	16.2	17.1
43.7	18.6	19.9	21.3	22.4
53.1	23.0	24.8	26.5	28.0
62.5	27.5	29.8	32.0	33.8
72.0	32.1	34.9	37.6	39.7
79.4**	35.8	39.1	42.1	44.4
81.4	36.9	40.2	43.3	45.7
90.8	41.7	45.7	49.2	51.9
100.2	46.7	51.2	55.3	58.2
109.7	51.9	57.0	61.4	64.6
119.1	57.1	62.8	67.7	71.1

* Minimum operating weight

** Maximum takeoff weight

C-130J-30 Hercules
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.0*	14.0	15.4	15.8	17.6
45.2	17.8	19.8	20.3	22.8
54.4	21.9	24.0	25.0	28.2
63.7	26.0	28.4	29.7	34.2
72.9	30.2	33.0	34.6	40.2
79.4**	33.2	36.3	38.1	44.7
82.1	34.5	37.7	39.6	46.6
91.4	38.9	42.4	45.4	53.2
100.6	43.2	47.3	51.3	60.1
109.8	47.8	52.2	57.0	67.1
119.1	52.4	57.3	62.5	74.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
36.0*	15.3	16.2	17.2	18.1
45.2	19.4	20.9	22.3	23.5
54.4	23.8	25.6	27.5	29.0
63.7	28.2	30.6	32.9	34.7
72.9	32.8	35.7	38.4	40.5
79.4**	36.1	39.4	42.4	44.7
82.1	37.5	40.9	44.1	46.5
91.4	42.3	46.3	49.9	52.6
100.6	47.3	51.8	55.9	58.9
109.8	52.3	57.4	62.0	65.2
119.1	57.5	63.2	68.2	71.6

* Minimum operating weight

** Maximum takeoff weight

C-135A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
49.4*	10.4	10.4	11.3	13.8
66.8	14.3	14.8	16.6	20.9
84.1	18.9	19.5	22.4	29.3
101.4	23.5	24.9	28.9	38.1
118.7	28.5	30.5	36.5	47.7
136.0**	33.4	36.7	44.3	57.5
136.8	33.7	37.0	44.7	58.0
153.3	39.7	43.4	52.8	67.9
170.6	45.5	50.3	61.6	78.4
187.9	51.6	57.7	70.8	89.1
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
49.4*	9.7	10.3	11.6	13.3
66.8	13.2	14.7	17.0	19.8
84.1	17.0	19.5	23.2	27.0
101.4	21.3	25.0	29.9	34.8
118.7	25.8	30.9	37.3	43.1
136.0**	30.7	37.3	45.1	52.0
136.8	30.9	37.7	45.5	52.4
153.3	36.0	44.2	53.4	61.1
170.6	41.8	51.7	62.1	70.7
187.9	47.9	59.5	71.2	80.7
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

C-135B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
53.0*	11.2	11.2	12.3	15.1
69.9	15.1	15.6	17.7	22.4
86.8	19.6	20.5	23.4	30.6
103.7	24.2	25.6	29.8	39.4
120.6	29.0	31.2	37.3	48.8
136.8**	33.7	37.0	44.7	58.0
137.6	33.9	37.3	45.0	58.5
154.5	40.1	43.8	53.4	68.6
171.4	45.7	50.6	62.0	78.8
188.3	51.7	57.9	71.0	89.3
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
53.0*	10.4	11.2	12.6	14.5
69.9	13.9	15.5	18.1	21.0
86.8	17.7	20.4	24.2	28.2
103.7	21.9	25.7	30.9	35.9
120.6	26.3	31.6	38.1	44.1
136.8**	30.9	37.7	45.5	52.4
137.6	31.2	37.9	45.8	52.8
154.5	36.4	44.7	53.9	61.7
171.4	42.0	52.0	62.5	71.2
188.3	48.0	59.6	71.4	80.9
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

C-141C Starlifter

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
67.2*	15.6	16.6	19.0	24.9
85.8	21.1	22.9	26.5	35.5
104.4	27.0	29.8	35.5	46.8
123.0	33.6	37.2	45.4	58.4
141.7	40.6	45.4	55.8	69.8
156.5**	46.6	53.1	64.6	79.1
160.3	48.2	55.0	66.9	81.5
178.9	56.0	64.9	78.4	93.2
197.5	64.2	75.4	90.1	104.9
216.1	72.8	86.1	102.0	115.3
234.7	84.8	97.2	113.9	126.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
67.2*	15.6	18.1	21.4	24.4
85.8	21.3	25.3	29.8	33.9
104.4	27.7	33.3	39.2	44.1
123.0	34.8	41.9	49.2	55.0
141.7	42.6	51.3	59.8	66.4
156.5**	49.3	59.3	68.6	75.8
160.3	51.0	61.4	71.0	78.2
178.9	60.0	71.9	82.6	90.5
197.5	69.6	82.9	94.7	103.1
216.1	79.9	94.5	107.2	116.2
234.7	90.3	106.5	120.2	129.6

* Minimum operating weight

** Maximum takeoff weight

C-146A Wolfhound

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
9.4*	3.7	4.3	4.8	5.7
10.7	4.3	5.1	5.4	6.6
12.0	5.0	5.8	6.3	7.6
13.3	5.7	6.5	7.2	8.5
14.0	6.1	6.9	7.9	9.0
14.6**	6.4	7.3	8.2	9.5
15.8	7.1	8.1	9.1	10.4
17.1	7.8	8.9	10.1	11.4
18.4	8.6	9.7	11.1	12.3
19.7	9.4	10.6	12.0	13.1
21.0	10.2	11.5	13.0	14.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
9.4*	4.4	4.8	5.1	5.4
10.7	5.1	5.6	6.0	6.2
12.0	5.9	6.4	6.8	7.1
13.3	6.7	7.2	7.7	8.0
14.0	7.1	7.7	8.2	8.5
14.6**	7.5	8.1	8.6	8.9
15.8	8.3	8.9	9.5	9.8
17.1	9.1	9.8	10.4	10.8
18.4	10.0	10.7	11.3	11.7
19.7	10.8	11.6	12.3	12.7
21.0	11.7	12.6	13.2	13.6

* Minimum operating weight

** Maximum takeoff weight

C-160 Transall
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
33.0*	3.6	4.9	6.4	8.2
37.5	4.2	5.7	7.6	9.8
42.1	4.9	6.6	9.0	11.4
46.6	5.5	7.6	10.1	13.2
49.2	5.9	8.1	10.8	14.3
51.1**	6.2	8.5	11.4	15.3
55.6	6.9	9.3	12.8	17.2
60.2	7.8	10.5	14.2	19.2
64.7	8.6	11.7	15.7	21.3
69.2	9.5	12.8	17.2	23.3
73.7	10.3	14.0	18.7	25.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
33.0*	4.2	4.6	5.1	6.1
37.5	4.7	5.2	6.0	7.3
42.1	5.3	5.9	6.9	8.5
46.6	5.8	6.5	7.8	9.8
49.2	6.1	6.9	8.4	10.6
51.1**	6.3	7.2	8.8	11.2
55.6	6.9	7.9	9.9	12.6
60.2	7.4	8.6	11.0	14.2
64.7	7.9	9.4	12.3	15.8
69.2	7.2	10.2	13.5	17.4
73.7	9.0	11.1	14.8	19.1

* Minimum operating weight

** Maximum takeoff weight

C-295 Casa
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.3*	3.3	4.1	4.6	5.1
14.0	4.2	5.1	5.7	6.4
16.6	5.0	6.1	6.8	7.8
19.2	5.9	7.2	8.0	9.3
21.8	6.8	8.3	9.3	10.8
23.2**	7.3	8.9	10.0	11.7
24.4	7.8	9.4	10.6	12.4
27.0	8.7	10.4	11.8	14.0
29.6	9.6	11.5	13.2	15.7
32.2	10.7	12.8	14.5	17.3
34.8	11.7	13.9	15.8	19.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
11.3*	4.1	4.4	4.8	5.1
14.0	5.1	5.6	6.0	6.4
16.6	6.2	6.7	7.3	7.8
19.2	7.2	7.9	8.6	9.2
21.8	8.3	9.2	10.0	10.7
23.2**	8.9	9.8	10.8	11.5
24.4	9.4	10.4	11.4	12.2
27.0	10.6	11.7	12.8	13.7
29.6	11.7	13.0	14.3	15.3
32.2	12.9	14.4	15.8	16.8
34.8	14.1	15.8	17.3	18.4

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK6-PR MK7-B MK8

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.8*	9.3	9.6	9.5	9.8
13.9	12.0	12.4	12.3	12.6
17.0	14.7	15.1	15.0	15.4
20.1	17.3	17.9	17.8	18.2
23.2	20.0	20.6	20.5	21.0
25.8**	22.3	22.9	22.8	23.4
26.3	22.7	23.4	23.2	23.8
29.4	25.4	26.1	26.0	26.6
32.5	28.0	28.9	28.7	29.5
35.6	30.7	31.7	31.5	32.3
38.7	33.4	34.4	34.2	35.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.8*	9.2	9.4	9.4	9.4
13.9	11.9	12.1	12.2	12.1
17.0	14.5	14.8	14.9	14.8
20.1	17.2	17.5	17.6	17.5
23.2	19.8	20.2	20.3	20.2
25.8**	22.0	22.5	22.6	22.5
26.3	22.5	22.9	23.1	23.0
29.4	25.1	25.6	25.8	25.6
32.5	27.7	28.3	28.5	28.4
35.6	30.4	31.0	31.2	31.1
38.7	33.0	33.7	33.9	33.8

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK15-B MK16

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.0*	13.0	13.2	13.2	13.4
17.9	15.4	15.7	15.8	16.0
20.7	17.9	18.2	18.3	18.5
23.6	20.4	20.7	20.8	21.1
26.4	22.9	23.2	23.4	23.7
27.2**	23.5	23.9	24.0	24.3
29.3	25.4	25.7	25.9	26.2
32.2	27.8	28.3	28.4	28.8
35.0	30.3	30.8	31.0	31.4
37.9	32.8	33.3	33.5	33.9
40.8	35.3	35.8	36.0	36.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
15.0*	12.9	13.1	13.1	13.1
17.9	15.3	15.6	15.6	15.6
20.7	17.8	18.1	18.2	18.1
23.6	20.3	20.6	20.7	20.6
26.4	22.7	23.1	23.2	23.1
27.2**	23.3	23.7	23.8	23.7
29.3	25.2	25.6	25.7	25.6
32.2	27.6	28.1	28.2	28.1
35.0	30.1	30.6	30.8	30.5
37.9	32.5	33.1	33.3	33.0
40.8	35.0	35.6	35.8	35.5

* Minimum operating weight

** Maximum takeoff weight

Canberra PR MK3-T MKII- TT MK18

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	7.1	8.0	8.5	8.9
12.3	8.8	9.9	10.5	11.0
14.7	10.6	11.8	12.6	13.2
17.0	12.3	13.7	14.6	15.3
19.4	14.0	15.7	16.7	17.4
20.9**	15.1	16.8	17.9	18.8
21.8	15.7	17.6	18.7	19.6
24.2	17.4	19.5	20.8	21.7
26.6	19.1	21.4	22.8	23.9
28.9	20.9	23.3	24.9	26.0
31.3	22.6	25.3	26.9	28.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	7.5	7.7	7.9	7.9
12.3	9.2	9.6	9.8	9.8
14.7	11.0	11.4	11.7	11.7
17.0	12.8	13.2	13.5	13.6
19.4	14.5	15.1	15.4	15.5
20.9**	15.6	16.2	16.6	16.7
21.8	16.3	16.9	17.3	17.4
24.2	18.0	18.7	19.2	19.3
26.6	19.8	20.5	21.0	21.2
28.9	21.5	22.3	22.9	23.1
31.3	23.2	24.2	24.8	25.0

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK9
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
12.7*	10.8	11.1	11.0	11.3
15.6	13.3	13.7	13.6	13.9
18.6	15.7	16.2	16.1	16.5
21.5	18.2	18.8	18.7	19.2
24.4	20.7	21.4	21.2	21.8
26.1**	22.1	22.8	22.7	23.2
27.4	23.2	23.9	23.8	24.4
30.3	25.7	26.5	26.3	27.0
33.2	28.2	29.1	28.9	29.6
36.2	30.7	31.6	31.5	32.2
39.1	33.2	34.2	34.0	34.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
12.7*	10.7	10.8	10.9	10.9
15.6	13.1	13.4	13.5	13.4
18.6	15.6	15.9	16.0	15.9
21.5	18.1	18.4	18.5	18.5
24.4	20.5	20.9	21.1	21.0
26.1**	21.9	22.3	22.5	22.4
27.4	23.0	23.4	23.6	23.5
30.3	25.5	26.0	26.1	26.0
33.2	27.9	28.5	28.7	28.5
36.2	30.4	31.0	31.2	31.0
39.1	32.8	33.5	33.7	33.6

* Minimum operating weight

** Maximum takeoff weight

Canberra TMK4-T MK17

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.0*	6.4	7.6	8.4	8.8
12.0	7.7	9.1	10.1	10.6
14.0	9.0	10.6	11.8	12.4
16.1	10.3	12.2	13.6	14.2
18.1	11.6	13.7	15.3	16.0
18.8**	12.1	14.2	15.9	16.6
20.1	12.9	15.2	17.0	17.7
22.1	14.1	16.8	18.7	19.5
24.1	15.5	18.3	20.4	21.3
26.2	16.8	19.8	22.1	23.1
28.2	18.1	21.3	23.8	24.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.0*	7.1	7.4	7.6	7.7
12.0	8.5	8.8	9.1	9.2
14.0	9.9	10.3	10.6	10.8
16.1	11.3	11.8	12.1	12.3
18.1	12.7	13.2	13.6	13.8
18.8**	13.1	13.8	14.2	14.4
20.1	14.0	14.7	15.1	15.4
22.1	15.4	16.1	16.7	16.9
24.1	16.8	17.6	18.2	18.4
26.2	18.1	19.0	19.6	19.9
28.2	19.5	20.5	21.1	21.5

* Minimum operating weight

** Maximum takeoff weight

CC-115 Buffalo, DHC-5

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
11.9*	4	4.9	5.7	7
13.9	4.8	5.9	6.8	8.5
16	5.7	6.9	8.1	10
18	6.6	8.1	9.5	11.5
20	7.6	9.2	11	13.1
20.2**	7.6	9.3	11.1	13.1
22.1	8.5	10.6	12.4	14.6
24.1	9.6	11.8	13.9	16.1
26.2	10.6	13.2	15.4	17.7
28.2	11.6	14.6	16.9	19.2
30.3	12.9	16.1	18.3	20.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
11.9*	4.8	5.4	6	6.3
13.9	5.9	6.6	7.2	7.6
16	6.9	7.8	8.5	9
18	8.1	9	9.8	10.3
20	9.2	10.2	11.1	11.7
20.2**	9.3	10.3	11.2	11.8
22.1	10.4	11.5	12.5	13.1
24.1	11.6	12.8	13.8	14.5
26.2	12.9	14.2	15.3	16
28.2	14.1	15.6	16.7	17.4
30.3	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-138 Twin Otter, DHC-6
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.2*	2.4	2.9	3.4	3.6
4.9	2.8	3.4	3.9	4.2
5.6	3.2	3.9	4.5	4.7
6.3	3.6	4.4	5	5.3
6.9	4	4.8	5.6	5.9
7**	4	4.8	5.6	5.9
7.7	4.4	5.3	6.1	6.5
8.4	4.8	5.8	6.7	7.1
9	5.2	6.3	7.2	7.6
9.7	5.6	6.7	7.8	8.2
10.4	6	7.2	8.3	8.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.2*	2.8	3	3	3.1
4.9	3.3	3.4	3.5	3.6
5.6	3.7	3.9	4	4.1
6.3	4.2	4.4	4.5	4.6
6.9	4.6	4.8	5	5.1
7**	4.6	4.9	5	5.1
7.7	5.1	5.3	5.5	5.6
8.4	5.5	5.8	6	6.1
9	6	6.3	6.5	6.6
9.7	6.4	6.7	7	7.1
10.4	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-150, Polaris
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
114*	28.2	30.7	35.6	47.6
128.8	32.9	36.2	43	56.7
143.6	38.1	41.9	50.6	65.8
158.5	43.1	48	58.4	75
164.9	45.4	50.7	62	79
173.3**	48.7	54.3	66.7	84.2
188.1	54.5	61.1	75	93.3
202.9	60.6	69.1	83.8	102.6
217.7	66.7	76.8	92.8	111.9
232.5	72.9	84.7	102.1	121.3
247.4	79.5	93.1	111.4	130.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
114*	27.5	32.8	38.9	44.5
128.8	32.4	38.8	46.1	52.4
143.6	37.5	45.3	53.7	60.7
158.5	43	52.1	61.6	69.2
164.9	45.4	55.1	65.1	73
173.3**	48.7	59.2	69.8	78.1
188.1	54.8	66.7	78.2	87.2
202.9	61.3	74.4	86.9	96.5
217.7	68	82.5	95.9	106
232.5	75	90.7	105.1	115.7
247.4	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from A310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CF-118
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
10.5*	8.9	8.6	8.6	8.6
13.6	11.5	11.1	11.1	11.1
16.6	14.1	13.6	13.7	13.6
19.7	16.8	16.1	16.2	16.1
22.8	19.4	18.6	18.7	18.6
25.4**	21.6	20.8	20.9	20.7
25.8	22	21.1	21.2	21.1
28.9	24.6	23.6	23.7	23.6
32	27.2	26.2	26.3	26.1
35	29.8	28.7	28.8	28.6
38.1	32.4	31.2	31.3	31.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
10.5*	8.8	8.8	8.8	8.7
13.6	11.3	11.4	11.4	11.3
16.6	13.9	14	14	13.9
19.7	16.5	16.7	16.6	16.4
22.8	19.1	19.3	19.2	19
25.4**	21.4	21.5	21.5	21.2
25.8	21.7	21.9	21.8	21.6
28.9	24.3	24.5	24.5	24.1
32	26.9	27.1	27.1	26.7
35	29.5	29.8	29.7	29.3
38.1	32.1	32.4	32.3	31.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from FA-18F which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CH-47
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.0*	4.3	5.4	6.1	7.4
17.1	5.1	6.4	7.3	8.5
19.2	5.9	7.5	8.4	9.7
21.3	6.8	8.5	9.6	10.9
22.7	7.3	9.2	10.3	11.7
23.4**	7.7	9.5	10.7	12.1
25.6	8.9	10.7	11.9	13.3
27.7	9.9	12.0	13.1	14.5
29.8	11.0	13.3	14.2	15.7
31.9	12.2	14.4	15.4	16.9
34.0	13.5	15.5	16.5	18.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
15.0*	5.5	6.0	6.4	6.7
17.1	6.4	7.0	7.5	7.9
19.2	7.4	8.1	8.7	9.0
21.3	8.5	9.2	9.8	10.2
22.7	9.1	9.9	10.5	10.9
23.4**	9.5	10.3	11.0	11.4
25.6	10.6	11.5	12.1	12.6
27.7	11.7	12.6	13.4	13.8
29.8	12.8	13.8	14.6	15.0
31.9	14.0	15.0	15.8	16.3
34.0	15.2	16.3	17.1	17.5

* Minimum operating weight

** Maximum takeoff weight

CH-53E Super Stallion

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.9*	4.8	4.8	5.3	6.1
15.8	6.6	6.8	7.5	8.6
19.8	8.6	8.9	10.0	11.1
23.7	10.6	11.1	12.5	13.5
27.7	12.8	13.5	15.1	16.0
31.6**	14.9	16.1	17.6	18.5
31.7	14.9	16.1	17.6	18.5
35.6	17.5	18.6	19.9	20.7
39.6	20.1	21.4	22.4	23.2
43.5	22.6	24.0	24.9	25.7
47.5	25.3	26.7	27.5	28.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
11.9*	5.4	5.7	6.0	6.2
15.8	7.6	8.0	8.4	8.6
19.8	9.9	10.4	10.9	11.1
23.7	12.3	13.0	13.4	13.7
27.7	14.8	15.6	16.1	16.4
31.6**	17.4	18.2	18.8	19.1
31.7	17.4	18.2	18.8	19.1
35.6	20.1	21.0	21.6	21.9
39.6	22.8	23.8	24.4	24.7
43.5	25.6	26.6	27.3	27.5
47.5	28.4	29.5	30.2	30.4

* Minimum operating weight

** Maximum takeoff weight

CH-53K
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.8*	8.5	8.6	9.7	11.1
24.3	10.7	11.1	12.6	13.9
28.7	13.1	13.7	15.5	16.8
33.2	15.4	16.3	18.4	19.6
37.6	18.1	19.4	21.3	22.3
39.9**	19.5	21.0	22.8	23.7
42.1	20.8	22.6	24.3	25.1
46.5	23.7	25.5	27.2	28.0
51.0	26.7	28.4	30.1	30.8
55.4	29.7	31.5	32.7	33.7
59.9	32.6	34.5	35.6	36.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
19.8*	9.6	10.2	10.7	11.0
24.3	12.2	13.0	13.6	13.9
28.7	15.0	15.9	16.5	16.9
33.2	17.8	18.8	19.5	19.9
37.6	20.8	21.9	22.6	23.0
39.9**	22.3	23.5	24.3	24.6
42.1	23.8	25.0	25.8	26.2
46.5	26.9	28.2	29.0	29.4
51.0	30.1	31.4	32.3	32.6
55.4	33.3	34.7	35.6	36.0
59.9	36.6	38.1	39.0	39.3

* Minimum operating weight

** Maximum takeoff weight

Chinook MH-457E

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.2*	2.7	3.5	4.3	5.3
14.9	3.4	4.5	5.4	6.7
17.7	4.2	5.6	6.7	8.2
20.4	5.1	6.7	8.1	9.7
23.1	5.9	8.0	9.5	11.2
24.5**	6.5	8.5	10.2	12.0
25.8	7.0	9.1	11.0	12.7
28.6	8.2	10.4	12.3	14.2
31.3	9.4	11.9	13.7	15.7
34.0	10.6	13.3	15.2	17.3
36.7	11.9	14.8	16.7	18.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.2*	3.6	4.0	4.4	4.7
14.9	4.6	5.1	5.6	6.0
17.7	5.6	6.3	6.9	7.3
20.4	6.7	7.5	8.2	8.6
23.1	7.9	8.8	9.5	10.0
24.5**	8.5	9.4	10.2	10.7
25.8	9.1	10.1	10.9	11.4
28.6	10.3	11.4	12.2	12.8
31.3	11.6	12.7	13.7	14.3
34.0	12.9	14.1	15.1	15.7
36.7	14.2	15.5	16.5	17.2

* Minimum operating weight

** Maximum takeoff weight

Citation II 550, C550

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.2*	2.4	2.9	3.4	3.6
4.9	2.8	3.4	3.9	4.2
5.6	3.2	3.9	4.5	4.7
6.3	3.6	4.4	5	5.3
6.9	4	4.8	5.6	5.9
7**	4	4.8	5.6	5.9
7.7	4.4	5.3	6.1	6.5
8.4	4.8	5.8	6.7	7.1
9	5.2	6.3	7.2	7.6
9.7	5.6	6.7	7.8	8.2
10.4	6	7.2	8.3	8.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.2*	2.8	3	3	3.1
4.9	3.3	3.4	3.5	3.6
5.6	3.7	3.9	4	4.1
6.3	4.2	4.4	4.5	4.6
6.9	4.6	4.8	5	5.1
7**	4.6	4.9	5	5.1
7.7	5.1	5.3	5.5	5.6
8.4	5.5	5.8	6	6.1
9	6	6.3	6.5	6.6
9.7	6.4	6.7	7	7.1
10.4	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Citation III 650, C650

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.2*	2.5	2.7	2.9	3.3
7.4	3	3.3	3.5	4.1
8.6	3.5	3.9	4.3	4.9
9.7	4.1	4.5	4.9	5.8
10.9	4.7	5.1	5.7	6.7
11.2**	4.8	5.2	5.8	6.9
12.1	5.3	5.8	6.4	7.5
13.3	6	6.5	7.2	8.4
14.4	6.7	7.1	8	9.3
15.6	7.4	7.8	8.8	10.1
16.8	8	8.5	9.7	11

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
6.2*	2.8	3	3.2	3.4
7.4	3.4	3.7	3.9	4.1
8.6	4	4.4	4.7	4.9
9.7	4.7	5.1	5.4	5.7
10.9	5.4	5.8	6.2	6.5
11.2**	5.6	6	6.4	6.7
12.1	6.1	6.6	7	7.3
13.3	6.8	7.4	7.8	8.1
14.4	7.6	8.1	8.6	8.9
15.6	8.3	8.9	9.4	9.8
16.8	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CL-44 Yukon
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
51.7*	11.1	11.5	13	16.2
65.3	14.5	15.3	17.5	23
78.9	18.3	19.7	22.6	30.5
92.5	22.2	24.2	28.5	38.5
106.1	26.3	29.1	34.9	46.6
116.1**	29.5	32.9	40	52.5
119.8	30.7	34.2	41.9	54.7
133.4	35.6	39.8	49.3	62.9
147	40.7	45.7	57.1	71.1
160.6	46	52.7	65.3	79.2
174.2	51.5	59.7	73.4	87.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
51.7*	10.8	12.2	14.3	16.5
65.3	14.2	16.6	19.6	22.5
78.9	18.1	21.4	25.4	29.1
92.5	22.3	26.7	31.7	36
106.1	26.8	32.4	38.3	43.2
116.1**	30.4	36.8	43.4	48.8
119.8	31.8	38.5	45.3	50.8
133.4	37.1	44.9	52.6	58.7
147	42.7	51.7	60.2	66.8
160.6	48.6	58.7	68.1	75.2
174.2	54.8	66	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from Boeing 757-200PF which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CN-235 (Civil)
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	2.7	3.4	4.0	4.4
11.6	3.2	4.0	4.6	5.2
13.2	3.7	4.6	5.4	6.0
14.9	4.2	5.2	6.1	6.8
16.5	4.7	5.9	6.8	7.7
16.5**	4.7	5.9	6.8	7.7
18.2	5.2	6.5	7.6	8.6
19.8	5.8	7.2	8.3	9.5
21.5	6.3	7.9	9.1	10.4
23.1	6.9	8.6	9.9	11.4
24.8	7.5	9.2	10.7	12.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	3.5	3.7	4.0	4.3
11.6	4.1	4.4	4.8	5.1
13.2	4.7	5.1	5.5	5.9
14.9	5.3	5.8	6.3	6.8
16.5	5.9	6.5	7.1	7.6
16.5**	5.9	6.5	7.1	7.6
18.2	6.6	7.3	7.9	8.5
19.8	7.2	8.0	8.8	9.4
21.5	7.9	8.8	9.6	10.3
23.1	8.6	9.5	10.5	11.3
24.8	9.3	10.3	11.3	12.2

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL Low Pressure Tires)

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	1.9	2.6	3.5	4.1
11.6	2.2	3.0	4.1	4.9
13.2	2.6	3.5	4.8	5.7
14.9	3.0	4.0	5.4	6.5
16.5	3.3	4.6	6.0	7.3
16.5**	3.3	4.6	6.0	7.3
18.2	3.7	5.1	6.7	8.2
19.8	4.1	5.6	7.4	9.0
21.5	4.5	6.1	8.1	9.9
23.1	4.9	6.6	8.8	10.8
24.8	5.3	7.2	9.6	11.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	2.9	3.2	3.5	3.8
11.6	3.4	3.8	4.2	4.6
13.2	3.9	4.3	4.8	5.3
14.9	4.4	4.9	5.5	6.1
16.5	4.9	5.5	6.2	6.9
16.5**	4.9	5.5	6.2	6.9
18.2	5.4	6.2	7.0	7.7
19.8	5.9	6.8	7.7	8.5
21.5	6.5	7.5	8.5	9.3
23.1	7.0	8.1	9.2	10.2
24.8	7.6	8.8	10.0	11.0

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL)
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	2.9	3.5	4.0	4.4
11.6	3.4	4.1	4.7	5.2
13.2	3.9	4.8	5.4	6.0
14.9	4.5	5.4	6.1	6.9
16.5	5.0	6.1	6.8	7.8
16.5**	5.0	6.1	6.8	7.8
18.2	5.6	6.8	7.6	8.7
19.8	6.1	7.5	8.3	9.7
21.5	6.7	8.1	9.1	10.6
23.1	7.3	8.8	9.9	11.6
24.8	7.9	9.5	10.7	12.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	3.6	3.8	4.1	4.4
11.6	4.2	4.5	4.9	5.2
13.2	4.8	5.2	5.7	6.0
14.9	5.5	6.0	6.5	6.9
16.5	6.1	6.7	7.3	7.8
16.5**	6.1	6.7	7.3	7.8
18.2	6.8	7.5	8.1	8.7
19.8	7.5	8.2	9.0	9.6
21.5	8.2	9.0	9.8	10.5
23.1	8.9	9.8	10.7	11.5
24.8	9.6	10.6	11.6	12.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 1

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	2.7	3.4	4.0	4.4
11.6	3.2	4.0	4.6	5.2
13.2	3.7	4.6	5.4	6.0
14.9	4.2	5.2	6.1	6.8
16.5	4.7	5.9	6.8	7.7
16.5**	4.7	5.9	6.8	7.7
18.2	5.2	6.5	7.6	8.6
19.8	5.8	7.2	8.3	9.5
21.5	6.3	7.9	9.1	10.4
23.1	6.9	8.6	9.9	11.4
24.8	7.5	9.2	10.7	12.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	3.5	3.7	4.0	4.3
11.6	4.1	4.4	4.8	5.1
13.2	4.7	5.1	5.5	5.9
14.9	5.3	5.8	6.3	6.8
16.5	5.9	6.5	7.1	7.6
16.5**	5.9	6.5	7.1	7.6
18.2	6.6	7.3	7.9	8.5
19.8	7.2	8.0	8.8	9.4
21.5	7.9	8.8	9.6	10.3
23.1	8.6	9.5	10.5	11.3
24.8	9.3	10.3	11.3	12.2

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 2

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	2.9	3.5	4.0	4.4
11.6	3.4	4.1	4.7	5.2
13.2	3.9	4.8	5.4	6.0
14.9	4.5	5.4	6.1	6.9
16.5	5.0	6.1	6.8	7.8
16.5**	5.0	6.1	6.8	7.8
18.2	5.6	6.8	7.6	8.7
19.8	6.1	7.5	8.3	9.7
21.5	6.7	8.1	9.1	10.6
23.1	7.3	8.8	9.9	11.6
24.8	7.9	9.5	10.7	12.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.9*	3.6	3.8	4.1	4.4
11.6	4.2	4.5	4.9	5.2
13.2	4.8	5.2	5.7	6.0
14.9	5.5	6.0	6.5	6.9
16.5	6.1	6.7	7.3	7.8
16.5**	6.1	6.7	7.3	7.8
18.2	6.8	7.5	8.1	8.7
19.8	7.5	8.2	9.0	9.6
21.5	8.2	9.0	9.8	10.5
23.1	8.9	9.8	10.7	11.5
24.8	9.6	10.6	11.6	12.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 3
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
9.9*	1.9	2.6	3.5	4.1
11.6	2.2	3.0	4.1	4.9
13.2	2.6	3.5	4.8	5.7
14.9	3.0	4.0	5.4	6.5
16.5	3.3	4.6	6.0	7.3
16.5**	3.3	4.6	6.0	7.3
18.2	3.7	5.1	6.7	8.2
19.8	4.1	5.6	7.4	9.0
21.5	4.5	6.1	8.1	9.9
23.1	4.9	6.6	8.8	10.8
24.8	5.3	7.2	9.6	11.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
9.9*	2.9	3.2	3.5	3.8
11.6	3.4	3.8	4.2	4.6
13.2	3.9	4.3	4.8	5.3
14.9	4.4	4.9	5.5	6.1
16.5	4.9	5.5	6.2	6.9
16.5**	4.9	5.5	6.2	6.9
18.2	5.4	6.2	7.0	7.7
19.8	5.9	6.8	7.7	8.5
21.5	6.5	7.5	8.5	9.3
23.1	7.0	8.1	9.2	10.2
24.8	7.6	8.8	10.0	11.0

* Minimum operating weight

** Maximum takeoff weight

CT-114 Tutor (Canadair CL-41A)

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.3*	2.1	2	2	2
2.5	2.3	2.2	2.2	2.2
2.7	2.5	2.4	2.4	2.4
3	2.7	2.6	2.6	2.6
3	2.7	2.6	2.6	2.6
3.2**	2.9	2.8	2.8	2.8
3.5	3.2	3	3	3
3.7	3.4	3.3	3.2	3.2
3.9	3.6	3.5	3.5	3.4
4.2	3.8	3.7	3.7	3.6
4.4	4	3.9	3.9	3.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.3*	2	2	2	2
2.5	2.2	2.2	2.2	2.2
2.7	2.4	2.5	2.4	2.4
3	2.6	2.7	2.6	2.6
3	2.7	2.7	2.7	2.6
3.2**	2.9	2.9	2.9	2.9
3.5	3.1	3.1	3.1	3.1
3.7	3.3	3.3	3.3	3.3
3.9	3.5	3.6	3.6	3.5
4.2	3.8	3.8	3.8	3.7
4.4	4	4	4	4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CT-156, T-6A-1 (Harvard II)
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
2.3*	2.1	2	2	2
2.5	2.3	2.2	2.2	2.2
2.7	2.5	2.4	2.4	2.4
3	2.7	2.6	2.6	2.6
3	2.7	2.6	2.6	2.6
3.2**	2.9	2.8	2.8	2.8
3.5	3.2	3	3	3
3.7	3.4	3.3	3.2	3.2
3.9	3.6	3.5	3.5	3.4
4.2	3.8	3.7	3.7	3.6
4.4	4	3.9	3.9	3.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
2.3*	2	2	2	2
2.5	2.2	2.2	2.2	2.2
2.7	2.4	2.5	2.4	2.4
3	2.6	2.7	2.6	2.6
3	2.7	2.7	2.7	2.6
3.2**	2.9	2.9	2.9	2.9
3.5	3.1	3.1	3.1	3.1
3.7	3.3	3.3	3.3	3.3
3.9	3.5	3.6	3.6	3.5
4.2	3.8	3.8	3.8	3.7
4.4	4	4	4	4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CV-22
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
20.9*	7.9	8.6	9.5	11.3
23.1	8.9	9.6	11.0	12.7
25.4	9.9	10.8	12.3	14.2
27.4	10.9	11.9	13.6	15.5
27.6	11.0	12.0	13.7	15.6
29.9**	12.1	13.2	15.2	17.0
32.1	13.4	14.4	16.7	18.5
34.4	14.5	15.7	18.1	19.9
36.7	15.7	17.0	19.6	21.4
38.9	17.0	18.4	21.0	22.8
41.2	18.2	20.1	22.5	24.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
20.9*	8.9	9.7	10.3	10.7
23.1	10.1	10.9	11.6	12.1
25.4	11.3	12.2	13.0	13.5
27.4	12.4	13.4	14.2	14.7
27.6	12.5	13.5	14.3	14.8
29.9**	13.8	14.9	15.7	16.3
32.1	15.0	16.2	17.1	17.7
34.4	16.4	17.6	18.5	19.1
36.7	17.7	19.0	20.0	20.6
38.9	19.0	20.4	21.5	22.1
41.2	20.4	21.8	22.9	23.6

* Minimum operating weight

** Maximum takeoff weight

CV-580 Conair/Convair
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.2*	5.2	6.2	7.0	8.5
17.9	6.3	7.6	8.6	10.4
20.6	7.4	8.9	10.2	12.4
23.3	8.6	10.5	11.8	14.5
26.0	9.8	11.9	13.4	16.6
26.4**	9.9	12.1	13.7	16.8
28.7	11.1	13.3	15.4	18.6
31.4	12.2	14.9	17.3	20.7
34.2	13.5	16.5	19.3	22.8
36.9	14.7	18.3	21.2	24.9
39.6	16.2	20.3	23.3	26.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
15.2*	5.9	6.7	7.3	7.9
17.9	7.2	8.1	8.9	9.5
20.6	8.5	9.6	10.5	11.2
23.3	9.9	11.1	12.2	13.0
26.0	11.3	12.7	13.9	14.7
26.4**	11.5	12.9	14.1	15.0
28.7	12.7	14.3	15.6	16.6
31.4	14.3	16.0	17.4	18.4
34.2	15.8	17.7	19.2	20.3
36.9	17.4	19.4	21.1	22.2
39.6	19.0	21.2	22.9	24.1

* Minimum operating weight

** Maximum takeoff weight

Dash 7
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.5*	5.3	6.0	6.6	7.9
14.5	6.3	7.1	7.9	9.3
16.4	7.4	8.3	9.4	10.7
18.3	8.4	9.4	10.8	12.2
20.0	9.4	10.5	12.1	13.4
20.3**	9.6	10.7	12.3	13.6
22.2	10.7	12.0	13.7	15.0
24.1	11.9	13.4	15.1	16.5
26.1	13.3	14.8	16.4	17.9
28.0	14.6	16.2	17.8	19.3
29.9	16.1	17.5	19.2	20.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.5*	6.1	6.7	7.1	7.4
14.5	7.3	7.9	8.4	8.8
16.4	8.5	9.2	9.8	10.2
18.3	9.8	10.6	11.2	11.5
20.0	10.9	11.7	12.3	12.8
20.3**	11.1	11.9	12.6	13.0
22.2	12.4	13.3	14.0	14.4
24.1	13.7	14.7	15.4	15.9
26.1	15.1	16.1	16.9	17.4
28.0	16.5	17.6	18.4	18.9
29.9	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

DASH-8, CC-142

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
12.5*	5.3	6	6.6	7.9
14.5	6.3	7.1	7.9	9.3
16.4	7.4	8.3	9.4	10.7
18.3	8.4	9.4	10.8	12.2
20	9.4	10.5	12.1	13.4
20.3**	9.6	10.7	12.3	13.6
22.2	10.7	12	13.7	15
24.1	11.9	13.4	15.1	16.5
26.1	13.3	14.8	16.4	17.9
28	14.6	16.2	17.8	19.3
29.9	16.1	17.5	19.2	20.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
12.5*	6.1	6.7	7.1	7.4
14.5	7.3	7.9	8.4	8.8
16.4	8.5	9.2	9.8	10.2
18.3	9.8	10.6	11.2	11.5
20	10.9	11.7	12.3	12.8
20.3**	11.1	11.9	12.6	13
22.2	12.4	13.3	14	14.4
24.1	13.7	14.7	15.4	15.9
26.1	15.1	16.1	16.9	17.4
28	16.5	17.6	18.4	18.9
29.9	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

DC-8-63F/73F
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
73.8*	17.8	19.1	21.8	28.2
92.4	23.5	25.7	29.7	38.4
111.1	29.9	32.8	39.0	49.4
129.7	36.6	40.5	48.6	61.0
148.4	43.9	48.9	58.7	72.6
161.0**	49.0	55.8	65.8	80.7
167.0	51.4	58.9	69.2	84.4
185.6	59.5	68.7	80.2	96.2
204.3	68.0	78.7	91.5	107.9
222.9	79.1	89.0	103.3	119.7
241.5	88.7	99.9	115.3	131.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
73.8*	17.9	20.7	24.3	27.7
92.4	23.9	28.2	33.1	37.4
111.1	30.5	36.3	42.6	47.9
129.7	37.8	45.3	52.8	58.9
148.4	45.8	54.8	63.6	70.4
161.0**	51.5	61.6	71.2	78.6
167.0	54.3	64.9	74.9	82.5
185.6	63.5	75.7	86.7	94.9
204.3	73.2	86.9	99.0	107.8
222.9	83.4	98.5	111.7	121.0
241.5	94.1	110.7	124.9	134.6

* Minimum operating weight

** Maximum takeoff weight

DC-9-51
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.0*	4.3	4.4	4.6	5.0
18.0	8.3	8.3	8.9	10.1
26.1	12.5	12.6	14.0	16.1
34.1	16.8	17.3	19.4	22.2
42.1	21.7	22.3	25.2	28.4
50.2**	26.6	27.6	31.4	34.5
54.9	29.5	31.0	35.1	38.1
58.2	31.6	33.4	37.7	40.7
66.3	36.8	39.9	44.0	46.9
74.3	42.3	46.2	50.3	53.1
82.3	49.1	52.7	56.6	59.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.0*	4.5	4.8	5.1	5.4
18.0	8.8	9.5	10.1	10.6
26.1	13.6	14.7	15.5	16.1
34.1	18.8	20.1	21.2	21.9
42.1	24.2	25.9	27.2	28.0
50.2**	29.8	31.8	33.4	34.2
54.9	33.2	35.4	37.1	38.0
58.2	35.7	38.0	39.7	40.6
66.3	41.8	44.4	46.2	47.2
74.3	48.1	50.9	52.9	53.8
82.3	54.5	57.6	59.7	60.6

* Minimum operating weight

** Maximum takeoff weight

DC-10-40
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
122.8*	21.0	21.4	24.2	29.8
153.3	27.1	28.5	32.0	41.0
183.7	33.6	35.4	40.5	54.2
214.1	40.2	43.2	49.8	68.3
244.5	47.3	51.6	60.6	83.1
264.4**	52.0	57.1	68.0	92.7
275.0	54.5	60.1	72.0	97.9
305.4	63.1	69.4	84.3	112.8
335.8	71.6	79.2	97.9	127.7
366.2	80.2	89.2	112.2	142.9
396.7	88.9	101.4	127.1	158.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
122.8*	19.8	21.4	24.3	28.0
153.3	25.0	27.8	32.4	37.6
183.7	30.5	34.8	41.3	48.0
214.1	36.4	42.5	50.9	59.1
244.5	42.7	50.8	61.1	71.0
264.4**	47.0	56.5	68.2	78.9
275.0	49.4	59.6	72.0	83.2
305.4	56.6	69.0	83.6	96.1
335.8	64.2	79.0	95.5	109.4
366.2	72.4	89.5	108.0	123.1
396.7	81.0	100.5	120.9	137.4

* Minimum operating weight

** Maximum takeoff weight

DO-328
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.9*	2.7	3.6	4.4	5.5
10.3	3.2	4.3	5.2	6.5
11.6	3.8	5.0	6.1	7.5
12.9	4.3	5.7	7.0	8.6
14.0	4.7	6.4	7.8	9.4
14.3**	4.9	6.5	8.0	9.6
15.6	5.5	7.4	8.9	10.7
17.0	6.2	8.3	9.9	11.7
18.3	6.8	9.1	10.9	12.7
19.6	7.6	10.0	11.9	13.8
21.0	8.5	11.0	12.8	14.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
8.9*	3.7	4.2	4.6	4.9
10.3	4.4	4.9	5.4	5.8
11.6	5.1	5.7	6.3	6.6
12.9	5.8	6.5	7.1	7.6
14.0	6.4	7.2	7.8	8.3
14.3**	6.6	7.4	8.0	8.5
15.6	7.4	8.2	8.9	9.4
17.0	8.2	9.1	9.9	10.4
18.3	9.0	10.0	10.8	11.3
19.6	9.9	10.9	11.8	12.3
21.0	10.7	11.9	12.7	13.3

* Minimum operating weight

** Maximum takeoff weight

Dominie T Mk1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.2*	2.5	2.7	2.9	3.3
7.4	3	3.3	3.5	4.1
8.6	3.5	3.9	4.3	4.9
9.7	4.1	4.5	4.9	5.8
10.9	4.7	5.1	5.7	6.7
11.2**	4.8	5.2	5.8	6.9
12.1	5.3	5.8	6.4	7.5
13.3	6	6.5	7.2	8.4
14.4	6.7	7.1	8	9.3
15.6	7.4	7.8	8.8	10.1
16.8	8	8.5	9.7	11

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
6.2*	2.8	3	3.2	3.4
7.4	3.4	3.7	3.9	4.1
8.6	4	4.4	4.7	4.9
9.7	4.7	5.1	5.4	5.7
10.9	5.4	5.8	6.2	6.5
11.2**	5.6	6	6.4	6.7
12.1	6.1	6.6	7	7.3
13.3	6.8	7.4	7.8	8.1
14.4	7.6	8.1	8.6	8.9
15.6	8.3	8.9	9.4	9.8
16.8	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Dragonfly, A37
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.7*	2.7	3	3	3.2
4.4	3.1	3.5	3.6	3.7
5	3.6	4	4.1	4.3
5.7	4.1	4.5	4.6	4.8
6.3	4.5	5	5.2	5.3
6.4**	4.6	5.1	5.2	5.4
6.9	5	5.5	5.7	5.9
7.6	5.4	6	6.2	6.4
8.2	5.9	6.6	6.7	7
8.9	6.4	7.1	7.3	7.5
9.5	6.8	7.6	7.8	8.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.7*	2.8	2.8	2.9	2.9
4.4	3.2	3.3	3.4	3.4
5	3.7	3.8	3.9	3.9
5.7	4.2	4.3	4.4	4.4
6.3	4.7	4.8	4.9	4.9
6.4**	4.7	4.9	4.9	5
6.9	5.2	5.3	5.4	5.4
7.6	5.7	5.8	5.9	5.9
8.2	6.1	6.3	6.4	6.4
8.9	6.6	6.8	6.9	6.9
9.5	7.1	7.3	7.4	7.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-37B TWEET which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

E-2C Hawkeye
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.3*	17.5	17.0	16.7	16.5
19.3	19.5	18.9	18.7	18.4
21.3	21.5	20.9	20.6	20.3
23.3	23.5	22.9	22.5	22.2
23.5	23.8	23.1	22.8	22.5
25.3**	25.6	24.8	24.5	24.1
27.3	27.6	26.8	26.4	26.1
29.3	29.6	28.8	28.3	28.0
31.3	31.6	30.7	30.3	29.9
33.3	33.6	32.7	32.2	31.8
35.3	35.7	34.7	34.2	33.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
17.3*	18.2	18.2	18.0	17.7
19.3	20.3	20.3	20.1	19.8
21.3	22.5	22.4	22.2	21.8
23.3	24.6	24.6	24.3	23.9
23.5	24.9	24.9	24.6	24.2
25.3**	26.8	26.7	26.5	26.0
27.3	28.9	28.9	28.6	28.0
29.3	31.0	31.0	30.7	30.1
31.3	33.2	33.2	32.8	32.2
33.3	35.4	35.3	34.9	34.3
35.3	37.5	37.5	37.1	36.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Afloat)

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.1*	20.7	20.1	19.6	19.3
22.2	22.9	22.2	21.7	21.3
24.4	25.1	24.3	23.7	23.3
26.1	26.9	26.0	25.4	25.0
26.5	27.3	26.4	25.8	25.3
28.6**	29.4	28.5	27.8	27.4
30.7	31.6	30.6	29.9	29.4
32.8	33.8	32.7	31.9	31.4
34.9	36.0	34.8	34.0	33.4
37.0	38.1	37.0	36.0	35.4
39.1	40.3	39.1	38.1	37.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
20.1*	21.9	21.8	21.6	21.1
22.2	24.2	24.2	23.8	23.4
24.4	26.6	26.5	26.1	25.6
26.1	28.5	28.4	28.0	27.4
26.5	28.9	28.8	28.4	27.8
28.6**	31.3	31.1	30.7	30.1
30.7	33.6	33.5	33.0	32.3
32.8	36.0	35.8	35.3	34.6
34.9	38.3	38.2	37.6	36.8
37.0	40.7	40.5	39.9	39.0
39.1	43.0	42.8	42.2	41.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Shore)

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
20.1*	20.1	19.5	19.3	19.1
22.2	22.2	21.5	21.4	21.1
24.4	24.3	23.6	23.4	23.1
26.1	26.1	25.2	25.1	24.8
26.5	26.5	25.6	25.4	25.2
28.6**	28.6	27.6	27.5	27.2
30.7	30.7	29.7	29.5	29.2
32.8	32.8	31.7	31.5	31.2
34.9	34.9	33.8	33.5	33.2
37.0	37.0	35.8	35.6	35.2
39.1	39.1	37.8	37.6	37.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
20.1*	20.6	20.6	20.5	20.2
22.2	22.8	22.8	22.7	22.3
24.4	25.0	25.0	24.8	24.4
26.1	26.8	26.8	26.6	26.2
26.5	27.2	27.2	27.0	26.6
28.6**	29.3	29.4	29.2	28.7
30.7	31.5	31.6	31.4	30.8
32.8	33.7	33.8	33.5	33.0
34.9	35.9	36.0	35.7	35.1
37.0	38.1	38.2	37.9	37.2
39.1	40.3	40.4	40.1	39.4

* Minimum operating weight

** Maximum takeoff weight

E-3 Sentry AWAC
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
82.0*	18.9	20.2	22.7	29.5
97.4	23.2	25.0	28.6	37.6
112.9	27.8	30.4	35.5	46.3
128.4	32.6	36.0	42.7	55.4
143.8	38.2	41.9	50.4	64.8
147.4**	39.4	43.4	52.3	67.0
159.3	43.5	48.3	58.5	74.2
174.7	49.4	54.9	66.9	83.7
190.2	55.4	62.8	75.5	93.2
205.7	61.7	70.6	84.3	102.8
221.1	68.1	78.7	93.5	112.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
82.0*	18.5	21.3	24.9	28.6
97.4	22.9	26.8	31.6	36.0
112.9	27.6	32.7	38.6	44.0
128.4	32.7	39.1	46.2	52.2
143.8	38.2	45.9	54.1	60.9
147.4**	39.5	47.6	56.0	62.9
159.3	44.1	53.1	62.3	69.8
174.7	50.2	60.6	71.0	79.0
190.2	56.7	68.5	79.7	88.5
205.7	63.6	76.6	88.9	98.2
221.1	70.8	85.2	98.4	108.2

* Minimum operating weight

** Maximum takeoff weight

E-4B National Airborne Operations Center

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
209.3*	23.8	25.3	28.4	37.0
246.5	28.9	30.9	35.2	47.3
283.8	34.2	37.2	42.6	58.2
321.0	39.7	43.7	51.4	69.5
358.2	46.3	50.5	60.5	80.8
362.9**	47.1	51.4	61.7	82.2
395.4	52.6	57.8	70.4	92.1
432.7	59.2	65.3	80.8	103.6
469.9	66.1	74.4	91.5	115.1
507.1	73.1	83.1	102.8	126.5
544.3	80.7	92.4	114.2	137.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
209.3*	23.0	26.1	30.6	35.2
246.5	27.9	32.3	38.2	43.9
283.8	33.2	39.1	46.3	53.1
321.0	38.8	46.3	54.9	62.7
358.2	44.8	53.9	64.0	72.7
362.9**	45.6	54.9	65.2	73.9
395.4	51.2	62.0	73.5	83.0
432.7	58.0	70.4	83.3	93.7
469.9	65.2	79.3	93.5	104.7
507.1	72.8	88.5	104.0	116.0
544.3	80.7	98.1	114.7	127.6

* Minimum operating weight

** Maximum takeoff weight

E-8C Joint Stars
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
77.6*	17.7	18.4	21.2	27.4
94.4	22.2	23.8	27.4	36.1
111.1	27.2	29.6	34.8	45.5
127.9	32.4	35.6	42.6	55.4
144.7	38.2	42.4	51.1	65.6
152.4**	40.9	45.5	55.1	70.3
161.5	44.2	49.3	59.8	75.8
178.3	50.4	56.5	69.1	86.3
195.0	57.1	65.4	78.4	96.6
211.8	63.8	74.0	88.4	106.9
228.6	71.1	82.7	98.4	117.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
77.6*	16.9	19.4	22.8	26.2
94.4	21.4	25.1	29.7	34.1
111.1	26.3	31.3	37.3	42.6
127.9	31.7	38.1	45.3	51.5
144.7	37.5	45.5	53.8	60.8
152.4**	40.3	48.9	57.9	65.2
161.5	43.8	53.2	62.8	70.5
178.3	50.4	61.3	72.1	80.6
195.0	57.4	69.8	81.7	90.9
211.8	64.9	78.8	91.7	101.5
228.6	72.7	88.0	102.0	112.4

* Minimum operating weight

** Maximum takeoff weight

EC-130E Commando Solo
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
35.4*	12.1	14.0	15.0	16.8
44.7	15.5	18.0	19.4	22.2
54.0	18.9	22.1	23.8	27.6
63.3	22.7	26.5	28.5	33.2
72.6	26.4	30.9	33.3	39.2
79.4**	29.1	34.1	36.9	43.8
81.9	30.1	35.3	38.3	45.4
91.2	33.9	40.0	43.4	51.9
100.5	37.9	44.8	48.6	58.5
109.8	42.1	49.6	53.7	65.3
119.1	46.3	54.4	60.1	72.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
35.4*	13.7	14.7	15.7	16.7
44.7	17.5	18.9	20.5	21.7
54.0	21.4	23.4	25.3	27.0
63.3	25.5	28.0	30.4	32.4
72.6	29.7	32.7	35.6	38.0
79.4**	32.8	36.3	39.6	42.1
81.9	34.0	37.6	41.0	43.6
91.2	38.4	42.6	46.5	49.5
100.5	42.9	47.8	52.2	55.4
109.8	47.6	53.0	58.0	61.5
119.1	52.4	58.5	63.8	67.7

* Minimum operating weight

** Maximum takeoff weight

EC-130H Compass Call
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
35.4*	12.3	14.2	15.1	16.9
44.7	15.7	18.3	19.4	21.9
54.0	19.2	22.5	23.9	27.6
63.3	23.1	26.9	28.7	33.3
72.6	27.0	31.4	33.5	39.3
79.4**	29.9	34.6	37.0	43.8
81.9	31.0	35.8	38.4	45.5
91.2	35.1	40.4	43.5	51.9
100.5	39.2	45.1	48.8	58.6
109.8	43.4	49.8	54.0	65.3
119.1	47.6	54.6	60.2	72.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
35.4*	13.9	14.9	15.9	16.9
44.7	17.8	19.2	20.7	22.0
54.0	21.8	23.7	25.6	27.3
63.3	25.9	28.4	30.8	32.7
72.6	30.2	33.2	36.1	38.3
79.4**	33.4	36.8	40.0	42.5
81.9	34.6	38.1	41.5	44.1
91.2	39.0	43.2	47.1	49.9
100.5	43.7	48.4	52.7	55.9
109.8	48.4	53.8	58.6	62.0
119.1	53.3	59.2	64.5	68.3

* Minimum operating weight

** Maximum takeoff weight

EC-130J Commando Solo
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
49.7*	19.5	21.6	22.4	25.1
57.4	23.0	25.2	26.3	29.7
65.1	26.4	28.9	30.2	34.8
72.8	29.9	32.6	34.3	39.8
79.4	32.9	36.0	37.8	44.4
80.5**	33.5	36.5	38.4	45.1
88.2	37.1	40.4	43.2	50.5
95.9	40.7	44.4	47.9	56.1
103.7	44.3	48.5	52.8	61.9
111.4	48.1	52.6	57.4	67.7
119.1	51.9	56.8	62.0	73.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
49.7*	21.4	23.0	24.6	25.9
57.4	25.0	27.0	29.0	30.6
65.1	28.7	31.1	33.5	35.3
72.8	32.5	35.4	38.1	40.2
79.4	35.8	39.1	42.1	44.4
80.5**	36.4	39.7	42.8	45.1
88.2	40.4	44.2	47.6	50.2
95.9	44.4	48.7	52.5	55.3
103.7	48.6	53.3	57.5	60.5
111.4	52.8	58.0	62.5	65.8
119.1	57.1	62.8	67.7	71.1

* Minimum operating weight

** Maximum takeoff weight

EC-130J Super J

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
38.0*	14.7	16.3	16.6	18.5
46.8	18.2	20.3	20.9	23.5
55.5	22.2	24.3	25.3	28.6
64.3	26.1	28.5	29.8	34.3
73.1	30.0	32.8	34.4	40.0
77.9**	32.3	35.2	37.0	43.3
81.8	34.1	37.2	39.1	46.1
90.6	38.2	41.6	44.6	52.2
99.4	42.3	46.2	50.1	58.7
108.1	46.5	50.9	55.5	65.3
116.9	50.9	55.6	60.7	72.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
38.0*	16.0	17.1	18.2	19.1
46.8	20.0	21.5	23.0	24.2
55.5	24.1	26.0	27.9	29.5
64.3	28.3	30.7	33.0	34.8
73.1	32.6	35.5	38.2	40.3
77.9**	35.1	38.2	41.2	43.5
81.8	37.1	40.5	43.6	46.0
90.6	41.6	45.5	49.1	51.7
99.4	46.3	50.7	54.7	57.6
108.1	51.0	56.0	60.4	63.6
116.9	55.9	61.4	66.2	69.6

* Minimum operating weight

** Maximum takeoff weight

EC-135A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
54.1*	11.4	11.5	12.6	15.5
70.9	15.3	15.9	18.0	22.9
87.7	19.8	20.8	23.7	31.1
104.5	24.4	25.8	30.1	39.8
121.3	29.2	31.4	37.6	49.1
136.8**	33.7	37.0	44.7	58.0
138.1	34.1	37.5	45.3	58.8
154.8	40.2	44.0	53.6	68.9
171.6	45.8	50.7	62.1	79.0
188.4	51.8	58.0	71.1	89.4
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
54.1*	10.6	11.4	13.0	15.0
70.9	14.1	15.8	18.4	21.4
87.7	17.9	20.6	24.5	28.6
104.5	22.0	26.0	31.2	36.2
121.3	26.5	31.8	38.4	44.4
136.8**	30.9	37.7	45.5	52.4
138.1	31.3	38.1	46.1	53.0
154.8	36.5	44.9	54.1	62.0
171.6	42.1	52.1	62.6	71.3
188.4	48.1	59.7	71.5	81.0
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135C
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
61.5*	13.1	13.4	15.0	18.7
77.5	17.1	17.7	20.2	26.0
93.4	21.3	22.5	25.9	34.0
109.4	25.8	27.4	32.1	42.5
125.4	30.4	32.9	39.4	51.5
136.8**	33.7	37.0	44.7	58.0
141.3	35.1	38.7	46.8	60.7
157.3	41.1	45.0	54.8	70.3
173.3	46.3	51.4	63.0	80.0
189.2	52.1	58.3	71.5	89.9
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
61.5*	12.1	13.3	15.3	17.7
77.5	15.5	17.6	20.8	24.2
93.4	19.3	22.4	26.7	31.1
109.4	23.4	27.6	33.3	38.6
125.4	27.6	33.4	40.2	46.5
136.8**	30.9	37.7	45.5	52.4
141.3	32.3	39.4	47.6	54.8
157.3	37.3	45.9	55.4	63.3
173.3	42.7	52.8	63.6	72.2
189.2	48.4	60.1	71.9	81.4
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135E
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
52.6*	11.1	11.1	12.2	15.0
69.6	15.0	15.5	17.6	22.2
86.5	19.5	20.4	23.3	30.5
103.5	24.1	25.5	29.7	39.2
120.4	29.0	31.1	37.2	48.7
136.8**	33.7	37.0	44.7	58.0
137.4	33.9	37.2	44.9	58.4
154.3	40.1	43.8	53.3	68.6
171.3	45.7	50.6	61.9	78.8
188.3	51.7	57.9	71.0	89.3
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
52.6*	10.3	11.1	12.5	14.4
69.6	13.8	15.4	18.0	20.9
86.5	17.6	20.3	24.1	28.1
103.5	21.9	25.7	30.8	35.8
120.4	26.3	31.6	38.0	44.0
136.8**	30.9	37.7	45.5	52.4
137.4	31.1	37.9	45.7	52.7
154.3	36.4	44.7	53.9	61.7
171.3	42.0	52.0	62.5	71.1
188.3	48.0	59.6	71.4	80.9
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135G
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
55.7*	11.8	11.9	13.1	16.1
72.3	15.7	16.3	18.5	23.5
88.9	20.1	21.1	24.2	31.7
105.5	24.7	26.1	30.5	40.4
122.2	29.5	31.7	38.0	49.6
136.8**	33.7	37.0	44.7	58.0
138.8	34.3	37.7	45.6	59.2
155.4	40.4	44.2	53.8	69.2
172.0	45.9	50.8	62.3	79.2
188.6	51.8	58.0	71.2	89.5
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
55.7*	10.9	11.8	13.5	15.5
72.3	14.4	16.2	18.9	22.0
88.9	18.2	21.0	25.0	29.1
105.5	22.4	26.3	31.6	36.7
122.2	26.7	32.2	38.8	44.9
136.8**	30.9	37.7	45.5	52.4
138.8	31.5	38.4	46.4	53.4
155.4	36.7	45.1	54.4	62.2
172.0	42.2	52.3	62.8	71.5
188.6	48.1	59.8	71.6	81.1
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135H
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
63.2*	13.5	13.8	15.5	19.4
79.0	17.5	18.1	20.7	26.8
94.8	21.7	22.9	26.4	34.6
110.6	26.1	27.7	32.6	43.1
126.3	30.7	33.2	39.8	52.0
136.8**	33.7	37.0	44.7	58.0
142.1	35.4	39.0	47.2	61.2
157.9	41.3	45.2	55.1	70.7
173.7	46.5	51.5	63.2	80.3
189.4	52.1	58.4	71.6	90.0
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
63.2*	12.5	13.7	15.9	18.4
79.0	15.9	18.0	21.3	24.8
94.8	19.6	22.8	27.3	31.7
110.6	23.6	28.0	33.7	39.2
126.3	27.9	33.7	40.7	47.0
136.8**	30.9	37.7	45.5	52.4
142.1	32.5	39.7	48.0	55.2
157.9	37.5	46.2	55.6	63.6
173.7	42.8	53.0	63.8	72.5
189.4	48.5	60.2	72.0	81.6
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135J
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
62.6*	13.4	13.7	15.3	19.1
78.5	17.4	18.0	20.5	26.5
94.3	21.6	22.8	26.2	34.4
110.2	26.0	27.6	32.4	42.9
126.0	30.6	33.1	39.7	51.8
136.8**	33.7	37.0	44.7	58.0
141.8	35.3	38.9	47.1	61.0
157.7	41.2	45.1	55.0	70.6
173.5	46.4	51.5	63.1	80.2
189.4	52.1	58.4	71.6	90.0
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
62.6*	12.3	13.6	15.7	18.2
78.5	15.8	17.9	21.1	24.6
94.3	19.5	22.7	27.1	31.5
110.2	23.5	27.9	33.6	39.0
126.0	27.8	33.6	40.5	46.8
136.8**	30.9	37.7	45.5	52.4
141.8	32.5	39.6	47.8	55.0
157.7	37.5	46.1	55.5	63.5
173.5	42.8	52.9	63.6	72.4
189.4	48.4	60.1	72.0	81.5
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135K
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
61.0*	13.0	13.2	14.8	18.4
77.0	17.0	17.5	20.0	25.8
93.0	21.2	22.4	25.7	33.7
109.0	25.7	27.2	32.0	42.3
125.1	30.3	32.8	39.3	51.3
136.8**	33.7	37.0	44.7	58.0
141.1	35.1	38.6	46.7	60.6
157.1	41.0	44.9	54.7	70.2
173.2	46.3	51.3	62.9	79.9
189.2	52.1	58.3	71.5	89.9
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
61.0*	12.0	13.1	15.1	17.5
77.0	15.4	17.5	20.6	24.0
93.0	19.1	22.3	26.6	30.9
109.0	23.2	27.5	33.1	38.4
125.1	27.5	33.2	40.1	46.3
136.8**	30.9	37.7	45.5	52.4
141.1	32.2	39.3	47.5	54.6
157.1	37.3	45.8	55.3	63.2
173.2	42.6	52.8	63.5	72.2
189.2	48.4	60.0	71.9	81.4
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135L
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
51.2*	10.8	10.8	11.8	14.4
68.3	14.7	15.2	17.1	21.6
85.4	19.2	20.1	22.9	29.9
102.5	23.9	25.2	29.4	38.7
119.6	28.7	30.8	36.9	48.2
136.7**	33.7	37.0	44.6	58.0
136.8	33.7	37.0	44.7	58.0
153.9	39.9	43.6	53.1	68.3
171.0	45.6	50.4	61.8	78.6
188.1	51.6	57.8	70.9	89.2
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
51.2*	10.0	10.7	12.1	13.9
68.3	13.5	15.1	17.5	20.4
85.4	17.3	19.9	23.7	27.6
102.5	21.6	25.3	30.4	35.3
119.6	26.1	31.3	37.7	43.6
136.7**	30.9	37.6	45.4	52.4
136.8	30.9	37.7	45.5	52.4
153.9	36.2	44.5	53.7	61.4
171.0	41.9	51.8	62.3	70.9
188.1	48.0	59.5	71.3	80.8
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135P
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
60.8*	13.0	13.2	14.8	18.4
76.9	17.0	17.5	20.0	25.7
92.9	21.2	22.3	25.7	33.7
109.0	25.7	27.2	31.9	42.2
125.0	30.3	32.7	39.2	51.3
136.8**	33.7	37.0	44.7	58.0
141.0	35.0	38.6	46.7	60.5
157.1	41.0	44.9	54.7	70.2
173.1	46.3	51.3	62.9	79.9
189.2	52.0	58.3	71.5	89.9
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
60.8*	12.0	13.1	15.1	17.5
76.9	15.4	17.4	20.5	23.9
92.9	19.1	22.2	26.5	30.9
109.0	23.2	27.5	33.1	38.4
125.0	27.5	33.2	40.1	46.3
136.8**	30.9	37.7	45.5	52.4
141.0	32.2	39.3	47.5	54.6
157.1	37.3	45.8	55.2	63.2
173.1	42.6	52.8	63.5	72.1
189.2	48.4	60.0	71.9	81.4
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135Y
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
51.6*	10.9	10.9	11.9	14.6
66.6	14.3	14.7	16.6	20.9
81.7	18.2	18.8	21.6	28.1
96.8	22.3	23.5	27.1	35.7
111.8	26.5	28.2	33.1	43.8
124.7**	30.2	32.6	39.1	51.1
126.9	30.8	33.4	40.1	52.3
141.9	35.3	38.9	47.1	61.1
157.0	41.0	44.8	54.6	70.1
172.1	45.9	50.9	62.3	79.3
187.1	51.3	57.4	70.4	88.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
51.6*	10.1	10.8	12.2	14.0
66.6	13.2	14.6	17.0	19.7
81.7	16.5	18.8	22.3	26.0
96.8	20.1	23.5	28.1	32.6
111.8	24.0	28.5	34.3	39.8
124.7**	27.4	33.1	39.9	46.2
126.9	28.0	33.9	40.9	47.2
141.9	32.5	39.7	47.9	55.1
157.0	37.2	45.8	55.2	63.1
172.1	42.3	52.3	62.8	71.5
187.1	47.6	59.1	70.8	80.2

* Minimum operating weight

** Maximum takeoff weight

EH-101 NSA
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.5*	4.1	4.2	4.6	5.3
11.9	4.8	4.8	5.3	6.2
13.4	5.4	5.5	6.1	7.1
14.8	6.1	6.2	6.9	8
15.6	6.5	6.7	7.4	8.5
16.2**	6.8	7	7.8	8.8
17.7	7.5	7.8	8.6	9.7
19.1	8.2	8.5	9.5	10.6
20.5	8.9	9.2	10.5	11.5
22	9.7	10.1	11.4	12.4
23.4	10.4	10.9	12.3	13.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.5*	4.6	4.9	5.2	5.4
11.9	5.4	5.8	6	6.2
13.4	6.2	6.6	6.9	7.1
14.8	7	7.4	7.8	8
15.6	7.4	7.9	8.3	8.5
16.2**	7.8	8.3	8.6	8.9
17.7	8.6	9.1	9.5	9.8
19.1	9.5	10	10.4	10.7
20.5	10.3	10.9	11.4	11.6
22	11.2	11.8	12.3	12.6
23.4	12.1	12.7	13.2	13.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from CH-53E which is in the PCASE Library

Same landing gear configuration

Similar MTOW and ACN

F-4C/D/E
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.0*	15.3	14.9	14.6	14.4
18.6	17.8	17.3	17.0	16.8
21.2	20.3	19.7	19.4	19.2
23.8	22.8	22.2	21.8	21.5
26.3	25.2	24.5	24.1	23.8
26.4**	25.3	24.6	24.2	23.9
29.0	27.8	27.0	26.6	26.2
31.6	30.3	29.5	29.0	28.6
34.2	32.8	31.9	31.4	31.0
36.9	35.3	34.3	33.8	33.3
39.5	37.8	36.8	36.2	35.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
16.0*	15.9	15.9	15.7	15.5
18.6	18.5	18.5	18.4	18.0
21.2	21.2	21.2	21.0	20.6
23.8	23.8	23.8	23.6	23.1
26.3	26.4	26.4	26.1	25.6
26.4**	26.5	26.5	26.2	25.7
29.0	29.1	29.1	28.8	28.3
31.6	31.8	31.8	31.4	30.8
34.2	34.5	34.4	34.1	33.4
36.9	37.1	37.1	36.7	36.0
39.5	39.8	39.7	39.3	38.5

* Minimum operating weight

** Maximum takeoff weight

F-14
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.7*	14.5	14.1	14.0	13.8
20.3	17.7	17.2	17.0	16.9
23.9	20.9	20.3	20.1	19.9
27.6	24.1	23.3	23.2	22.9
31.2	27.2	26.4	26.2	25.9
32.9**	28.8	27.9	27.7	27.4
34.8	30.4	29.5	29.3	29.0
38.5	33.6	32.6	32.3	32.0
42.1	36.8	35.7	35.4	35.0
45.8	40.0	38.8	38.4	38.0
49.4	43.1	41.8	41.5	41.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
16.7*	14.9	14.9	14.8	14.6
20.3	18.2	18.2	18.1	17.8
23.9	21.5	21.6	21.4	21.0
27.6	24.8	24.9	24.7	24.3
31.2	28.2	28.2	28.0	27.5
32.9**	29.7	29.8	29.5	29.0
34.8	31.5	31.5	31.3	30.7
38.5	34.8	34.9	34.6	34.0
42.1	38.1	38.2	37.9	37.2
45.8	41.5	41.5	41.2	40.4
49.4	44.8	44.9	44.5	43.7

* Minimum operating weight

** Maximum takeoff weight

F-15A Eagle
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.5*	11.5	11.2	11.0	10.9
15.3	14.1	13.8	13.6	13.4
18.2	16.8	16.3	16.1	15.9
21.0	19.4	18.9	18.6	18.4
23.9	22.1	21.5	21.1	20.9
25.4**	23.5	22.8	22.5	22.2
26.7	24.7	24.0	23.7	23.3
29.6	27.3	26.6	26.2	25.8
32.4	30.0	29.1	28.7	28.3
35.3	32.6	31.7	31.2	30.8
38.1	35.2	34.3	33.7	33.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.5*	11.9	11.9	11.8	11.6
15.3	14.7	14.7	14.6	14.3
18.2	17.5	17.5	17.3	17.0
21.0	20.3	20.3	20.1	19.7
23.9	23.1	23.1	22.8	22.4
25.4**	24.6	24.6	24.3	23.9
26.7	25.9	25.8	25.6	25.1
29.6	28.7	28.6	28.3	27.8
32.4	31.5	31.4	31.1	30.5
35.3	34.3	34.2	33.9	33.2
38.1	37.1	37.0	36.6	35.9

* Minimum operating weight

** Maximum takeoff weight

F-15B Eagle
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.5*	11.5	11.2	11.0	10.9
15.3	14.1	13.8	13.6	13.4
18.2	16.8	16.3	16.1	15.9
21.0	19.4	18.9	18.6	18.4
23.9	22.1	21.5	21.1	20.9
25.4**	23.5	22.8	22.5	22.2
26.7	24.7	24.0	23.7	23.3
29.6	27.3	26.6	26.2	25.8
32.4	30.0	29.1	28.7	28.3
35.3	32.6	31.7	31.2	30.8
38.1	35.2	34.3	33.7	33.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.5*	11.9	11.9	11.8	11.6
15.3	14.7	14.7	14.6	14.3
18.2	17.5	17.5	17.3	17.0
21.0	20.3	20.3	20.1	19.7
23.9	23.1	23.1	22.8	22.4
25.4**	24.6	24.6	24.3	23.9
26.7	25.9	25.8	25.6	25.1
29.6	28.7	28.6	28.3	27.8
32.4	31.5	31.4	31.1	30.5
35.3	34.3	34.2	33.9	33.2
38.1	37.1	37.0	36.6	35.9

* Minimum operating weight

** Maximum takeoff weight

F-15C Eagle
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.8*	12.3	11.9	11.5	11.3
16.5	15.9	15.3	14.8	14.5
20.2	19.5	18.8	18.2	17.8
24.0	23.0	22.2	21.5	21.1
27.7	26.6	25.7	24.9	24.4
30.8**	29.7	28.7	27.7	27.2
31.4	30.2	29.2	28.2	27.6
35.1	33.8	32.6	31.6	30.9
38.8	37.3	36.1	34.9	34.2
42.6	40.9	39.5	38.3	37.5
46.3	44.5	43.0	41.6	40.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.8*	13.2	13.1	12.9	12.6
16.5	17.1	17.0	16.7	16.4
20.2	21.0	20.9	20.6	20.1
24.0	25.0	24.8	24.4	23.8
27.7	28.9	28.7	28.2	27.6
30.8**	32.3	32.1	31.5	30.8
31.4	32.9	32.7	32.1	31.3
35.1	36.9	36.6	36.0	35.1
38.8	40.9	40.5	39.8	38.8
42.6	44.9	44.5	43.7	42.6
46.3	48.9	48.4	47.6	46.3

* Minimum operating weight

** Maximum takeoff weight

F-15D Eagle
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.8*	12.3	11.9	11.5	11.3
16.5	15.9	15.3	14.8	14.5
20.2	19.5	18.8	18.2	17.8
24.0	23.0	22.2	21.5	21.1
27.7	26.6	25.7	24.9	24.4
30.8**	29.7	28.7	27.7	27.2
31.4	30.2	29.2	28.2	27.6
35.1	33.8	32.6	31.6	30.9
38.8	37.3	36.1	34.9	34.2
42.6	40.9	39.5	38.3	37.5
46.3	44.5	43.0	41.6	40.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.8*	13.2	13.1	12.9	12.6
16.5	17.1	17.0	16.7	16.4
20.2	21.0	20.9	20.6	20.1
24.0	25.0	24.8	24.4	23.8
27.7	28.9	28.7	28.2	27.6
30.8**	32.3	32.1	31.5	30.8
31.4	32.9	32.7	32.1	31.3
35.1	36.9	36.6	36.0	35.1
38.8	40.9	40.5	39.8	38.8
42.6	44.9	44.5	43.7	42.6
46.3	48.9	48.4	47.6	46.3

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.4*	13.6	13.2	12.9	12.6
18.9	17.9	17.4	16.9	16.6
23.4	22.2	21.5	21.0	20.6
28.0	26.4	25.7	25.0	24.5
32.5	30.7	29.9	29.1	28.5
36.7**	34.7	33.8	32.9	32.3
37.0	35.0	34.0	33.1	32.5
41.5	39.3	38.2	37.2	36.5
46.1	43.5	42.4	41.2	40.4
50.6	47.8	46.5	45.3	44.4
55.1	52.1	50.7	49.3	48.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.4*	14.4	14.4	14.2	13.9
18.9	19.1	19.0	18.7	18.3
23.4	23.7	23.6	23.3	22.8
28.0	28.4	28.2	27.8	27.2
32.5	33.1	32.9	32.4	31.7
36.7**	37.5	37.3	36.7	35.9
37.0	37.7	37.5	37.0	36.1
41.5	42.4	42.2	41.6	40.6
46.1	47.1	46.9	46.1	45.1
50.6	51.8	51.5	50.7	49.5
55.1	56.5	56.2	55.3	54.0

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle W/Conformal Tanks

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.4*	13.6	13.2	12.9	12.6
18.9	17.9	17.4	16.9	16.6
23.4	22.2	21.5	21.0	20.6
28.0	26.4	25.7	25.0	24.5
32.5	30.7	29.9	29.1	28.5
36.7**	34.7	33.8	32.9	32.3
37.0	35.0	34.0	33.1	32.5
41.5	39.3	38.2	37.2	36.5
46.1	43.5	42.4	41.2	40.4
50.6	47.8	46.5	45.3	44.4
55.1	52.1	50.7	49.3	48.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.4*	14.4	14.4	14.2	13.9
18.9	19.1	19.0	18.7	18.3
23.4	23.7	23.6	23.3	22.8
28.0	28.4	28.2	27.8	27.2
32.5	33.1	32.9	32.4	31.7
36.7**	37.5	37.3	36.7	35.9
37.0	37.7	37.5	37.0	36.1
41.5	42.4	42.2	41.6	40.6
46.1	47.1	46.9	46.1	45.1
50.6	51.8	51.5	50.7	49.5
55.1	56.5	56.2	55.3	54.0

* Minimum operating weight

** Maximum takeoff weight

F-16A Fighting Falcon
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.4*	6.6	6.4	6.2	6.2
9.2	8.2	8.0	7.8	7.7
11.1	9.9	9.6	9.4	9.3
12.9	11.6	11.2	11.0	10.8
14.8	13.2	12.8	12.6	12.4
16.1**	14.4	13.9	13.6	13.4
16.7	14.9	14.4	14.1	13.9
18.5	16.6	16.0	15.7	15.5
20.4	18.2	17.6	17.3	17.1
22.2	19.9	19.3	18.9	18.6
24.1	21.6	20.9	20.5	20.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.4*	6.8	6.8	6.7	6.6
9.2	8.5	8.5	8.4	8.3
11.1	10.3	10.3	10.2	10.0
12.9	12.0	12.0	11.9	11.7
14.8	13.8	13.8	13.6	13.4
16.1**	15.0	15.0	14.8	14.6
16.7	15.6	15.5	15.4	15.1
18.5	17.3	17.3	17.1	16.8
20.4	19.1	19.1	18.9	18.5
22.2	20.9	20.8	20.6	20.2
24.1	22.6	22.6	22.4	21.9

* Minimum operating weight

** Maximum takeoff weight

F-16B Fighting Falcon

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.4*	6.6	6.4	6.2	6.2
9.2	8.2	8.0	7.8	7.7
11.1	9.9	9.6	9.4	9.3
12.9	11.6	11.2	11.0	10.8
14.8	13.2	12.8	12.6	12.4
16.1**	14.4	13.9	13.6	13.4
16.7	14.9	14.4	14.1	13.9
18.5	16.6	16.0	15.7	15.5
20.4	18.2	17.6	17.3	17.1
22.2	19.9	19.3	18.9	18.6
24.1	21.6	20.9	20.5	20.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.4*	6.8	6.8	6.7	6.6
9.2	8.5	8.5	8.4	8.3
11.1	10.3	10.3	10.2	10.0
12.9	12.0	12.0	11.9	11.7
14.8	13.8	13.8	13.6	13.4
16.1**	15.0	15.0	14.8	14.6
16.7	15.6	15.5	15.4	15.1
18.5	17.3	17.3	17.1	16.8
20.4	19.1	19.1	18.9	18.5
22.2	20.9	20.8	20.6	20.2
24.1	22.6	22.6	22.4	21.9

* Minimum operating weight

** Maximum takeoff weight

F-16C Fighting Falcon

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.6*	6.8	6.6	6.5	6.4
9.6	8.6	8.3	8.2	8.0
11.6	10.4	10.0	9.9	9.7
13.6	12.2	11.8	11.5	11.4
15.6	14.0	13.5	13.2	13.0
17.0**	15.2	14.7	14.4	14.2
17.6	15.7	15.2	14.9	14.7
19.6	17.5	16.9	16.6	16.4
21.5	19.3	18.7	18.3	18.0
23.5	21.1	20.4	20.0	19.7
25.5	22.8	22.1	21.7	21.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.6*	7.0	7.0	7.0	6.9
9.6	8.9	8.9	8.8	8.7
11.6	10.8	10.8	10.7	10.5
13.6	12.6	12.6	12.5	12.3
15.6	14.5	14.5	14.4	14.1
17.0**	15.9	15.9	15.7	15.4
17.6	16.4	16.4	16.2	15.9
19.6	18.3	18.3	18.1	17.8
21.5	20.2	20.2	20.0	19.6
23.5	22.1	22.1	21.8	21.4
25.5	24.0	24.0	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

F-16D Fighting Falcon

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.9*	7.1	6.8	6.7	6.6
9.9	8.8	8.6	8.4	8.3
11.8	10.6	10.2	10.0	9.9
13.8	12.3	11.9	11.7	11.5
15.7	14.0	13.6	13.4	13.2
17.0**	15.2	14.7	14.4	14.2
17.7	15.8	15.3	15.0	14.8
19.6	17.6	17.0	16.7	16.5
21.6	19.3	18.7	18.3	18.1
23.6	21.1	20.4	20.0	19.7
25.5	22.8	22.1	21.7	21.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.9*	7.3	7.3	7.2	7.1
9.9	9.1	9.1	9.0	8.9
11.8	11.0	11.0	10.9	10.7
13.8	12.8	12.8	12.7	12.5
15.7	14.7	14.7	14.5	14.3
17.0**	15.9	15.9	15.7	15.4
17.7	16.5	16.5	16.3	16.0
19.6	18.4	18.4	18.2	17.8
21.6	20.3	20.2	20.0	19.6
23.6	22.1	22.1	21.9	21.4
25.5	24.0	24.0	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

F-22 Raptor
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.3*	18.9	18.2	17.6	17.2
24.4	22.7	21.9	21.2	20.7
28.5	26.6	25.6	24.7	24.2
32.6	30.4	29.3	28.3	27.7
36.8	34.2	32.9	31.9	31.2
38.2**	35.5	34.2	33.1	32.4
40.9	38.0	36.6	35.4	34.7
45.0	41.8	40.3	39.0	38.1
49.1	45.7	44.0	42.5	41.6
53.2	49.5	47.7	46.1	45.1
57.3	53.3	51.4	49.7	48.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
20.3*	20.6	20.4	20.1	19.6
24.4	24.9	24.7	24.2	23.6
28.5	29.1	28.9	28.4	27.7
32.6	33.4	33.1	32.5	31.7
36.8	37.7	37.4	36.7	35.7
38.2**	39.2	38.9	38.1	37.1
40.9	42.0	41.6	40.8	39.8
45.0	46.3	45.9	45.0	43.8
49.1	50.6	50.1	49.2	47.8
53.2	55.0	54.4	53.3	51.9
57.3	59.3	58.7	57.5	55.9

* Minimum operating weight

** Maximum takeoff weight

F-35A Joint Strike Fighter CTOL

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.2*	12.6	12.2	11.9	11.7
16.8	16.1	15.6	15.2	14.9
20.5	19.6	19.0	18.5	18.2
24.2	23.1	22.4	21.8	21.4
27.9	26.6	25.8	25.1	24.7
30.8**	29.4	28.5	27.8	27.3
31.5	30.1	29.2	28.5	28.0
35.2	33.6	32.6	31.8	31.2
38.9	37.1	36.0	35.1	34.5
42.6	40.6	39.4	38.4	37.7
46.2	44.1	42.8	41.7	41.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.2*	13.2	13.1	13.0	12.7
16.8	16.9	16.9	16.7	16.4
20.5	20.7	20.6	20.4	20.0
24.2	24.5	24.4	24.1	23.6
27.9	28.3	28.2	27.8	27.2
30.8**	31.3	31.2	30.8	30.1
31.5	32.1	31.9	31.5	30.8
35.2	35.9	35.7	35.2	34.5
38.9	39.7	39.5	39.0	38.1
42.6	43.5	43.3	42.7	41.7
46.2	47.3	47.1	46.4	45.3

* Minimum operating weight

** Maximum takeoff weight

F-35B Joint Strike Fighter STOVL

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.6*	13.5	12.9	12.8	12.7
17.7	16.2	15.6	15.5	15.3
20.7	19.0	18.3	18.2	17.9
23.7	21.8	21.0	20.8	20.5
26.7	24.6	23.6	23.5	23.1
27.9**	25.6	24.7	24.5	24.1
29.8	27.3	26.3	26.1	25.8
32.8	30.1	29.0	28.8	28.4
35.8	32.9	31.7	31.4	31.0
38.8	35.7	34.3	34.1	33.6
41.8	38.4	37.0	36.7	36.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.6*	13.8	13.9	13.7	13.5
17.7	16.8	16.8	16.6	16.3
20.7	19.7	19.7	19.5	19.2
23.7	22.6	22.6	22.4	22.0
26.7	25.5	25.5	25.3	24.8
27.9**	26.6	26.6	26.4	25.9
29.8	28.4	28.4	28.1	27.6
32.8	31.4	31.4	31.0	30.5
35.8	34.3	34.3	33.9	33.3
38.8	37.2	37.2	36.8	36.1
41.8	40.1	40.1	39.7	38.9

* Minimum operating weight

** Maximum takeoff weight

F-35C Joint Strike Fighter CV

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.0*	14.6	14.1	14.0	13.8
19.5	17.9	17.2	17.1	16.8
23.1	21.1	20.3	20.2	19.9
26.6	24.4	23.5	23.3	23.0
30.2	27.6	26.6	26.4	26.0
31.9**	29.2	28.2	27.9	27.6
33.7	30.9	29.7	29.5	29.1
37.3	34.1	32.8	32.6	32.2
40.8	37.4	36.0	35.7	35.2
44.4	40.6	39.1	38.8	38.3
47.9	43.9	42.2	41.9	41.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
16.0*	15.1	15.1	14.9	14.7
19.5	18.5	18.5	18.3	18.0
23.1	21.9	21.9	21.7	21.3
26.6	25.3	25.3	25.1	24.6
30.2	28.7	28.7	28.4	27.9
31.9**	30.5	30.4	30.1	29.6
33.7	32.2	32.2	31.8	31.2
37.3	35.6	35.6	35.2	34.5
40.8	39.0	39.0	38.6	37.9
44.4	42.5	42.4	42.0	41.2
47.9	45.9	45.9	45.4	44.5

* Minimum operating weight

** Maximum takeoff weight

F-111D-F
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
24.0*	21.9	21.4	21.5	21.5
28.9	26.4	25.7	25.8	25.8
33.8	30.8	30.1	30.2	30.2
38.7	35.3	34.4	34.6	34.5
43.6	39.8	38.8	38.9	38.9
45.4**	41.4	40.4	40.5	40.5
48.5	44.2	43.1	43.3	43.3
53.4	48.7	47.5	47.7	47.6
58.3	53.1	51.9	52.0	52.0
63.2	57.6	56.2	56.4	56.4
68.0	62.1	60.6	60.8	60.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
24.0*	21.7	21.9	21.9	21.6
28.9	26.1	26.4	26.4	26.1
33.8	30.5	30.9	30.8	30.5
38.7	35.0	35.3	35.3	34.9
43.6	39.4	39.8	39.8	39.3
45.4**	41.0	41.4	41.4	40.9
48.5	43.8	44.3	44.2	43.7
53.4	48.2	48.8	48.7	48.1
58.3	52.7	53.2	53.2	52.5
63.2	57.1	57.7	57.7	56.9
68.0	61.5	62.2	62.1	61.3

* Minimum operating weight

** Maximum takeoff weight

F-117A Nighthawk
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.9*	12.8	12.4	12.1	11.8
16.4	15.1	14.6	14.2	13.9
18.8	17.3	16.8	16.3	15.9
21.2	19.5	18.9	18.4	18.0
23.6	21.8	21.1	20.4	20.1
23.8**	22.0	21.3	20.6	20.2
26.0	24.0	23.3	22.5	22.1
28.5	26.2	25.4	24.6	24.2
30.9	28.5	27.6	26.7	26.2
33.3	30.7	29.7	28.8	28.3
35.7	32.9	31.9	30.9	30.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.9*	13.7	13.6	13.4	13.1
16.4	16.1	16.0	15.8	15.5
18.8	18.5	18.4	18.2	17.8
21.2	21.0	20.9	20.5	20.1
23.6	23.4	23.3	22.9	22.4
23.8**	23.6	23.5	23.1	22.6
26.0	25.9	25.7	25.3	24.8
28.5	28.3	28.2	27.7	27.1
30.9	30.8	30.6	30.1	29.4
33.3	33.2	33.0	32.5	31.7
35.7	35.7	35.5	34.9	34.1

* Minimum operating weight

** Maximum takeoff weight

FA-18F
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.6*	11.6	11.1	11.2	11.1
17.1	14.5	14.0	14.0	13.9
20.6	17.5	16.8	16.9	16.8
24.0	20.5	19.7	19.7	19.6
27.5	23.4	22.5	22.6	22.5
29.9**	25.5	24.5	24.6	24.4
31.0	26.4	25.4	25.5	25.3
34.5	29.3	28.2	28.3	28.1
38.0	32.3	31.1	31.2	31.0
41.4	35.2	33.9	34.0	33.8
44.9	38.2	36.7	36.9	36.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.6*	11.4	11.5	11.4	11.3
17.1	14.3	14.4	14.4	14.2
20.6	17.3	17.4	17.4	17.2
24.0	20.2	20.4	20.3	20.1
27.5	23.2	23.3	23.3	23.0
29.9**	25.2	25.4	25.3	25.0
31.0	26.1	26.3	26.2	25.9
34.5	29.1	29.3	29.2	28.8
38.0	32.0	32.3	32.2	31.7
41.4	35.0	35.2	35.1	34.7
44.9	37.9	38.2	38.1	37.6

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-100
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
40.8*	7.2	7.7	8.8	11.4
43.9	7.9	8.4	9.7	12.5
45.4	8.2	8.6	10.2	13.1
46.9	8.5	9.0	10.7	13.8
49.9	9.2	9.8	11.6	15.0
52.9**	9.9	10.6	12.7	16.3
55.9	10.6	11.4	13.7	17.5
59.0	11.4	12.2	14.8	18.8
62.0	12.5	13.1	15.8	20.1
65.0	13.2	14.1	16.9	21.5
68.0	14.0	15.1	18.0	22.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
40.8*	8.8	10.5	12.6	14.6
43.9	9.7	11.6	13.9	16.1
45.4	10.1	12.1	14.6	16.8
46.9	10.5	12.7	15.3	17.6
49.9	11.5	13.9	16.7	19.1
52.9**	12.4	15.1	18.2	20.7
55.9	13.4	16.3	19.7	22.3
59.0	14.4	17.6	21.2	23.8
62.0	15.4	18.9	22.7	25.5
65.0	16.5	20.3	24.3	27.1
68.0	17.6	21.7	25.9	28.8

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-150
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
63.5*	12.8	13.8	16.5	20.9
67.8	13.9	15.2	18.0	22.8
68.0	14.0	15.3	18.1	22.9
72.1	14.8	16.5	19.6	24.8
76.4	16.1	18.0	21.3	26.8
80.6**	17.4	19.5	22.9	28.8
84.9	18.7	21.1	24.6	31.0
89.2	20.0	22.6	26.7	33.2
93.5	21.2	24.2	28.5	35.4
97.8	22.9	25.8	30.4	37.6
102.1	24.3	27.5	32.2	39.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
63.5*	16.9	20.4	24.2	26.9
67.8	18.6	22.5	26.5	29.2
68.0	18.7	22.6	26.7	29.3
72.1	20.3	24.6	28.9	31.6
76.4	22.0	26.8	31.2	34.0
80.6**	23.9	29.0	33.7	36.5
84.9	25.8	31.3	36.2	38.9
89.2	27.8	33.7	38.7	41.4
93.5	29.8	36.1	41.2	43.9
97.8	31.8	38.5	43.8	46.4
102.1	33.9	41.0	46.4	49.0

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
86.2*	18.7	21.0	25.0	31.1
90.7	20.1	22.6	26.8	33.3
91.7	20.4	23.0	27.3	33.9
97.3	22.0	25.0	29.6	36.8
102.8	23.7	27.1	31.9	39.7
108.4**	25.8	29.1	34.3	42.6
113.9	27.8	31.3	36.7	45.6
119.5	29.8	33.5	39.2	48.6
125.0	31.8	35.7	41.7	51.7
130.5	33.9	38.0	44.2	54.7
136.1	36.0	40.2	46.9	57.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
86.2*	26.3	31.7	36.5	39.3
90.7	28.4	34.2	39.1	41.9
91.7	28.9	34.7	39.7	42.5
97.3	31.4	37.8	43.0	45.7
102.8	34.1	40.9	46.3	49.0
108.4**	36.9	44.1	49.7	52.3
113.9	39.9	47.4	53.0	55.6
119.5	42.9	50.8	56.5	59.0
125.0	45.9	54.2	59.9	62.3
130.5	49.2	57.7	63.4	65.8
136.1	52.5	61.2	66.9	69.2

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-300

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
131.5*	30.2	33.8	40.6	51.5
136.1	31.7	35.5	42.5	54.0
139.6	32.9	36.8	44.1	55.9
147.7	35.6	39.9	47.8	60.4
155.7	38.3	43.7	51.5	64.9
163.8**	41.2	47.1	55.3	69.3
171.9	44.1	50.5	59.1	73.8
179.9	46.9	53.9	63.1	78.3
188.0	49.9	57.4	67.1	83.0
196.1	53.3	60.8	71.1	87.7
204.1	57.6	64.4	75.2	92.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
131.5*	42.0	50.3	57.1	60.5
136.1	44.2	52.8	59.7	63.1
139.6	45.8	54.8	61.7	65.2
147.7	49.8	59.4	66.4	69.9
155.7	54.1	64.1	71.1	74.7
163.8**	58.4	68.8	75.9	79.5
171.9	62.8	73.6	80.8	84.4
179.9	67.2	78.5	85.7	89.4
188.0	71.8	83.5	90.7	94.5
196.1	76.5	88.6	95.7	99.7
204.1	81.3	93.6	100.7	104.7

* Minimum operating weight

** Maximum takeoff weight

FAA Dual Tan-400

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
181.0*	43.7	49.9	59.5	76.1
181.4	43.9	50.1	59.7	76.4
191.1	47.4	54.0	64.5	81.8
201.2	51.4	58.4	69.4	87.5
211.4	55.0	62.9	74.4	93.3
221.5**	58.8	67.4	79.5	99.3
231.6	63.1	71.9	84.9	105.4
241.8	67.3	76.5	90.3	111.4
251.9	72.4	81.1	95.8	117.4
262.0	76.9	85.9	101.4	123.4
272.2	81.3	90.9	107.0	129.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
181.0*	61.0	72.0	79.9	84.4
181.4	61.2	72.2	80.1	84.6
191.1	66.0	77.7	85.6	90.4
201.2	71.3	83.4	91.5	96.5
211.4	76.6	89.3	97.4	102.8
221.5**	82.1	95.2	103.4	109.1
231.6	87.8	101.2	109.5	115.6
241.8	93.6	107.2	115.7	122.2
251.9	99.5	113.3	121.9	129.0
262.0	105.5	119.5	128.2	135.9
272.2	111.5	125.7	134.6	142.8

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-10
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.1*	1.5	1.5	1.7	1.9
4.4	1.6	1.7	1.8	2.1
4.5	1.7	1.7	1.9	2.2
4.7	1.7	1.8	2.0	2.3
5.0	1.8	1.9	2.2	2.5
5.3**	2.0	2.1	2.3	2.7
5.6	2.1	2.2	2.5	2.9
5.9	2.3	2.3	2.6	3.0
6.2	2.4	2.5	2.8	3.2
6.5	2.5	2.6	3.0	3.4
6.8	2.7	2.8	3.1	3.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.1*	2.1	2.3	2.4	2.5
4.4	2.3	2.5	2.6	2.7
4.5	2.4	2.6	2.7	2.8
4.7	2.5	2.7	2.8	2.9
5.0	2.7	2.9	3.0	3.2
5.3**	2.9	3.1	3.3	3.4
5.6	3.1	3.3	3.5	3.6
5.9	3.3	3.5	3.7	3.8
6.2	3.5	3.7	3.9	4.0
6.5	3.7	3.9	4.1	4.3
6.8	3.9	4.1	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-20
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.6*	3.6	3.8	4.2	4.8
9.1	3.8	4.0	4.5	5.1
9.2	3.8	4.0	4.6	5.2
9.7	4.1	4.3	4.8	5.6
10.3	4.4	4.6	5.2	5.9
10.8**	4.6	5.0	5.6	6.3
11.4	5.0	5.3	6.0	6.7
11.9	5.3	5.6	6.3	7.1
12.5	5.6	6.0	6.7	7.4
13.1	6.0	6.3	7.1	7.8
13.6	6.4	6.6	7.4	8.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
8.6*	5.1	5.5	5.7	5.9
9.1	5.5	5.8	6.1	6.3
9.2	5.5	5.9	6.2	6.3
9.7	6.0	6.3	6.6	6.8
10.3	6.4	6.7	7.0	7.2
10.8**	6.8	7.2	7.5	7.7
11.4	7.2	7.6	7.9	8.1
11.9	7.6	8.1	8.4	8.6
12.5	8.1	8.5	8.8	9.0
13.1	8.5	9.0	9.3	9.5
13.6	8.9	9.4	9.8	10.0

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-30
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.2*	6.1	6.4	7.2	7.9
13.6	6.4	6.7	7.5	8.2
14.0	6.6	6.9	7.7	8.4
14.8	7.0	7.4	8.2	9.0
15.6	7.5	8.0	8.8	9.5
16.4**	8.0	8.5	9.3	10.1
17.2	8.5	8.9	9.9	10.7
18.0	9.0	9.4	10.4	11.2
18.8	9.5	10.1	11.0	11.8
19.6	10.0	10.6	11.5	12.3
20.4	10.6	11.2	12.1	12.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.2*	8.7	9.2	9.5	9.7
13.6	9.1	9.5	9.9	10.1
14.0	9.4	9.8	10.2	10.4
14.8	10.0	10.5	10.8	11.0
15.6	10.7	11.2	11.5	11.7
16.4**	11.4	11.9	12.2	12.5
17.2	12.0	12.6	12.9	13.2
18.0	12.7	13.3	13.7	13.9
18.8	13.4	14.0	14.4	14.6
19.6	14.1	14.7	15.1	15.3
20.4	14.8	15.4	15.8	16.1

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-45
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
20.0*	9.2	9.5	10.9	12.1
20.4	9.4	9.9	11.2	12.4
21.1	9.8	10.3	11.7	12.9
22.3	10.5	11.1	12.5	13.8
23.5	11.2	11.8	13.3	14.6
24.7**	11.9	12.6	14.2	15.4
25.9	12.8	13.3	15.0	16.2
27.1	13.4	14.1	15.8	17.1
28.3	14.0	14.9	16.7	17.9
29.4	14.8	15.7	17.5	18.7
30.6	15.5	16.8	18.3	19.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
20.0*	13.0	13.7	14.2	14.5
20.4	13.3	14.1	14.6	14.9
21.1	13.9	14.7	15.2	15.5
22.3	14.9	15.6	16.2	16.5
23.5	15.8	16.6	17.2	17.6
24.7**	16.8	17.6	18.2	18.6
25.9	17.8	18.7	19.3	19.6
27.1	18.8	19.7	20.3	20.7
28.3	19.8	20.7	21.3	21.7
29.4	20.8	21.7	22.4	22.8
30.6	21.8	22.8	23.4	23.9

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-50

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.2*	7.1	8.6	10.0	12.3
22.7	7.3	8.8	10.3	12.6
23.5	7.6	9.2	10.8	13.2
24.9	8.1	10.0	11.6	14.0
26.2	8.7	10.7	12.4	14.9
27.5**	9.3	11.4	13.3	15.8
28.8	9.9	12.1	14.1	16.7
30.1	10.5	12.9	15.0	17.6
31.4	11.0	13.7	15.8	18.5
32.7	11.6	14.4	16.6	19.4
34.0	12.2	15.2	17.5	20.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
22.2*	10.5	11.7	12.7	13.4
22.7	10.8	12.0	13.0	13.7
23.5	11.3	12.6	13.6	14.3
24.9	12.1	13.4	14.5	15.2
26.2	12.9	14.3	15.4	16.1
27.5**	13.7	15.2	16.3	17.1
28.8	14.6	16.1	17.3	18.1
30.1	15.4	17.0	18.2	19.0
31.4	16.2	17.9	19.2	20.0
32.7	17.1	18.8	20.1	21.0
34.0	18.0	19.7	21.1	22.0

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-60
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.8*	12.6	13.2	15.0	16.6
27.2	12.8	13.5	15.3	16.9
28.3	13.4	14.3	16.1	17.7
29.9	14.1	15.3	17.2	18.8
31.5	15.2	16.6	18.3	19.9
33.0**	16.3	17.7	19.4	21.1
34.6	17.2	18.8	20.6	22.2
36.1	18.2	19.9	21.7	23.3
37.7	19.3	21.0	22.8	24.5
39.3	20.3	22.1	23.9	25.6
40.8	21.4	23.3	25.0	26.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
26.8*	18.1	19.0	19.7	20.1
27.2	18.5	19.4	20.1	20.5
28.3	19.4	20.4	21.0	21.4
29.9	20.7	21.7	22.4	22.8
31.5	22.0	23.1	23.8	24.2
33.0**	23.4	24.4	25.1	25.6
34.6	24.7	25.8	26.5	27.0
36.1	26.0	27.2	28.0	28.5
37.7	27.4	28.6	29.4	29.9
39.3	28.8	30.0	30.8	31.4
40.8	30.2	31.4	32.3	32.9

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-75
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.6*	13.5	14.9	17.3	19.8
34.0	13.7	15.2	17.6	20.1
35.5	14.4	16.1	18.6	21.1
37.5	15.3	17.2	20.0	22.5
39.4	16.6	18.3	21.3	23.8
41.3**	17.7	19.5	22.6	25.2
43.3	18.8	21.0	23.9	26.6
45.2	20.0	22.2	25.2	27.9
47.2	21.2	23.4	26.6	29.3
49.1	22.3	24.8	27.9	30.7
51.0	23.5	26.1	29.2	32.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
33.6*	18.9	20.4	21.7	22.4
34.0	19.2	20.8	22.0	22.7
35.5	20.2	21.9	23.1	23.9
37.5	21.6	23.3	24.6	25.4
39.4	23.0	24.8	26.2	27.0
41.3**	24.4	26.3	27.7	28.5
43.3	25.8	27.8	29.2	30.1
45.2	27.3	29.3	30.8	31.7
47.2	28.7	30.8	32.4	33.3
49.1	30.2	32.4	34.0	34.9
51.0	31.7	34.0	35.5	36.5

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-100

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
40.8*	17.8	18.9	21.6	24.5
43.9	19.4	20.7	23.6	26.7
45.4	20.4	21.6	24.7	27.8
46.9	21.3	22.5	25.7	28.8
49.9	23.2	24.5	27.8	31.0
52.9**	24.8	26.5	29.9	33.1
55.9	26.6	28.5	32.0	35.3
59.0	28.4	30.6	34.2	37.5
62.0	30.2	32.6	36.3	39.6
65.0	32.5	34.7	38.4	41.8
68.0	34.6	36.8	40.6	44.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
40.8*	24.4	26.2	27.5	28.3
43.9	26.6	28.5	29.9	30.7
45.4	27.8	29.7	31.1	32.0
46.9	28.9	30.9	32.4	33.2
49.9	31.2	33.3	34.8	35.7
52.9**	33.5	35.8	37.3	38.3
55.9	35.9	38.2	39.8	40.8
59.0	38.3	40.7	42.4	43.4
62.0	40.7	43.2	45.0	46.0
65.0	43.2	45.8	47.6	48.7
68.0	45.7	48.4	50.2	51.4

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-150

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
63.5*	28.4	29.8	33.6	38.6
67.8	30.7	32.2	36.5	41.7
68.0	30.8	32.4	36.7	41.9
72.1	33.0	34.7	39.6	44.8
76.4	35.2	37.3	42.7	47.9
80.6**	37.6	40.0	45.8	51.0
84.9	40.1	42.9	48.9	54.1
89.2	42.5	46.0	51.9	57.2
93.5	45.0	49.1	55.1	60.4
97.8	47.5	52.0	58.2	63.7
102.1	50.9	54.9	61.3	66.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
63.5*	37.7	40.5	42.5	44.0
67.8	40.8	43.7	45.9	47.5
68.0	41.0	43.9	46.1	47.7
72.1	44.0	47.1	49.4	51.0
76.4	47.2	50.5	52.8	54.6
80.6**	50.4	53.9	56.4	58.2
84.9	53.7	57.3	60.0	61.9
89.2	57.0	60.8	63.5	65.7
93.5	60.4	64.3	67.2	69.4
97.8	63.8	67.8	70.9	73.2
102.1	67.2	71.4	74.6	77.1

* Minimum operating weight

** Maximum takeoff weight

FAA Dual WHL-200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
86.2*	39.9	42.8	47.4	54.1
90.7	42.3	45.5	50.6	57.5
91.7	42.9	46.2	51.4	58.3
97.3	46.2	49.8	55.4	62.4
102.8	49.4	53.3	59.4	66.6
108.4**	52.7	57.1	63.5	70.8
113.9	56.0	61.0	67.5	74.9
119.5	59.8	64.8	71.6	79.1
125.0	63.4	68.8	75.7	83.3
130.5	67.2	72.8	79.8	87.5
136.1	70.9	76.8	84.0	91.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
86.2*	54.6	58.0	60.6	62.7
90.7	58.1	61.7	64.4	66.6
91.7	58.9	62.5	65.2	67.5
97.3	63.2	67.0	69.9	72.3
102.8	67.5	71.5	74.7	77.3
108.4**	71.9	76.2	79.5	82.3
113.9	76.4	80.8	84.4	87.4
119.5	81.0	85.5	89.3	92.5
125.0	85.5	90.3	94.3	97.7
130.5	90.1	95.1	99.3	102.9
136.1	94.8	100.0	104.4	108.2

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-3

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.3*	0.6	0.8	0.9	1.0
1.4	0.7	0.8	1.0	1.0
1.4	0.7	0.8	1.0	1.0
1.5	0.7	0.9	1.0	1.1
1.6	0.8	0.9	1.1	1.2
1.6**	0.8	1.0	1.2	1.2
1.7	0.8	1.0	1.2	1.3
1.8	0.9	1.1	1.3	1.3
1.9	0.9	1.1	1.3	1.4
2.0	1.0	1.2	1.4	1.5
2.0	1.0	1.2	1.4	1.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
1.3*	0.9	0.9	1.0	1.0
1.4	0.9	1.0	1.0	1.0
1.4	1.0	1.0	1.0	1.1
1.5	1.0	1.1	1.1	1.1
1.6	1.1	1.1	1.2	1.2
1.6**	1.1	1.2	1.2	1.2
1.7	1.2	1.2	1.3	1.3
1.8	1.2	1.3	1.3	1.4
1.9	1.3	1.4	1.4	1.4
2.0	1.4	1.4	1.5	1.5
2.0	1.4	1.5	1.5	1.5

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-5

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.2*	1.1	1.3	1.6	1.7
2.3	1.1	1.3	1.6	1.7
2.4	1.2	1.4	1.7	1.8
2.5	1.2	1.5	1.8	1.9
2.6	1.3	1.6	1.9	2.0
2.8**	1.4	1.6	2.0	2.1
2.9	1.4	1.7	2.1	2.2
3.0	1.5	1.8	2.2	2.3
3.1	1.6	1.9	2.2	2.4
3.3	1.6	2.0	2.3	2.5
3.4	1.7	2.0	2.4	2.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.2*	1.5	1.6	1.6	1.7
2.3	1.6	1.6	1.7	1.7
2.4	1.6	1.7	1.7	1.8
2.5	1.7	1.8	1.8	1.9
2.6	1.8	1.9	1.9	2.0
2.8**	1.9	2.0	2.0	2.1
2.9	2.0	2.1	2.1	2.2
3.0	2.1	2.2	2.2	2.3
3.1	2.2	2.3	2.3	2.4
3.3	2.3	2.3	2.4	2.5
3.4	2.3	2.4	2.5	2.6

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-10

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.5*	2.2	2.7	3.2	3.4
4.5	2.3	2.7	3.2	3.5
4.8	2.4	2.9	3.4	3.6
5.0	2.5	3.0	3.6	3.8
5.3	2.6	3.2	3.8	4.0
5.5**	2.7	3.3	3.9	4.2
5.8	2.9	3.5	4.1	4.4
6.0	3.0	3.7	4.3	4.6
6.3	3.1	3.8	4.5	4.8
6.6	3.3	4.0	4.7	5.0
6.8	3.4	4.1	4.9	5.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.5*	3.1	3.2	3.3	3.4
4.5	3.1	3.3	3.4	3.4
4.8	3.3	3.4	3.5	3.6
5.0	3.4	3.6	3.7	3.8
5.3	3.6	3.8	3.9	3.9
5.5**	3.8	4.0	4.1	4.1
5.8	3.9	4.1	4.3	4.3
6.0	4.1	4.3	4.5	4.5
6.3	4.3	4.5	4.6	4.7
6.6	4.5	4.7	4.8	4.9
6.8	4.6	4.9	5.0	5.0

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-12.5

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.2*	3.0	3.5	3.8	4.0
5.6	3.2	3.7	4.1	4.3
5.7	3.3	3.8	4.1	4.4
6.0	3.4	4.0	4.4	4.6
6.3	3.6	4.3	4.6	4.9
6.7**	3.8	4.5	4.8	5.2
7.0	4.1	4.8	5.2	5.4
7.4	4.3	5.0	5.4	5.7
7.8	4.5	5.3	5.7	6.0
8.1	4.7	5.6	6.0	6.3
8.5	4.9	5.8	6.3	6.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.2*	3.8	4.0	4.1	4.1
5.6	4.1	4.3	4.4	4.4
5.7	4.2	4.3	4.4	4.5
6.0	4.4	4.5	4.7	4.7
6.3	4.6	4.8	4.9	5.0
6.7**	4.9	5.1	5.2	5.3
7.0	5.2	5.4	5.5	5.5
7.4	5.4	5.6	5.8	5.8
7.8	5.7	5.9	6.1	6.1
8.1	6.0	6.2	6.4	6.4
8.5	6.2	6.5	6.6	6.7

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-15

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.4*	3.2	3.9	4.6	4.9
6.8	3.4	4.1	4.9	5.2
6.8	3.4	4.2	4.9	5.2
7.2	3.6	4.4	5.2	5.6
7.6	3.8	4.7	5.6	5.9
8.1**	4.1	5.0	5.9	6.2
8.5	4.3	5.2	6.2	6.6
8.9	4.5	5.6	6.5	7.0
9.4	4.7	5.8	6.9	7.3
9.8	5.0	6.1	7.2	7.7
10.2	5.2	6.4	7.6	8.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
6.4*	4.3	4.6	4.7	4.7
6.8	4.6	4.9	5.0	5.0
6.8	4.6	4.9	5.0	5.0
7.2	4.9	5.2	5.3	5.3
7.6	5.2	5.5	5.6	5.6
8.1**	5.5	5.8	5.9	5.9
8.5	5.8	6.1	6.2	6.2
8.9	6.1	6.4	6.5	6.5
9.4	6.4	6.7	6.8	6.7
9.8	6.6	7.0	7.1	7.0
10.2	6.9	7.3	7.4	7.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-20
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.6*	4.3	5.3	6.2	6.6
9.1	4.6	5.6	6.5	7.0
9.2	4.6	5.7	6.6	7.1
9.7	4.9	6.0	7.1	7.5
10.3	5.2	6.3	7.5	8.0
10.8**	5.5	6.7	7.9	8.4
11.4	5.8	7.0	8.4	8.9
11.9	6.1	7.4	8.8	9.3
12.5	6.4	7.8	9.2	9.8
13.1	6.7	8.1	9.6	10.3
13.6	7.0	8.5	10.1	10.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
8.6*	5.8	6.2	6.3	6.4
9.1	6.2	6.5	6.7	6.7
9.2	6.2	6.5	6.7	6.8
9.7	6.6	6.9	7.1	7.2
10.3	7.0	7.3	7.5	7.5
10.8**	7.3	7.7	7.9	7.9
11.4	7.7	8.1	8.3	8.3
11.9	8.1	8.5	8.7	8.7
12.5	8.4	8.9	9.1	9.1
13.1	8.8	9.3	9.5	9.4
13.6	9.2	9.6	9.9	9.8

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-30

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.2*	6.7	8.1	9.6	10.3
13.6	6.9	8.5	10.0	10.6
14.0	7.1	8.6	10.3	10.9
14.8	7.5	9.1	10.9	11.6
15.6	8.0	9.7	11.5	12.3
16.4**	8.4	10.2	12.2	12.9
17.2	8.8	10.7	12.8	13.6
18.0	9.2	11.2	13.4	14.3
18.8	9.6	11.7	14.1	14.9
19.6	10.1	12.3	14.7	15.6
20.4	10.5	12.8	15.3	16.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.2*	8.8	9.3	9.6	9.6
13.6	9.1	9.6	9.9	9.9
14.0	9.4	9.9	10.2	10.1
14.8	9.9	10.5	10.7	10.7
15.6	10.4	11.0	11.3	11.2
16.4**	11.0	11.6	11.8	11.8
17.2	11.5	12.1	12.4	12.3
18.0	12.0	12.7	13.0	12.9
18.8	12.6	13.2	13.5	13.4
19.6	13.1	13.8	14.0	13.9
20.4	13.6	14.3	14.6	14.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-45

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.0*	11.9	13.8	15.0	16.3
20.4	12.2	14.1	15.4	16.7
21.1	12.7	14.6	15.9	17.3
22.3	13.4	15.5	16.8	18.3
23.5	14.1	16.3	17.8	19.3
24.7**	14.8	17.1	18.7	20.3
25.9	15.5	18.0	19.6	21.4
27.1	16.3	18.8	20.6	22.4
28.3	17.0	19.7	21.5	23.4
29.4	17.8	20.5	22.5	24.5
30.6	18.5	21.4	23.5	25.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
20.0*	14.5	15.0	15.2	14.9
20.4	14.8	15.4	15.5	15.2
21.1	15.3	15.9	16.0	15.7
22.3	16.1	16.7	16.9	16.6
23.5	17.0	17.6	17.7	17.4
24.7**	17.8	18.4	18.5	18.2
25.9	18.6	19.3	19.4	19.0
27.1	19.5	20.1	20.2	19.8
28.3	20.3	21.0	21.0	20.6
29.4	21.1	21.8	21.8	21.3
30.6	21.9	22.6	22.6	22.1

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-60

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.4*	13.2	15.0	15.8	17.0
22.7	14.8	16.7	17.6	19.0
25.0	16.3	18.4	19.5	21.0
27.2	17.8	20.3	21.3	23.0
27.2	17.8	20.3	21.3	23.0
29.5**	19.3	22.0	23.2	25.0
31.8	20.8	23.8	25.0	27.1
34.0	22.4	25.6	27.0	29.2
36.3	23.9	27.4	28.9	31.3
38.6	25.5	29.2	30.8	33.5
40.8	27.1	31.0	32.8	35.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
20.4*	15.8	16.2	16.3	15.9
22.7	17.5	18.0	18.0	17.6
25.0	19.2	19.7	19.7	19.2
27.2	20.9	21.4	21.3	20.8
27.2	20.9	21.4	21.3	20.8
29.5**	22.6	23.1	23.0	22.4
31.8	24.3	24.8	24.6	23.9
34.0	26.0	26.5	26.2	25.6
36.3	27.6	28.1	27.8	27.4
38.6	29.3	29.7	29.4	29.1
40.8	30.9	31.3	31.0	30.9

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-75

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.6*	23.9	26.2	26.9	29.0
34.0	24.2	26.6	27.2	29.4
35.5	25.3	27.8	28.5	30.7
37.5	26.7	29.4	30.1	32.6
39.4	28.2	31.0	31.8	34.4
41.3**	30.0	32.7	33.5	36.3
43.3	31.5	34.3	35.2	38.1
45.2	33.0	35.9	36.9	40.0
47.2	34.5	37.6	38.5	41.9
49.1	36.0	39.2	40.2	43.8
51.0	37.5	40.8	41.9	45.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
33.6*	27.1	27.4	27.0	26.4
34.0	27.4	27.7	27.3	26.8
35.5	28.6	28.9	28.4	28.0
37.5	30.1	30.4	29.9	29.5
39.4	31.6	31.8	31.3	31.1
41.3**	33.1	33.3	32.7	32.7
43.3	34.5	34.7	34.1	34.2
45.2	36.0	36.2	35.5	35.8
47.2	37.4	37.6	36.9	37.4
49.1	38.9	39.0	38.3	39.0
51.0	40.3	40.4	39.6	40.6

* Minimum operating weight

** Maximum takeoff weight

FAA SWL-50
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.2*	44.6	43.7	44.0	44.0
22.7	45.5	44.6	44.9	44.9
23.5	47.2	46.2	46.6	46.6
24.9	49.9	48.8	49.2	49.2
26.2	52.5	51.4	51.8	51.8
27.5**	55.1	54.0	54.4	54.4
28.8	57.7	56.5	57.0	57.0
30.1	60.4	59.1	59.6	59.6
31.4	63.0	61.7	62.2	62.2
32.7	65.6	64.3	64.7	64.8
34.0	68.3	66.8	67.3	67.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
22.2*	44.1	44.6	44.6	44.1
22.7	45.0	45.5	45.5	45.0
23.5	46.7	47.2	47.3	46.7
24.9	49.3	49.9	49.9	49.3
26.2	51.8	52.5	52.5	51.9
27.5**	54.4	55.1	55.2	54.5
28.8	57.0	57.8	57.8	57.1
30.1	59.6	60.4	60.4	59.7
31.4	62.2	63.0	63.0	62.3
32.7	64.8	65.6	65.7	64.9
34.0	67.4	68.3	68.3	67.5

* Minimum operating weight

** Maximum takeoff weight

Falcon 10, DA10
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.6*	2	2.1	2.3	2.6
5.5	2.5	2.6	2.8	3.3
6.3	3	3.1	3.4	3.9
7.2	3.4	3.6	4	4.5
8.1	3.9	4.1	4.6	5.2
8.3**	4.1	4.2	4.8	5.3
9	4.4	4.6	5.2	5.8
9.8	5	5.2	5.8	6.5
10.7	5.5	5.8	6.5	7.1
11.6	6.1	6.3	7.1	7.8
12.5	6.7	7	7.8	8.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.6*	2.3	2.5	2.6	2.7
5.5	2.8	3	3.2	3.3
6.3	3.4	3.6	3.8	3.9
7.2	3.9	4.2	4.4	4.6
8.1	4.5	4.8	5	5.2
8.3**	4.7	5	5.2	5.3
9	5.1	5.4	5.7	5.8
9.8	5.7	6.1	6.3	6.5
10.7	6.3	6.7	7	7.2
11.6	7	7.3	7.6	7.8
12.5	7.6	8	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-21A LEAR 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon 20 EW
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.0*	9.6	9.2	9.1	9.0
11.2	10.7	10.3	10.2	10.1
12.4	11.8	11.4	11.3	11.1
13.5	13.0	12.5	12.4	12.2
13.8	13.2	12.7	12.6	12.4
14.7**	14.1	13.5	13.5	13.3
15.9	15.2	14.6	14.6	14.4
17.1	16.4	15.7	15.6	15.4
18.3	17.5	16.8	16.7	16.5
19.5	18.7	17.9	17.8	17.6
20.7	19.8	19.0	18.9	18.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.0*	9.8	9.8	9.7	9.6
11.2	10.9	11.0	10.9	10.7
12.4	12.1	12.1	12.0	11.9
13.5	13.3	13.3	13.2	13.0
13.8	13.5	13.6	13.4	13.2
14.7**	14.5	14.5	14.4	14.2
15.9	15.7	15.7	15.6	15.3
17.1	16.9	16.9	16.7	16.5
18.3	18.1	18.1	17.9	17.6
19.5	19.3	19.3	19.1	18.8
20.7	20.4	20.5	20.3	19.9

* Minimum operating weight

** Maximum takeoff weight

Falcon 900, Mystere
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
12.5*	5.3	6	6.6	7.9
14.5	6.3	7.1	7.9	9.3
16.4	7.4	8.3	9.4	10.7
18.3	8.4	9.4	10.8	12.2
20	9.4	10.5	12.1	13.4
20.3**	9.6	10.7	12.3	13.6
22.2	10.7	12	13.7	15
24.1	11.9	13.4	15.1	16.5
26.1	13.3	14.8	16.4	17.9
28	14.6	16.2	17.8	19.3
29.9	16.1	17.5	19.2	20.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
12.5*	6.1	6.7	7.1	7.4
14.5	7.3	7.9	8.4	8.8
16.4	8.5	9.2	9.8	10.2
18.3	9.8	10.6	11.2	11.5
20	10.9	11.7	12.3	12.8
20.3**	11.1	11.9	12.6	13
22.2	12.4	13.3	14	14.4
24.1	13.7	14.7	15.4	15.9
26.1	15.1	16.1	16.9	17.4
28	16.5	17.6	18.4	18.9
29.9	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon DA-20
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.0*	9.5	9.2	9.1	9.0
11.1	10.5	10.2	10.1	10.0
12.2	11.5	11.2	11.1	11.0
13.2	12.5	12.1	12.0	11.9
13.3	12.6	12.2	12.1	12.0
14.3**	13.6	13.2	13.1	12.9
15.4	14.6	14.2	14.1	13.9
16.5	15.7	15.2	15.1	14.9
17.6	16.7	16.2	16.1	15.9
18.7	17.7	17.2	17.1	16.9
19.8	18.8	18.2	18.1	17.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.0*	9.6	9.7	9.6	9.5
11.1	10.7	10.7	10.7	10.5
12.2	11.8	11.8	11.7	11.6
13.2	12.8	12.8	12.8	12.6
13.3	12.9	12.9	12.8	12.6
14.3**	14.0	14.0	13.9	13.7
15.4	15.0	15.1	14.9	14.7
16.5	16.1	16.1	16.0	15.8
17.6	17.2	17.2	17.1	16.8
18.7	18.3	18.3	18.2	17.9
19.8	19.3	19.4	19.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Fokker 27 Friendship, FA27

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.9*	4	4.9	5.7	7
13.9	4.8	5.9	6.8	8.5
16	5.7	6.9	8.1	10
18	6.6	8.1	9.5	11.5
20	7.6	9.2	11	13.1
20.2**	7.6	9.3	11.1	13.1
22.1	8.5	10.6	12.4	14.6
24.1	9.6	11.8	13.9	16.1
26.2	10.6	13.2	15.4	17.7
28.2	11.6	14.6	16.9	19.2
30.3	12.9	16.1	18.3	20.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
11.9*	4.8	5.4	6	6.3
13.9	5.9	6.6	7.2	7.6
16	6.9	7.8	8.5	9
18	8.1	9	9.8	10.3
20	9.2	10.2	11.1	11.7
20.2**	9.3	10.3	11.2	11.8
22.1	10.4	11.5	12.5	13.1
24.1	11.6	12.8	13.8	14.5
26.2	12.9	14.2	15.3	16
28.2	14.1	15.6	16.7	17.4
30.3	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 28 Fellowship, FK28
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.2*	9.2	9.5	10.4	12.1
25.1	11.3	11.7	12.7	14.9
29	13.2	13.7	15.1	17.8
32.9	15.1	15.9	17.8	20.8
36.8	17.2	18.1	20.5	23.8
37.5**	17.6	18.6	21	24.3
40.7	19.5	20.5	23.2	26.8
44.6	21.9	22.9	26	29.8
48.5	24.1	25.3	29	32.7
52.4	26.5	28.1	32	35.7
56.3	28.9	30.7	35	38.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
21.2*	9.7	10.6	11.4	12
25.1	11.8	12.9	13.9	14.6
29	14	15.3	16.4	17.2
32.9	16.3	17.8	19	19.9
36.8	18.7	20.3	21.7	22.7
37.5**	19.1	20.8	22.2	23.2
40.7	21.1	22.9	24.5	25.4
44.6	23.5	25.6	27.2	28.3
48.5	26.1	28.3	30.1	31.2
52.4	28.6	31	32.9	34.1
56.3	31.2	33.8	35.8	37.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE 146-100 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 50, FK60
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.9*	4	4.9	5.7	7
13.9	4.8	5.9	6.8	8.5
16	5.7	6.9	8.1	10
18	6.6	8.1	9.5	11.5
20	7.6	9.2	11	13.1
20.2**	7.6	9.3	11.1	13.1
22.1	8.5	10.6	12.4	14.6
24.1	9.6	11.8	13.9	16.1
26.2	10.6	13.2	15.4	17.7
28.2	11.6	14.6	16.9	19.2
30.3	12.9	16.1	18.3	20.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
11.9*	4.8	5.4	6	6.3
13.9	5.9	6.6	7.2	7.6
16	6.9	7.8	8.5	9
18	8.1	9	9.8	10.3
20	9.2	10.2	11.1	11.7
20.2**	9.3	10.3	11.2	11.8
22.1	10.4	11.5	12.5	13.1
24.1	11.6	12.8	13.8	14.5
26.2	12.9	14.2	15.3	16
28.2	14.1	15.6	16.7	17.4
30.3	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 100, FK10
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.3*	10.3	10.6	11.6	13.6
28.1	12.8	13.3	14.5	17.1
32.8	15.1	15.9	17.8	20.8
37.6	17.7	18.7	21.1	24.4
42.4	20.6	21.6	24.5	28.1
44.2**	21.7	22.7	25.8	29.5
47.2	23.4	24.6	28	31.8
52	26.2	27.8	31.7	35.4
56.8	29.2	31.1	35.4	39.1
61.6	32.1	34.4	39.2	42.7
66.3	35.2	37.8	42.9	46.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
23.3*	10.8	11.8	12.7	13.4
28.1	13.5	14.8	15.8	16.6
32.8	16.3	17.8	19	19.9
37.6	19.2	20.9	22.3	23.3
42.4	22.2	24.1	25.7	26.7
44.2**	23.3	25.4	27	28
47.2	25.2	27.4	29.1	30.3
52	28.4	30.8	32.7	33.8
56.8	31.6	34.2	36.2	37.5
61.6	34.9	37.7	39.9	41.2
66.3	38.2	41.3	43.5	44.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE146-200 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Guardian, HU25
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10*	9.5	9.2	9.1	9
11.1	10.5	10.2	10.1	10
12.2	11.5	11.2	11.1	11
13.2	12.5	12.1	12	11.9
13.3	12.6	12.2	12.1	12
14.3**	13.6	13.2	13.1	12.9
15.4	14.6	14.2	14.1	13.9
16.5	15.7	15.2	15.1	14.9
17.6	16.7	16.2	16.1	15.9
18.7	17.7	17.2	17.1	16.9
19.8	18.8	18.2	18.1	17.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10*	9.6	9.7	9.6	9.5
11.1	10.7	10.7	10.7	10.5
12.2	11.8	11.8	11.7	11.6
13.2	12.8	12.8	12.8	12.6
13.3	12.9	12.9	12.8	12.6
14.3**	14	14	13.9	13.7
15.4	15	15.1	14.9	14.7
16.5	16.1	16.1	16	15.8
17.6	17.2	17.2	17.1	16.8
18.7	18.3	18.3	18.2	17.9
19.8	19.3	19.4	19.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from FALCON DA-20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Harrier GR MK3
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.7*	2.6	2.9	3.1	3.6
7.0	3.3	3.6	3.9	4.7
8.2	4.0	4.4	4.8	5.8
9.5	4.7	5.3	5.8	7.0
10.8	5.5	6.1	6.7	8.1
11.5**	5.9	6.6	7.3	8.7
12.1	6.3	7.0	7.9	9.3
13.4	7.1	7.8	9.0	10.4
14.6	7.9	8.6	10.2	11.6
15.9	8.7	9.7	11.3	12.8
17.2	9.6	10.8	12.5	14.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.7*	3.8	3.9	4.0	4.0
7.0	4.7	4.8	4.9	4.9
8.2	5.6	5.7	5.8	5.8
9.5	6.4	6.6	6.7	6.7
10.8	7.3	7.5	7.6	7.6
11.5**	7.8	8.0	8.1	8.1
12.1	8.2	8.4	8.5	8.5
13.4	9.0	9.3	9.4	9.4
14.6	9.9	10.2	10.3	10.3
15.9	10.8	11.0	11.2	11.2
17.2	11.6	11.9	12.1	12.1

* Minimum operating weight

** Maximum takeoff weight

Harrier GR MK7-GR MK10

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.4*	3.7	4.0	4.4	5.1
9.0	4.7	5.0	5.5	6.6
10.6	5.7	6.1	6.8	8.0
12.2	6.8	7.2	8.0	9.4
13.8	7.9	8.3	9.5	10.9
14.5**	8.4	8.6	10.2	11.6
15.4	9.0	9.6	11.0	12.4
17.0	10.2	10.8	12.4	13.8
18.6	11.4	12.1	13.9	15.3
20.2	12.6	13.4	15.4	16.8
21.8	13.9	15.0	16.8	18.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.4*	5.0	5.1	5.2	5.2
9.0	6.1	6.2	6.3	6.3
10.6	7.2	7.4	7.4	7.5
12.2	8.3	8.5	8.6	8.6
13.8	9.3	9.6	9.7	9.7
14.5**	9.8	10.1	10.2	10.2
15.4	10.4	10.7	10.8	10.8
17.0	11.5	11.8	11.9	12.0
18.6	12.6	12.9	13.0	13.1
20.2	13.6	14.0	14.2	14.3
21.8	14.7	15.1	15.3	15.4

* Minimum operating weight

** Maximum takeoff weight

HC-130P/N Combat Tanker/Combat Shadow

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	14.1	15.7	16.3	18.2
46.7	17.9	20.0	20.6	23.2
55.7	21.9	24.3	25.2	28.4
64.8	25.8	28.5	29.8	34.3
73.8	29.9	32.8	34.5	40.0
79.4**	32.4	35.5	37.5	43.8
82.9	34.0	37.3	39.3	46.2
91.9	38.1	41.8	44.2	52.6
101.0	42.3	46.5	50.2	59.2
110.0	46.7	51.4	55.9	66.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	15.6	16.7	17.7	18.7
46.7	19.7	21.1	22.6	23.8
55.7	23.8	25.7	27.6	29.2
64.8	28.1	30.5	32.8	34.7
73.8	32.5	35.4	38.2	40.3
79.4**	35.2	38.5	41.5	43.8
82.9	37.0	40.4	43.6	46.0
91.9	41.6	45.6	49.2	51.9
101.0	46.4	50.9	54.9	57.9
110.0	51.2	56.3	60.8	64.0
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

Hercules C MK1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
34.6*	13.4	14.8	15.1	16.7
44.0	17.2	19.0	19.5	21.9
53.4	21.3	23.3	24.2	27.2
62.7	25.5	27.7	29.0	32.8
72.1	29.6	32.3	33.8	39.3
79.3**	33.0	35.9	37.7	44.2
81.5	34.0	37.0	39.3	45.7
90.8	38.4	41.7	44.8	52.2
100.2	42.7	46.6	50.6	59.1
109.6	47.3	51.6	56.2	66.1
119.0	51.9	56.6	61.8	73.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
34.6*	14.6	15.5	16.4	17.2
44.0	18.8	20.1	21.4	22.6
53.4	23.1	24.9	26.6	28.1
62.7	27.6	29.9	32.1	33.8
72.1	32.2	35.0	37.6	39.7
79.3**	35.8	39.0	42.0	44.3
81.5	36.9	40.2	43.3	45.7
90.8	41.7	45.6	49.2	51.8
100.2	46.7	51.2	55.2	58.1
109.6	51.8	56.8	61.3	64.5
119.0	57.0	62.6	67.5	70.9

* Minimum operating weight

** Maximum takeoff weight

HH-60G Pave Hawk
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.8*	3.5	3.7	3.8	3.9
6.0	4.4	4.6	4.7	4.8
7.1	5.2	5.5	5.5	5.7
8.2	6.0	6.4	6.4	6.6
9.3	6.8	7.2	7.3	7.5
10.0**	7.3	7.7	7.8	8.1
10.5	7.7	8.1	8.2	8.4
11.6	8.5	9.0	9.1	9.4
12.7	9.3	9.8	10.0	10.3
13.8	10.1	10.7	10.8	11.2
15.0	11.0	11.6	11.7	12.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.8*	3.5	3.6	3.6	3.6
6.0	4.3	4.4	4.5	4.5
7.1	5.2	5.3	5.3	5.4
8.2	6.0	6.1	6.2	6.2
9.3	6.8	7.0	7.1	7.1
10.0**	7.3	7.5	7.5	7.6
10.5	7.6	7.8	7.9	7.9
11.6	8.5	8.7	8.8	8.8
12.7	9.3	9.5	9.6	9.6
13.8	10.1	10.4	10.5	10.5
15.0	10.9	11.2	11.3	11.3

* Minimum operating weight

** Maximum takeoff weight

HS 125-400/600/700

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
6.2*	2.5	2.7	2.9	3.3
7.4	3	3.3	3.5	4.1
8.6	3.5	3.9	4.3	4.9
9.7	4.1	4.5	4.9	5.8
10.9	4.7	5.1	5.7	6.7
11.2**	4.8	5.2	5.8	6.9
12.1	5.3	5.8	6.4	7.5
13.3	6	6.5	7.2	8.4
14.4	6.7	7.1	8	9.3
15.6	7.4	7.8	8.8	10.1
16.8	8	8.5	9.7	11

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
6.2*	2.8	3	3.2	3.4
7.4	3.4	3.7	3.9	4.1
8.6	4	4.4	4.7	4.9
9.7	4.7	5.1	5.4	5.7
10.9	5.4	5.8	6.2	6.5
11.2**	5.6	6	6.4	6.7
12.1	6.1	6.6	7	7.3
13.3	6.8	7.4	7.8	8.1
14.4	7.6	8.1	8.6	8.9
15.6	8.3	8.9	9.4	9.8
16.8	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

HS 748, A748
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
12.5*	5.3	6	6.6	7.9
14.5	6.3	7.1	7.9	9.3
16.4	7.4	8.3	9.4	10.7
18.3	8.4	9.4	10.8	12.2
20	9.4	10.5	12.1	13.4
20.3**	9.6	10.7	12.3	13.6
22.2	10.7	12	13.7	15
24.1	11.9	13.4	15.1	16.5
26.1	13.3	14.8	16.4	17.9
28	14.6	16.2	17.8	19.3
29.9	16.1	17.5	19.2	20.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
12.5*	6.1	6.7	7.1	7.4
14.5	7.3	7.9	8.4	8.8
16.4	8.5	9.2	9.8	10.2
18.3	9.8	10.6	11.2	11.5
20	10.9	11.7	12.3	12.8
20.3**	11.1	11.9	12.6	13
22.2	12.4	13.3	14	14.4
24.1	13.7	14.7	15.4	15.9
26.1	15.1	16.1	16.9	17.4
28	16.5	17.6	18.4	18.9
29.9	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-62 Ilyushin 62

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
114*	28.2	30.7	35.6	47.6
128.8	32.9	36.2	43	56.7
143.6	38.1	41.9	50.6	65.8
158.5	43.1	48	58.4	75
164.9	45.4	50.7	62	79
173.3**	48.7	54.3	66.7	84.2
188.1	54.5	61.1	75	93.3
202.9	60.6	69.1	83.8	102.6
217.7	66.7	76.8	92.8	111.9
232.5	72.9	84.7	102.1	121.3
247.4	79.5	93.1	111.4	130.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
114*	27.5	32.8	38.9	44.5
128.8	32.4	38.8	46.1	52.4
143.6	37.5	45.3	53.7	60.7
158.5	43	52.1	61.6	69.2
164.9	45.4	55.1	65.1	73
173.3**	48.7	59.2	69.8	78.1
188.1	54.8	66.7	78.2	87.2
202.9	61.3	74.4	86.9	96.5
217.7	68	82.5	95.9	106
232.5	75	90.7	105.1	115.7
247.4	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from A-310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-76MD Candid B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
89.0*	7.8	8.6	10.4	13.6
110.8	10.4	11.7	14.1	18.6
132.6	13.5	14.9	18.2	24.3
154.3	16.5	18.8	22.6	30.4
176.1	20.0	22.5	27.7	36.8
190.0**	22.3	25.1	30.9	40.9
197.9	23.5	26.6	32.7	43.3
219.7	27.4	30.8	37.8	50.1
241.5	31.7	35.2	43.3	57.2
263.2	35.9	39.8	49.3	64.7
285.0	40.2	44.6	55.6	72.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
89.0*	11.2	12.5	13.4	14.3
110.8	14.7	16.2	17.3	18.7
132.6	18.3	19.9	21.5	23.6
154.3	22.0	23.9	25.8	28.9
176.1	25.7	27.9	30.5	34.6
190.0**	28.2	30.5	33.6	38.5
197.9	29.6	32.0	35.4	40.8
219.7	33.4	36.3	40.6	47.5
241.5	35.9	40.8	46.1	54.6
263.2	0.0	0.0	51.9	62.2
285.0	45.4	50.2	58.1	70.2

* Minimum operating weight

** Maximum takeoff weight

IL-76MF Candid (Stretched)
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
101.0*	9.2	10.4	12.4	16.3
124.8	12.4	13.8	16.7	22.1
148.6	15.5	17.7	21.4	28.7
172.4	19.4	21.9	26.9	35.7
196.1	23.2	26.3	32.3	42.7
210.0**	25.5	28.9	35.5	47.0
219.9	27.5	30.8	37.9	50.2
243.7	32.2	35.6	43.9	58.0
267.5	36.7	40.7	50.5	66.2
291.2	41.4	46.0	57.4	74.6
315.0	46.3	51.3	64.4	83.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
101.0*	13.1	14.5	15.5	16.7
124.8	17.0	18.6	19.9	21.8
148.6	21.0	22.8	24.7	27.4
172.4	25.1	27.2	29.7	33.6
196.1	29.2	31.7	35.0	40.3
210.0**	31.7	34.4	38.3	44.5
219.9	33.5	36.4	40.7	47.5
243.7	37.4	41.2	46.7	55.4
267.5	42.1	46.3	53.1	63.7
291.2	0.0	0.0	59.9	72.5
315.0	0.0	57.1	67.1	81.9

* Minimum operating weight

** Maximum takeoff weight

IL-76T Candid A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
80.8*	6.9	7.8	9.1	11.9
100.2	9.1	10.3	12.3	16.1
119.5	11.6	13.0	15.7	20.8
138.9	14.1	16.1	19.4	26.0
158.3	17.2	19.4	23.4	31.5
170.0**	19.0	21.5	26.3	35.0
177.6	20.2	22.8	28.0	37.2
197.0	23.4	26.4	32.5	43.0
216.3	26.8	30.1	37.0	49.1
235.7	30.4	34.0	41.8	55.3
255.0	34.5	38.0	47.0	61.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
80.8*	9.9	11.1	12.0	12.7
100.2	13.0	14.3	15.4	16.5
119.5	16.1	17.7	18.9	20.6
138.9	19.4	21.1	22.7	25.1
158.3	22.7	24.6	26.7	29.9
170.0**	24.7	26.7	29.2	33.0
177.6	26.0	28.2	30.8	35.0
197.0	29.4	31.9	35.2	40.5
216.3	32.8	35.7	39.8	46.4
235.7	36.3	39.6	44.6	52.7
255.0	39.8	43.6	49.7	59.3

* Minimum operating weight

** Maximum takeoff weight

IL-76TD Candid A

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
80.8*	6.9	7.8	9.1	11.9
103.5	9.5	10.7	12.8	16.9
126.2	12.7	14.0	17.0	22.5
148.9	15.5	17.8	21.4	28.8
171.6	19.3	21.8	26.7	35.4
190.0**	22.3	25.1	30.9	40.9
194.3	22.9	25.9	31.9	42.2
217.0	27.0	30.2	37.2	49.3
239.6	31.3	34.8	42.8	56.6
262.3	35.8	39.6	49.0	64.4
285.0	40.2	44.6	55.6	72.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
80.8*	9.9	11.1	12.0	12.7
103.5	13.5	14.9	16.0	17.2
126.2	17.2	18.8	20.2	22.1
148.9	21.1	22.9	24.7	27.5
171.6	25.0	27.0	29.5	33.4
190.0**	28.2	30.5	33.6	38.5
194.3	28.9	31.3	34.6	39.7
217.0	32.9	35.8	40.0	46.6
239.6	37.0	40.4	45.7	54.0
262.3	41.2	45.2	51.7	61.8
285.0	45.4	50.2	58.1	70.2

* Minimum operating weight

** Maximum takeoff weight

Jaguar GR MK1-T MK2

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
7.4*	3.1	3.4	3.7	4.3
9.2	3.9	4.3	4.8	5.7
11.0	4.9	5.4	6.0	7.0
12.8	5.9	6.4	7.3	8.3
14.6	6.9	7.6	8.6	9.7
15.7**	7.7	8.3	9.4	10.5
16.4	8.1	8.6	9.9	11.0
18.2	9.2	10.0	11.2	12.3
20.0	10.4	11.3	12.7	13.5
21.7	11.7	12.6	14.0	14.9
23.5	13.1	13.9	15.4	16.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
7.4*	3.6	3.9	4.1	4.3
9.2	4.6	5.0	5.3	5.5
11.0	5.7	6.2	6.5	6.8
12.8	6.9	7.4	7.8	8.0
14.6	8.0	8.6	9.1	9.4
15.7**	8.8	9.4	9.9	10.2
16.4	9.3	9.9	10.4	10.7
18.2	10.5	11.2	11.7	12.1
20.0	11.8	12.5	13.1	13.4
21.7	13.1	13.9	14.5	14.8
23.5	14.4	15.3	15.9	16.3

* Minimum operating weight

** Maximum takeoff weight

KC-10A Refueler
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
108.9*	18.6	19.1	21.1	25.5
141.4	25.0	25.9	29.3	36.7
173.9	31.9	33.8	38.1	50.3
206.4	39.0	42.0	47.9	65.4
238.9	46.6	50.8	59.3	81.1
267.6**	54.3	59.1	69.8	95.1
271.4	55.3	60.2	71.3	97.0
303.9	63.6	69.9	84.7	113.2
336.4	72.7	80.4	99.3	129.3
368.9	82.4	91.3	114.5	145.3
401.4	92.0	104.4	130.7	161.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
108.9*	18.1	19.3	21.5	24.6
141.4	23.7	26.1	30.0	34.6
173.9	29.8	33.6	39.5	45.7
206.4	36.2	41.9	49.8	57.6
238.9	43.2	50.9	60.9	70.4
267.6**	49.7	59.5	71.3	82.1
271.4	50.6	60.6	72.7	83.6
303.9	58.6	70.9	85.2	97.6
336.4	67.1	81.9	98.3	112.0
368.9	76.2	93.4	111.9	126.9
401.4	85.7	105.6	126.0	142.4

* Minimum operating weight

** Maximum takeoff weight

KC-46A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
123.8*	28.6	30.7	34.9	47.2
141.5	33.6	36.6	41.8	57.5
159.2	38.8	42.7	50.1	68.2
176.9	44.9	48.9	58.6	78.8
188.7	48.8	53.4	64.8	85.8
194.6**	50.7	55.7	68.0	89.4
212.3	56.9	62.8	77.7	100.2
230.0	63.4	70.1	87.9	110.9
247.7	69.9	79.0	98.5	121.7
265.4	76.6	87.8	109.3	132.3
283.0	83.8	96.9	120.0	142.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
123.8*	27.7	32.2	38.0	43.6
141.5	32.7	38.5	45.6	52.3
159.2	37.9	45.2	53.7	61.3
176.9	43.6	52.4	62.2	70.6
188.7	47.5	57.4	68.1	77.0
194.6**	49.6	59.9	71.1	80.3
212.3	55.9	67.8	80.2	90.3
230.0	62.6	76.0	89.7	100.5
247.7	69.5	84.6	99.5	111.0
265.4	76.8	93.5	109.5	121.9
283.0	84.4	102.6	119.8	132.8

* Minimum operating weight

** Maximum takeoff weight

KC-135 Refueler
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
47.3*	9.5	9.6	10.7	12.8
66.5	14.0	14.4	16.3	20.7
85.6	18.8	19.9	22.8	29.9
104.8	24.0	25.7	30.0	39.7
124.0	29.5	32.1	38.5	50.3
143.1**	35.6	39.3	47.5	61.4
146.5	36.8	40.7	49.2	63.4
162.3	42.1	46.8	57.1	72.6
181.4	48.7	54.8	67.0	84.0
200.6	55.9	64.4	77.3	95.4
219.8	63.2	73.7	88.1	106.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
47.3*	9.1	9.8	11.1	12.7
66.5	13.1	14.8	17.2	19.9
85.6	17.6	20.4	24.2	28.0
104.8	22.5	26.8	32.1	36.9
124.0	28.0	33.8	40.4	46.3
143.1**	33.9	41.4	49.5	56.3
146.5	35.1	42.8	51.1	58.1
162.3	40.5	49.6	59.2	66.7
181.4	47.5	58.3	69.0	77.5
200.6	55.0	67.5	79.5	88.8
219.8	63.0	77.2	90.4	100.3

* Minimum operating weight

** Maximum takeoff weight

KC-135A Refueler
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
47.3*	9.9	9.7	10.7	13.0
64.9	14.0	14.3	16.0	20.1
82.4	18.4	19.0	21.8	28.5
99.9	23.1	24.4	28.4	37.3
117.5	28.1	30.1	36.0	47.0
135.0**	33.2	36.4	43.8	57.0
136.8	33.7	37.0	44.7	58.0
152.6	39.4	43.1	52.4	67.5
170.1	45.3	50.1	61.3	78.1
187.7	51.5	57.6	70.7	88.9
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
47.3*	9.2	9.8	11.0	12.5
64.9	12.8	14.2	16.4	19.0
82.4	16.6	19.0	22.5	26.3
99.9	20.9	24.5	29.3	34.1
117.5	25.4	30.5	36.8	42.5
135.0**	30.4	37.0	44.6	51.5
136.8	30.9	37.7	45.5	52.4
152.6	35.8	43.9	53.0	60.7
170.1	41.6	51.4	61.8	70.4
187.7	47.8	59.4	71.1	80.5
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

KC-135E Stratotanker

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
50.9*	10.7	10.7	11.7	14.3
69.6	15.0	15.5	17.6	22.3
88.3	20.0	21.0	24.0	31.4
107.1	25.2	26.6	31.2	41.2
125.8	30.5	33.0	39.6	51.7
144.5**	36.6	39.9	48.4	62.7
146.3	37.2	40.6	49.3	63.7
163.3	43.1	47.3	57.7	73.9
182.0	49.4	55.1	67.7	85.4
200.7	56.3	64.4	77.7	97.0
219.4	63.7	73.8	88.3	108.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
50.9*	9.9	10.7	12.0	13.8
69.6	13.8	15.4	18.0	20.9
88.3	18.0	20.8	24.8	28.9
107.1	22.7	26.9	32.3	37.5
125.8	27.7	33.5	40.4	46.7
144.5**	33.3	40.7	49.1	56.4
146.3	33.8	41.4	50.0	57.4
163.3	39.3	48.5	58.3	66.6
182.0	45.8	56.7	68.1	77.2
200.7	52.8	65.5	78.2	88.3
219.4	60.1	74.6	88.7	99.5

* Minimum operating weight

** Maximum takeoff weight

KC-135R/T Stratotanker
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
54.1*	11.4	11.5	12.6	15.5
72.5	15.7	16.3	18.5	23.6
90.8	20.6	21.7	24.9	32.6
109.2	25.8	27.3	32.0	42.4
127.6	31.0	33.7	40.4	52.7
145.9**	37.1	40.5	49.1	63.5
146.3	37.2	40.6	49.3	63.7
164.3	43.5	47.7	58.3	74.6
182.7	49.6	55.4	68.0	85.9
201.1	56.5	64.6	77.9	97.2
219.4	63.7	73.8	88.3	108.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
54.1*	10.6	11.4	13.0	14.9
72.5	14.4	16.2	19.0	22.1
90.8	18.6	21.6	25.7	30.0
109.2	23.3	27.6	33.2	38.5
127.6	28.2	34.2	41.2	47.6
145.9**	33.7	41.3	49.8	57.2
146.3	33.8	41.4	50.0	57.4
164.3	39.6	48.9	58.9	67.2
182.7	46.0	57.1	68.5	77.6
201.1	52.9	65.6	78.4	88.5
219.4	60.1	74.6	88.7	99.5

* Minimum operating weight

** Maximum takeoff weight

L-159
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.5*	4.2	4.2	4.2	4.2
5.5	5.1	5	5	5.1
6.4	5.9	5.9	5.9	6
7.3	6.7	6.7	6.7	6.8
8.2	7.6	7.5	7.6	7.7
8.5**	7.9	7.8	7.9	7.9
9.1	8.4	8.4	8.4	8.5
10	9.3	9.2	9.3	9.4
10.9	10.1	10.1	10.1	10.2
11.8	11	10.9	10.9	11.1
12.7	11.8	11.7	11.8	11.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.5*	4.1	4.1	4.2	4.2
5.5	4.9	5	5	5
6.4	5.8	5.8	5.9	5.8
7.3	6.6	6.7	6.7	6.7
8.2	7.4	7.5	7.6	7.5
8.5**	7.7	7.8	7.8	7.8
9.1	8.3	8.4	8.4	8.4
10	9.1	9.2	9.2	9.2
10.9	9.9	10.1	10.1	10
11.8	10.8	10.9	10.9	10.9
12.7	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

L-1011-500
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
111.5*	23.4	24.2	27.1	33.5
136.7	29.7	31.2	35.2	45.2
162.0	36.1	38.4	43.7	58.0
187.3	43.0	46.4	53.2	71.9
212.5	50.7	54.7	64.2	86.5
225.9**	54.0	59.2	70.1	94.5
237.8	57.5	63.5	75.5	101.5
263.0	66.4	72.9	87.8	116.4
288.3	74.7	82.4	101.1	131.6
313.6	83.1	93.8	114.7	146.8
338.8	92.4	105.0	128.8	161.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
111.5*	22.0	24.0	27.3	31.4
136.7	27.4	30.6	35.6	41.2
162.0	33.1	37.8	44.6	51.8
187.3	39.1	45.6	54.4	63.1
212.5	45.6	53.9	64.8	75.0
225.9**	49.1	58.6	70.5	81.5
237.8	52.4	62.9	75.7	87.4
263.0	59.8	72.4	87.3	100.3
288.3	67.4	82.4	99.4	113.7
313.6	75.5	93.0	111.8	127.4
338.8	84.1	103.9	124.8	141.6

* Minimum operating weight

** Maximum takeoff weight

LC-130H Hercules
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
35.2*	12.5	14.4	15.1	16.9
44.5	16.1	18.6	19.6	22.0
53.8	19.8	22.9	24.2	27.8
63.2	23.9	27.2	28.9	33.6
72.5	27.9	31.7	33.8	39.6
79.4**	30.8	35.0	37.5	44.2
81.8	31.9	36.2	38.7	45.8
91.1	35.9	40.8	44.0	52.3
100.4	40.2	45.7	49.3	59.1
109.8	44.5	50.7	54.6	66.0
119.1	48.9	55.9	61.0	73.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
35.2*	14.1	15.1	16.1	17.1
44.5	18.1	19.5	21.0	22.2
53.8	22.2	24.1	26.0	27.6
63.2	26.4	28.9	31.2	33.1
72.5	30.8	33.7	36.6	38.9
79.4**	34.1	37.5	40.7	43.2
81.8	35.2	38.8	42.1	44.7
91.1	39.8	44.0	47.8	50.7
100.4	44.6	49.3	53.6	56.8
109.8	49.4	54.8	59.6	63.0
119.1	54.4	60.3	65.6	69.3

* Minimum operating weight

** Maximum takeoff weight

Learjet 23/24/25/28/36/55

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.6*	2	2.1	2.3	2.6
5.5	2.5	2.6	2.8	3.3
6.3	3	3.1	3.4	3.9
7.2	3.4	3.6	4	4.5
8.1	3.9	4.1	4.6	5.2
8.3**	4.1	4.2	4.8	5.3
9	4.4	4.6	5.2	5.8
9.8	5	5.2	5.8	6.5
10.7	5.5	5.8	6.5	7.1
11.6	6.1	6.3	7.1	7.8
12.5	6.7	7	7.8	8.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.6*	2.3	2.5	2.6	2.7
5.5	2.8	3	3.2	3.3
6.3	3.4	3.6	3.8	3.9
7.2	3.9	4.2	4.4	4.6
8.1	4.5	4.8	5	5.2
8.3**	4.7	5	5.2	5.3
9	5.1	5.4	5.7	5.8
9.8	5.7	6.1	6.3	6.5
10.7	6.3	6.7	7	7.2
11.6	7	7.3	7.6	7.8
12.5	7.6	8	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-21A LEARJET 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

M-28A Skytruck
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.4*	2.5	3.0	3.5	3.7
5.2	2.9	3.5	4.1	4.3
5.9	3.4	4.0	4.7	4.9
6.7	3.8	4.6	5.3	5.6
7.4	4.2	5.1	5.9	6.2
7.5**	4.2	5.1	5.9	6.2
8.2	4.6	5.6	6.5	6.8
9.0	5.1	6.1	7.1	7.5
9.7	5.5	6.6	7.7	8.1
10.5	5.9	7.2	8.3	8.7
11.3	6.4	7.7	8.9	9.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.4*	2.9	3.0	3.1	3.2
5.2	3.4	3.5	3.7	3.7
5.9	3.9	4.1	4.2	4.3
6.7	4.4	4.6	4.7	4.8
7.4	4.9	5.1	5.3	5.4
7.5**	4.9	5.1	5.3	5.4
8.2	5.4	5.6	5.8	5.9
9.0	5.9	6.1	6.3	6.4
9.7	6.4	6.7	6.9	7.0
10.5	6.8	7.2	7.4	7.5
11.3	7.3	7.7	7.9	8.1

* Minimum operating weight

** Maximum takeoff weight

MC-130E Combat Talon I
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	14.1	15.7	16.3	18.2
46.7	17.9	20.0	20.6	23.2
55.7	21.9	24.3	25.2	28.4
64.8	25.8	28.5	29.8	34.3
73.8	29.9	32.8	34.5	40.0
79.4**	32.4	35.5	37.5	43.8
82.9	34.0	37.3	39.3	46.2
91.9	38.1	41.8	44.2	52.6
101.0	42.3	46.5	50.2	59.2
110.0	46.7	51.4	55.9	66.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	15.6	16.7	17.7	18.7
46.7	19.7	21.1	22.6	23.8
55.7	23.8	25.7	27.6	29.2
64.8	28.1	30.5	32.8	34.7
73.8	32.5	35.4	38.2	40.3
79.4**	35.2	38.5	41.5	43.8
82.9	37.0	40.4	43.6	46.0
91.9	41.6	45.6	49.2	51.9
101.0	46.4	50.9	54.9	57.9
110.0	51.2	56.3	60.8	64.0
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MC-130H Combat Talon II
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	14.1	15.7	16.3	18.2
46.7	17.9	20.0	20.6	23.2
55.7	21.9	24.3	25.2	28.4
64.8	25.8	28.5	29.8	34.3
73.8	29.9	32.8	34.5	40.0
79.4**	32.4	35.5	37.5	43.8
82.9	34.0	37.3	39.3	46.2
91.9	38.1	41.8	44.2	52.6
101.0	42.3	46.5	50.2	59.2
110.0	46.7	51.4	55.9	66.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	15.6	16.7	17.7	18.7
46.7	19.7	21.1	22.6	23.8
55.7	23.8	25.7	27.6	29.2
64.8	28.1	30.5	32.8	34.7
73.8	32.5	35.4	38.2	40.3
79.4**	35.2	38.5	41.5	43.8
82.9	37.0	40.4	43.6	46.0
91.9	41.6	45.6	49.2	51.9
101.0	46.4	50.9	54.9	57.9
110.0	51.2	56.3	60.8	64.0
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MC-130P Combat Shadow

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	14.1	15.7	16.3	18.2
46.7	17.9	20.0	20.6	23.2
55.7	21.9	24.3	25.2	28.4
64.8	25.8	28.5	29.8	34.3
73.8	29.9	32.8	34.5	40.0
79.4**	32.4	35.5	37.5	43.8
82.9	34.0	37.3	39.3	46.2
91.9	38.1	41.8	44.2	52.6
101.0	42.3	46.5	50.2	59.2
110.0	46.7	51.4	55.9	66.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	15.6	16.7	17.7	18.7
46.7	19.7	21.1	22.6	23.8
55.7	23.8	25.7	27.6	29.2
64.8	28.1	30.5	32.8	34.7
73.8	32.5	35.4	38.2	40.3
79.4**	35.2	38.5	41.5	43.8
82.9	37.0	40.4	43.6	46.0
91.9	41.6	45.6	49.2	51.9
101.0	46.4	50.9	54.9	57.9
110.0	51.2	56.3	60.8	64.0
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MD-11
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
131.0*	23.9	24.7	27.6	34.3
164.3	31.1	33.0	36.8	48.0
197.6	38.6	41.5	46.8	63.7
230.9	46.4	50.7	58.0	80.2
264.2	55.8	60.5	71.3	97.0
287.1**	62.0	67.4	80.8	108.7
297.5	64.8	70.6	85.4	114.0
330.8	74.3	81.7	100.8	131.1
364.1	84.6	93.3	117.0	148.0
397.4	95.0	107.1	133.8	164.9
430.7	105.7	121.2	151.0	182.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
131.0*	23.2	25.3	28.8	33.0
164.3	29.8	33.4	38.9	44.7
197.6	36.8	42.2	49.7	57.3
230.9	44.3	51.9	61.6	70.7
264.2	52.4	62.3	74.2	84.9
287.1**	58.3	69.9	83.2	95.0
297.5	61.1	73.4	87.5	99.7
330.8	70.4	85.3	101.5	115.1
364.1	80.4	97.7	116.1	131.0
397.4	90.8	110.9	131.2	147.4
430.7	101.9	124.5	146.9	164.4

* Minimum operating weight

** Maximum takeoff weight

MD-81
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
35.3*	18	18.3	20.4	23.5
42	21.9	22.4	25.3	28.7
48.7	26	26.8	30.3	34
55.3	30.2	31.3	35.6	39.3
62	34.5	36.2	41	44.6
63.5**	35.5	37.3	42.2	45.8
68.6	38.8	41.4	46.4	49.8
75.3	43.3	47.1	51.8	55.1
81.9	48	52.3	57.2	60.4
88.6	54	57.9	62.6	65.7
95.3	59.2	63.5	67.9	71

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
35.3*	19.7	21.2	22.4	23.2
42	24.2	25.9	27.4	28.3
48.7	28.8	30.9	32.5	33.5
55.3	33.7	36	37.8	38.8
62	38.6	41.2	43.2	44.2
63.5**	39.8	42.5	44.4	45.5
68.6	43.7	46.6	48.6	49.8
75.3	48.9	52	54.2	55.4
81.9	54.3	57.6	59.9	61.1
88.6	59.7	63.2	65.7	66.8
95.3	65.2	69	71.6	72.7

* Minimum operating weight

** Maximum takeoff weight

MD-82/88
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
35.4*	17.9	18.4	20.5	23.6
42.7	22.4	22.9	25.9	29.4
50.1	26.8	28.4	31.6	35.2
57.5	31.7	33.7	37.5	41
64.9	36.7	39.1	43.4	46.8
67.8**	38.6	41.4	45.8	49.1
72.2	41.5	45	49.3	52.6
79.6	47.4	51.1	55.3	58.5
87	53	57.3	61.2	64.3
94.4	58.9	63.4	67.2	70.2
101.7	64.9	69.6	73.1	76

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
35.4*	20.2	21.6	22.8	23.5
42.7	25.3	27.1	28.4	29.3
50.1	30.6	32.7	34.2	35.1
57.5	36.1	38.4	40.2	41.1
64.9	41.8	44.4	46.3	47.3
67.8**	44.1	46.8	48.8	49.8
72.2	47.6	50.5	52.5	53.5
79.6	53.5	56.6	58.8	59.9
87	59.6	63	65.3	66.3
94.4	65.9	69.4	71.8	72.8
101.7	72.2	76	78.5	79.5

* Minimum operating weight

** Maximum takeoff weight

MD-83
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.2*	18.3	19	21.1	24.1
44.2	23.5	24.3	27.1	30.5
52.3	28.5	30.1	33.4	36.9
60.4	33.8	36.1	39.9	43.3
68.5	39.3	42.3	46.3	49.7
72.6**	42.1	45.6	49.6	52.9
76.5	45.5	48.9	52.8	56.1
84.6	51.5	55.5	59.5	62.5
92.7	58	62.3	66.1	68.9
100.8	64.5	69.1	72.7	75.3
108.9	71.2	75.9	79.3	81.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
36.2*	21.1	22.5	23.6	24.4
44.2	26.8	28.5	29.9	30.7
52.3	32.7	34.8	36.4	37.3
60.4	38.9	41.3	43	43.9
68.5	45.2	47.9	49.8	50.8
72.6**	48.6	51.4	53.3	54.3
76.5	51.8	54.7	56.7	57.7
84.6	58.5	61.7	63.8	64.8
92.7	65.4	68.8	71	72
100.8	72.3	76	78.3	79.2
108.9	79.5	83.3	85.8	86.7

* Minimum operating weight

** Maximum takeoff weight

MD-87
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
34*	17.1	17.6	19.5	22.4
41.5	21.6	22.1	25	28.4
49	26.1	27.6	30.7	34.3
56.6	31	33	36.8	40.2
64.1	36.1	38.5	42.8	46.2
67.8**	38.6	41.4	45.8	49.1
71.6	41.1	44.5	48.8	52.2
79.1	47	50.7	54.9	58.1
86.7	52.8	57	61	64.1
94.2	58.8	63.3	67.1	70.1
101.7	64.9	69.6	73.1	76

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
34*	19.2	20.6	21.7	22.5
41.5	24.4	26.1	27.5	28.3
49	29.8	31.8	33.4	34.3
56.6	35.4	37.7	39.4	40.4
64.1	41.2	43.7	45.6	46.6
67.8**	44.1	46.8	48.8	49.8
71.6	47.1	49.9	51.9	53
79.1	53.2	56.2	58.4	59.5
86.7	59.4	62.7	65	66
94.2	65.7	69.3	71.6	72.7
101.7	72.2	76	78.5	79.5

* Minimum operating weight

** Maximum takeoff weight

MH-53J/M Pave Low
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.7*	4.2	4.2	4.7	5.4
13.3	5.4	5.5	6.1	7.0
15.9	6.6	6.8	7.5	8.6
18.4	7.9	8.2	9.1	10.2
21.0	9.2	9.5	10.8	11.8
22.7**	10.0	10.5	11.9	12.9
23.6	10.5	11.0	12.5	13.5
26.2	11.9	12.6	14.1	15.1
28.8	13.4	14.4	15.8	16.7
31.4	14.8	16.0	17.5	18.3
34.0	16.5	17.6	18.9	20.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
10.7*	4.7	5.0	5.3	5.5
13.3	6.1	6.5	6.8	7.0
15.9	7.6	8.0	8.4	8.6
18.4	9.1	9.6	10.0	10.3
21.0	10.6	11.2	11.7	12.0
22.7**	11.6	12.3	12.8	13.0
23.6	12.2	12.9	13.4	13.7
26.2	13.9	14.6	15.1	15.4
28.8	15.5	16.3	16.9	17.2
31.4	17.2	18.1	18.7	18.9
34.0	19.0	19.9	20.5	20.7

* Minimum operating weight

** Maximum takeoff weight

MHU-196 Airfield
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
18.1*	7.4	7.5	7.8	8.4
22.2	9.3	9.3	9.8	10.7
26.2	11.2	11.3	11.8	13.0
30.2	13.1	13.3	13.9	15.5
34.3	14.9	15.3	16.1	17.9
36.3**	15.8	16.3	17.2	19.2
38.3	16.8	17.4	18.3	20.5
42.3	19.1	19.5	20.6	23.1
46.4	21.1	21.7	23.1	25.7
50.4	23.2	23.8	25.5	28.3
54.4	25.4	26.1	28.0	31.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
18.1*	11.7	11.4	11.0	11.1
22.2	14.2	13.8	13.6	13.7
26.2	16.6	16.2	16.2	16.4
30.2	19.1	18.6	18.8	19.1
34.3	21.5	21.0	21.4	21.9
36.3**	22.7	22.3	22.7	23.3
38.3	23.9	23.6	24.1	24.7
42.3	26.2	26.1	26.8	27.5
46.4	28.6	28.7	29.5	30.3
50.4	30.9	31.4	32.3	33.2
54.4	33.2	34.0	35.1	36.1

* Minimum operating weight

** Maximum takeoff weight

MIG-25 Russian
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.6*	17.5	17.2	17.4	17.4
24.3	21.7	21.3	21.5	21.6
28.9	25.9	25.4	25.7	25.7
33.6	30.1	29.5	29.8	29.9
38.2	34.2	33.6	33.9	34.0
41.0**	36.7	36.1	36.4	36.5
42.9	38.4	37.7	38.1	38.1
47.5	42.6	41.8	42.2	42.3
52.2	46.7	45.9	46.3	46.4
56.8	50.9	50.0	50.5	50.6
61.5	55.1	54.1	54.6	54.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
19.6*	17.3	17.5	17.5	17.4
24.3	21.4	21.7	21.7	21.5
28.9	25.5	25.8	25.9	25.6
33.6	29.6	30.0	30.1	29.8
38.2	33.8	34.2	34.2	33.9
41.0**	36.2	36.7	36.7	36.4
42.9	37.9	38.4	38.4	38.0
47.5	42.0	42.5	42.6	42.2
52.2	46.1	46.7	46.8	46.3
56.8	50.2	50.9	50.9	50.4
61.5	54.3	55.0	55.1	54.5

* Minimum operating weight

** Maximum takeoff weight

MIG-29 Russian
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
10.9*	9.6	9.6	9.6	9.7
13.0	11.4	11.4	11.5	11.5
15.0	13.3	13.2	13.3	13.4
17.1	15.1	15.0	15.1	15.2
19.2	16.9	16.9	17.0	17.1
19.7**	17.4	17.3	17.4	17.5
21.3	18.7	18.7	18.8	18.9
23.3	20.6	20.5	20.6	20.7
25.4	22.4	22.3	22.4	22.6
27.5	24.2	24.2	24.3	24.4
29.6	26.0	26.0	26.1	26.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
10.9*	9.5	9.6	9.6	9.6
13.0	11.3	11.4	11.5	11.4
15.0	13.1	13.3	13.3	13.2
17.1	14.9	15.1	15.2	15.1
19.2	16.8	17.0	17.0	16.9
19.7**	17.2	17.4	17.5	17.3
21.3	18.6	18.8	18.9	18.7
23.3	20.4	20.7	20.7	20.5
25.4	22.2	22.5	22.6	22.4
27.5	24.0	24.3	24.4	24.2
29.6	25.8	26.2	26.2	26.0

* Minimum operating weight

** Maximum takeoff weight

Mirage 2000, MIR2
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.9*	7.1	6.8	6.7	6.6
9.9	8.8	8.6	8.4	8.3
11.8	10.6	10.2	10	9.9
13.8	12.3	11.9	11.7	11.5
15.7	14	13.6	13.4	13.2
17**	15.2	14.7	14.4	14.2
17.7	15.8	15.3	15	14.8
19.6	17.6	17	16.7	16.5
21.6	19.3	18.7	18.3	18.1
23.6	21.1	20.4	20	19.7
25.5	22.8	22.1	21.7	21.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.9*	7.3	7.3	7.2	7.1
9.9	9.1	9.1	9	8.9
11.8	11	11	10.9	10.7
13.8	12.8	12.8	12.7	12.5
15.7	14.7	14.7	14.5	14.3
17**	15.9	15.9	15.7	15.4
17.7	16.5	16.5	16.3	16
19.6	18.4	18.4	18.2	17.8
21.6	20.3	20.2	20	19.6
23.6	22.1	22.1	21.9	21.4
25.5	24	24	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from F-16D which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

MQ-1B Predator
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
0.9*	0.3	0.4	0.6	0.7
0.9	0.4	0.5	0.6	0.7
1.0	0.4	0.5	0.7	0.8
1.0	0.4	0.5	0.7	0.8
1.1	0.4	0.6	0.7	0.9
1.2**	0.4	0.6	0.8	0.9
1.2	0.5	0.6	0.8	1.0
1.3	0.5	0.7	0.9	1.0
1.4	0.5	0.7	0.9	1.1
1.5	0.5	0.7	1.0	1.1
1.5	0.6	0.8	1.0	1.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
0.9*	0.5	0.5	0.5	0.6
0.9	0.5	0.6	0.6	0.6
1.0	0.6	0.6	0.6	0.7
1.0	0.6	0.6	0.6	0.7
1.1	0.6	0.6	0.7	0.7
1.2**	0.7	0.7	0.7	0.7
1.2	0.7	0.7	0.8	0.8
1.3	0.7	0.8	0.8	0.8
1.4	0.8	0.8	0.9	0.9
1.5	0.8	0.9	0.9	0.9
1.5	0.9	0.9	1.0	1.0

* Minimum operating weight

** Maximum takeoff weight

MQ-1C Gray Eagle

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.2*	0.5	0.6	0.8	1.0
1.3	0.5	0.7	0.9	1.1
1.4	0.6	0.8	1.0	1.2
1.6	0.6	0.9	1.1	1.3
1.6	0.6	0.9	1.2	1.4
1.7**	0.7	0.9	1.2	1.4
1.9	0.7	1.0	1.3	1.6
2.0	0.8	1.1	1.4	1.7
2.2	0.9	1.2	1.5	1.8
2.3	0.9	1.2	1.6	1.9
2.5	1.0	1.3	1.7	2.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
1.2*	0.7	0.7	0.8	0.8
1.3	0.8	0.8	0.9	0.9
1.4	0.9	0.9	0.9	1.0
1.6	0.9	1.0	1.0	1.1
1.6	1.0	1.0	1.1	1.1
1.7**	1.0	1.1	1.1	1.2
1.9	1.1	1.2	1.2	1.3
2.0	1.2	1.3	1.3	1.4
2.2	1.3	1.3	1.4	1.5
2.3	1.3	1.4	1.5	1.6
2.5	1.4	1.5	1.6	1.7

* Minimum operating weight

** Maximum takeoff weight

MQ-5B Hunter
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
0.7*	0.4	0.5	0.6	0.6
0.7	0.4	0.5	0.6	0.6
0.8	0.5	0.6	0.7	0.7
0.9	0.5	0.6	0.7	0.8
0.9	0.5	0.6	0.7	0.8
1.0**	0.5	0.7	0.8	0.8
1.0	0.6	0.7	0.9	0.9
1.1	0.6	0.8	0.9	1.0
1.2	0.7	0.8	1.0	1.0
1.3	0.7	0.9	1.0	1.1
1.3	0.8	0.9	1.1	1.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
0.7*	0.5	0.5	0.5	0.5
0.7	0.5	0.5	0.5	0.6
0.8	0.6	0.6	0.6	0.6
0.9	0.6	0.6	0.7	0.7
0.9	0.6	0.6	0.7	0.7
1.0**	0.7	0.7	0.7	0.7
1.0	0.7	0.7	0.8	0.8
1.1	0.8	0.8	0.8	0.8
1.2	0.8	0.8	0.9	0.9
1.3	0.9	0.9	0.9	0.9
1.3	0.9	0.9	1.0	1.0

* Minimum operating weight

** Maximum takeoff weight

**MQ-8 Fire Scout
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
0.9*	0.1	0.1	0.2	0.3
1.1	0.1	0.1	0.2	0.3
1.2	0.1	0.2	0.3	0.4
1.3	0.1	0.2	0.3	0.4
1.4	0.1	0.2	0.3	0.4
1.5**	0.1	0.2	0.3	0.4
1.6	0.2	0.2	0.3	0.5
1.7	0.2	0.3	0.4	0.5
1.9	0.2	0.3	0.4	0.6
2.0	0.2	0.3	0.4	0.6
2.1	0.2	0.3	0.5	0.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
0.9*	0.2	0.3	0.3	0.3
1.1	0.3	0.3	0.3	0.3
1.2	0.3	0.3	0.4	0.4
1.3	0.3	0.4	0.4	0.4
1.4	0.4	0.4	0.4	0.5
1.5**	0.4	0.4	0.4	0.5
1.6	0.4	0.5	0.5	0.5
1.7	0.5	0.5	0.5	0.6
1.9	0.5	0.5	0.6	0.6
2.0	0.5	0.6	0.6	0.6
2.1	0.6	0.6	0.6	0.7

* Minimum operating weight

** Maximum takeoff weight

MQ-9A Reaper
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.2*	2.0	2.0	2.1	2.1
2.8	2.5	2.5	2.6	2.6
3.3	3.1	3.0	3.1	3.1
3.9	3.6	3.5	3.6	3.6
4.4	4.1	4.0	4.1	4.1
4.8**	4.4	4.4	4.4	4.4
5.0	4.6	4.6	4.6	4.6
5.5	5.1	5.1	5.1	5.1
6.1	5.6	5.6	5.6	5.6
6.6	6.1	6.1	6.1	6.1
7.1	6.6	6.6	6.6	6.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.2*	2.0	2.0	2.0	2.0
2.8	2.5	2.5	2.5	2.5
3.3	3.0	3.0	3.0	3.0
3.9	3.5	3.5	3.5	3.5
4.4	4.0	4.0	4.0	4.0
4.8**	4.3	4.3	4.4	4.3
5.0	4.5	4.5	4.5	4.5
5.5	5.0	5.0	5.0	5.0
6.1	5.5	5.5	5.6	5.5
6.6	6.0	6.0	6.1	6.0
7.1	6.5	6.6	6.6	6.5

* Minimum operating weight

** Maximum takeoff weight

MV-22 Osprey
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.2*	5.4	5.9	6.4	7.6
18.1	6.6	7.2	7.9	9.5
21.0	7.8	8.6	9.5	11.3
23.9	9.1	9.9	11.3	13.1
26.7	10.4	11.4	13.1	15.0
27.4**	10.7	11.7	13.5	15.4
29.6	11.7	12.9	14.9	16.8
32.5	13.2	14.5	16.7	18.7
35.4	14.6	16.2	18.6	20.5
38.3	16.3	17.8	20.5	22.3
41.2	18.0	19.9	22.3	24.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
15.2*	6.0	6.6	7.0	7.4
18.1	7.4	8.0	8.6	9.0
21.0	8.8	9.6	10.2	10.7
23.9	10.3	11.2	11.9	12.4
26.7	11.8	12.8	13.6	14.2
27.4**	12.2	13.2	14.1	14.6
29.6	13.4	14.5	15.4	16.0
32.5	15.0	16.2	17.2	17.8
35.4	16.7	18.0	19.0	19.6
38.3	18.4	19.8	20.8	21.5
41.2	20.1	21.6	22.7	23.3

* Minimum operating weight

** Maximum takeoff weight

OC-135B Open Skies
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
57.3*	12.2	12.3	13.7	16.7
73.4	15.9	16.6	18.8	24.0
89.5	20.3	21.3	24.4	32.0
105.6	24.7	26.1	30.5	40.4
121.7	29.3	31.5	37.8	49.4
134.7**	33.1	36.3	43.7	56.8
137.8	34.0	37.3	45.1	58.6
153.8	39.9	43.6	53.0	68.2
169.9	45.2	50.0	61.2	77.9
186.0	50.9	56.9	69.8	87.9
202.1	56.8	65.0	78.4	97.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
57.3*	11.2	12.2	14.0	16.1
73.4	14.6	16.5	19.3	22.5
89.5	18.3	21.2	25.2	29.4
105.6	22.3	26.4	31.6	36.8
121.7	26.6	32.0	38.6	44.6
134.7**	30.3	36.9	44.5	51.3
137.8	31.2	38.0	45.9	52.9
153.8	36.2	44.5	53.6	61.4
169.9	41.5	51.3	61.7	70.3
186.0	47.2	58.6	70.2	79.5
202.1	53.2	66.1	78.9	89.1

* Minimum operating weight

** Maximum takeoff weight

OH-58A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
0.7*	0.1	0.1	0.2	0.2
0.9	0.1	0.1	0.2	0.3
1.0	0.1	0.1	0.2	0.3
1.2	0.1	0.2	0.3	0.4
1.3	0.1	0.2	0.3	0.4
1.4**	0.1	0.2	0.3	0.5
1.4	0.1	0.2	0.3	0.5
1.6	0.1	0.2	0.4	0.5
1.7	0.2	0.3	0.4	0.6
1.9	0.2	0.3	0.4	0.6
2.0	0.2	0.3	0.5	0.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
0.7*	0.2	0.2	0.2	0.2
0.9	0.2	0.2	0.3	0.3
1.0	0.3	0.3	0.3	0.3
1.2	0.3	0.3	0.3	0.4
1.3	0.3	0.4	0.4	0.4
1.4**	0.3	0.4	0.4	0.4
1.4	0.4	0.4	0.4	0.4
1.6	0.4	0.4	0.5	0.5
1.7	0.4	0.5	0.5	0.5
1.9	0.5	0.5	0.6	0.6
2.0	0.5	0.6	0.6	0.6

* Minimum operating weight

** Maximum takeoff weight

OV-1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.6*	2.3	2.7	3.0	3.1
4.6	2.9	3.4	3.7	3.9
5.5	3.5	4.1	4.5	4.7
6.5	4.1	4.9	5.3	5.5
7.5	4.7	5.6	6.1	6.3
8.2**	5.2	6.1	6.6	6.9
8.4	5.3	6.3	6.8	7.2
9.4	5.9	7.0	7.6	8.0
10.3	6.5	7.7	8.4	8.8
11.3	7.1	8.5	9.2	9.6
12.3	7.8	9.1	10.0	10.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.6*	2.5	2.6	2.7	2.7
4.6	3.2	3.3	3.4	3.4
5.5	3.9	4.0	4.1	4.2
6.5	4.5	4.7	4.8	4.9
7.5	5.2	5.4	5.5	5.6
8.2**	5.7	5.9	6.0	6.1
8.4	5.8	6.1	6.2	6.3
9.4	6.5	6.8	6.9	7.0
10.3	7.2	7.4	7.6	7.7
11.3	7.8	8.1	8.3	8.4
12.3	8.5	8.8	9.0	9.1

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - High Pressure
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
30.8*	15.7	16.1	17.9	20.6
38.4	20.3	21.0	23.5	26.5
45.9	25.1	26.2	29.4	32.4
53.5	30.0	32.0	35.4	38.4
61.0	35.1	37.9	41.5	44.3
65.8**	38.9	41.8	45.3	48.1
68.5	40.4	44.1	47.5	50.3
76.1	46.8	50.4	53.6	56.2
83.6	52.8	56.6	59.8	62.2
91.1	59.1	62.9	65.9	68.1
98.7	65.4	69.3	72.1	74.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
30.8*	17.9	19.1	20.1	20.7
38.4	23.2	24.8	25.9	26.6
45.9	28.8	30.6	32.0	32.7
53.5	34.6	36.6	38.2	39.0
61.0	40.6	42.9	44.5	45.4
65.8**	44.5	46.9	48.6	49.5
68.5	46.7	49.2	51.0	51.9
76.1	53.0	55.8	57.7	58.5
83.6	59.5	62.4	64.4	65.2
91.1	66.0	69.3	71.3	72.1
98.7	72.8	76.1	78.2	78.9

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - Low Pressure
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
34.5*	17.7	18.4	20.6	23.5
41.7	22.2	22.9	26.0	29.1
48.8	26.7	28.3	31.7	34.7
55.9	31.4	33.6	37.4	40.3
63.0	36.3	39.2	43.1	45.9
65.8**	38.3	41.5	45.3	48.0
70.2	41.4	45.2	48.8	51.5
77.3	47.4	51.1	54.6	57.2
84.4	53.0	57.1	60.3	62.8
91.5	59.1	63.0	66.0	68.4
98.7	65.0	68.9	71.7	74.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
34.5*	20.2	21.6	22.7	23.4
41.7	25.2	26.9	28.2	29.0
48.8	30.5	32.5	33.9	34.7
55.9	35.9	38.2	39.8	40.7
63.0	41.6	44.0	45.8	46.7
65.8**	43.8	46.3	48.1	49.0
70.2	47.3	50.1	51.9	52.8
77.3	53.3	56.2	58.1	59.0
84.4	59.3	62.4	64.5	65.4
91.5	65.5	68.8	70.9	71.8
98.7	71.8	75.3	77.5	78.3

* Minimum operating weight

** Maximum takeoff weight

P-3N Orion
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.8*	15.6	16.0	17.8	20.5
37.1	19.4	19.9	22.5	25.4
43.3	23.3	24.1	27.2	30.4
49.6	27.2	28.2	32.2	35.3
55.8	31.3	33.1	37.3	40.3
58.1**	32.7	34.8	39.1	42.0
62.1	35.4	38.2	42.3	45.2
68.3	39.8	43.3	47.4	50.2
74.6	45.1	48.4	52.4	55.2
80.8	50.1	53.7	57.5	60.1
87.1	54.9	58.9	62.5	65.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
30.8*	17.3	18.6	19.7	20.3
37.1	21.6	23.1	24.4	25.1
43.3	26.0	27.9	29.2	30.1
49.6	30.7	32.7	34.2	35.1
55.8	35.4	37.7	39.3	40.2
58.1**	37.1	39.5	41.2	42.1
62.1	40.3	42.7	44.5	45.5
68.3	45.2	47.9	49.9	50.8
74.6	50.3	53.2	55.2	56.2
80.8	55.5	58.6	60.7	61.7
87.1	60.8	64.1	66.3	67.2

* Minimum operating weight

** Maximum takeoff weight

P-8A Poseidon
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.7*	22.8	23.3	24.8	28.9
53.9	28.2	29.0	31.6	36.1
63.2	33.9	35.0	38.5	43.5
72.5	39.7	41.7	45.8	50.9
81.7	45.6	48.5	53.2	58.2
85.4**	48.1	51.3	56.2	61.1
91.0	51.9	55.5	60.8	65.6
100.3	58.2	62.7	68.3	73.0
109.5	65.7	70.2	75.8	80.3
118.8	72.5	77.8	83.4	87.6
128.1	79.6	85.6	90.9	94.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
44.7*	25.8	27.5	28.8	29.7
53.9	32.2	34.2	35.9	36.9
63.2	38.8	41.3	43.2	44.2
72.5	45.7	48.5	50.6	51.7
81.7	52.8	55.9	58.2	59.4
85.4**	55.6	58.9	61.3	62.5
91.0	60.0	63.5	66.0	67.2
100.3	67.5	71.2	73.9	75.1
109.5	75.0	79.1	81.9	83.2
118.8	82.8	87.2	90.1	91.3
128.1	90.7	95.3	98.3	99.5

* Minimum operating weight

** Maximum takeoff weight

PC-7
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2*	1.4	1.6	1.6	1.7
2.3	1.7	1.8	1.9	2
2.6	1.9	2.1	2.2	2.2
3	2.1	2.4	2.4	2.5
3.3	2.3	2.6	2.7	2.8
3.3**	2.3	2.6	2.7	2.8
3.6	2.6	2.9	3	3.1
3.9	2.8	3.1	3.2	3.3
4.3	3.1	3.4	3.5	3.6
4.6	3.3	3.6	3.7	3.9
4.9	3.5	3.9	4	4.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2*	1.5	1.5	1.5	1.5
2.3	1.7	1.8	1.8	1.8
2.6	2	2	2	2
3	2.2	2.3	2.3	2.3
3.3	2.4	2.5	2.5	2.5
3.3**	2.4	2.5	2.5	2.5
3.6	2.7	2.7	2.8	2.8
3.9	2.9	3	3	3.1
4.3	3.2	3.2	3.3	3.3
4.6	3.4	3.5	3.5	3.6
4.9	3.6	3.7	3.8	3.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-37B which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Phantom FG MK1
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.5*	13.7	13.3	13.0	12.7
17.3	16.4	15.9	15.5	15.2
20.1	19.0	18.5	18.0	17.6
22.9	21.6	21.0	20.5	20.1
25.7	24.3	23.6	23.0	22.5
26.5**	25.0	24.3	23.6	23.2
28.5	26.9	26.2	25.5	25.0
31.3	29.6	28.7	28.0	27.4
34.1	32.2	31.3	30.5	29.9
36.9	34.9	33.9	33.0	32.3
39.7	37.5	36.5	35.5	34.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.5*	14.5	14.4	14.2	14.0
17.3	17.3	17.3	17.0	16.7
20.1	20.2	20.1	19.8	19.4
22.9	23.1	23.0	22.7	22.2
25.7	25.9	25.8	25.5	24.9
26.5**	26.7	26.6	26.2	25.7
28.5	28.8	28.7	28.3	27.7
31.3	31.7	31.5	31.1	30.4
34.1	34.6	34.4	33.9	33.1
36.9	37.4	37.3	36.7	35.9
39.7	40.3	40.1	39.5	38.6

* Minimum operating weight

** Maximum takeoff weight

Puma HC Mk1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
6.1*	2.4	2.5	2.8	3.1
7.2	2.9	3	3.4	3.9
8.4	3.5	3.6	4.1	4.6
9.6	4.2	4.3	4.8	5.3
10.7	4.7	5	5.6	6
11**	4.9	5.2	5.8	6.2
11.9	5.3	5.7	6.3	6.7
13	6	6.4	7.1	7.5
14.2	6.8	7.1	7.8	8.2
15.4	7.5	7.9	8.5	8.9
16.5	8.2	8.6	9.3	9.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
6.1*	2.8	2.9	3.1	3.2
7.2	3.4	3.6	3.8	3.9
8.4	4.1	4.3	4.5	4.6
9.6	4.8	5	5.2	5.4
10.7	5.5	5.8	6	6.1
11**	5.7	6	6.2	6.3
11.9	6.2	6.5	6.8	6.9
13	6.9	7.3	7.5	7.7
14.2	7.7	8.1	8.3	8.5
15.4	8.5	8.8	9.1	9.3
16.5	9.2	9.6	9.9	10.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from UH-46 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

RC-26B Metroliner
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.3*	1.7	1.9	2.1	2.4
5.1	2.0	2.3	2.5	3.0
5.9	2.4	2.7	3.0	3.5
6.6	2.8	3.2	3.5	4.1
7.4	3.2	3.6	4.0	4.7
7.5**	3.2	3.7	4.1	4.7
8.2	3.6	4.1	4.6	5.2
8.9	4.0	4.5	5.1	5.8
9.7	4.4	5.0	5.7	6.4
10.5	4.8	5.5	6.2	6.9
11.2	5.3	6.0	6.8	7.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.3*	2.0	2.2	2.3	2.4
5.1	2.4	2.6	2.8	2.9
5.9	2.8	3.1	3.3	3.4
6.6	3.3	3.6	3.8	4.0
7.4	3.8	4.1	4.3	4.5
7.5**	3.8	4.1	4.4	4.6
8.2	4.3	4.6	4.9	5.0
8.9	4.7	5.1	5.4	5.6
9.7	5.3	5.6	6.0	6.2
10.5	5.8	6.2	6.5	6.7
11.2	6.3	6.7	7.1	7.3

* Minimum operating weight

** Maximum takeoff weight

RC-135M
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
59.0*	12.6	12.8	14.3	17.4
75.3	16.6	17.1	19.5	24.9
91.5	20.8	21.9	25.2	33.0
107.7	25.3	26.8	31.4	41.6
124.0	30.0	32.4	38.8	50.7
136.8**	33.7	37.0	44.7	58.0
140.2	34.8	38.3	46.3	60.1
156.5	40.8	44.6	54.4	69.8
172.7	46.1	51.1	62.7	79.7
189.0	52.0	58.2	71.4	89.7
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
59.0*	11.6	12.7	14.5	16.8
75.3	15.0	17.0	20.0	23.2
91.5	18.8	21.8	26.0	30.3
107.7	22.9	27.1	32.6	37.8
124.0	27.2	32.8	39.6	45.8
136.8**	30.9	37.7	45.5	52.4
140.2	32.0	39.0	47.1	54.2
156.5	37.1	45.6	54.9	62.8
172.7	42.5	52.6	63.2	71.9
189.0	48.3	60.0	71.8	81.3
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

RC-135S Cobra Ball

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
64.2*	13.9	14.1	15.8	19.8
79.9	17.8	18.3	21.0	27.2
95.6	21.9	23.1	26.7	35.0
111.2	26.3	28.0	32.9	43.5
126.9	30.8	33.4	40.1	52.3
136.8**	33.7	37.0	44.7	58.0
142.6	35.5	39.1	47.4	61.5
158.2	41.4	45.3	55.2	70.9
173.9	46.5	51.6	63.3	80.4
189.5	52.2	58.5	71.7	90.1
205.2	58.0	66.6	80.2	99.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
64.2*	12.7	14.0	16.2	18.8
79.9	16.1	18.3	21.6	25.2
95.6	19.8	23.1	27.6	32.1
111.2	23.8	28.3	34.0	39.5
126.9	28.0	33.9	40.9	47.3
136.8**	30.9	37.7	45.5	52.4
142.6	32.7	39.9	48.2	55.4
158.2	37.6	46.3	55.8	63.8
173.9	42.9	53.1	63.9	72.6
189.5	48.5	60.2	72.1	81.6
205.2	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RC-135U Combat Sent
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
68.3*	14.7	15.2	17.2	21.7
83.5	18.7	19.4	22.2	29.0
98.7	22.8	24.1	27.9	36.7
113.9	27.1	28.9	34.4	45.1
129.2	31.5	34.3	41.1	53.6
136.8**	33.7	37.0	44.7	58.0
144.4	36.6	39.8	48.3	62.6
159.6	41.9	45.9	55.9	71.7
174.8	46.8	52.0	63.8	81.0
190.0	52.4	58.7	71.9	90.4
205.2	58.0	66.6	80.2	99.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
68.3*	13.5	15.1	17.6	20.4
83.5	16.9	19.4	23.0	26.8
98.7	20.6	24.1	28.9	33.6
113.9	24.6	29.2	35.3	40.8
129.2	28.7	34.8	41.9	48.4
136.8**	30.9	37.7	45.5	52.4
144.4	33.2	40.6	49.1	56.4
159.6	38.1	46.9	56.5	64.6
174.8	43.2	53.5	64.4	73.1
190.0	48.7	60.4	72.3	81.9
205.2	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RC-135V Rivet Joint

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
78.5*	17.4	18.0	20.5	26.5
92.6	21.1	22.2	25.6	33.5
106.6	25.0	26.4	31.0	41.0
120.7	29.1	31.2	37.3	48.8
134.8	33.1	36.3	43.7	56.8
136.8**	33.7	37.0	44.7	58.0
148.9	38.1	41.6	50.6	65.3
163.0	43.0	47.2	57.6	73.7
177.0	47.6	53.0	65.0	82.4
191.1	52.8	59.2	72.5	91.1
205.2	58.0	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
78.5*	15.8	17.9	21.1	24.6
92.6	19.0	22.1	26.4	30.7
106.6	22.6	26.7	32.1	37.3
120.7	26.4	31.6	38.2	44.1
134.8	30.3	36.9	44.5	51.4
136.8**	30.9	37.7	45.5	52.4
148.9	34.7	42.4	51.2	58.7
163.0	39.2	48.3	58.2	66.4
177.0	44.0	54.5	65.6	74.4
191.1	49.1	61.0	72.9	82.6
205.2	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RC-135W Rivet Joint
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
78.5*	17.4	18.0	20.5	26.5
92.6	21.1	22.2	25.6	33.5
106.6	25.0	26.4	31.0	41.0
120.7	29.1	31.2	37.4	48.8
134.8	33.1	36.3	43.7	56.8
136.8**	33.7	37.0	44.7	58.0
148.9	38.1	41.6	50.6	65.3
163.0	43.0	47.2	57.6	73.7
177.0	47.6	53.0	65.0	82.4
191.1	52.8	59.2	72.5	91.1
205.2	58.0	66.6	80.2	99.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
78.5*	15.8	17.9	21.1	24.6
92.6	19.0	22.1	26.4	30.7
106.6	22.6	26.7	32.1	37.3
120.7	26.4	31.6	38.2	44.1
134.8	30.3	36.9	44.5	51.4
136.8**	30.9	37.7	45.5	52.4
148.9	34.7	42.4	51.2	58.7
163.0	39.2	48.3	58.2	66.4
177.0	44.0	54.5	65.6	74.4
191.1	49.1	61.0	72.9	82.6
205.2	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RQ-4A Global Hawk BLK 10

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.4*	2.5	2.6	2.8	3.1
6.8	3.3	3.4	3.7	4.2
8.2	4.1	4.3	4.6	5.2
9.7	5.0	5.2	5.6	6.2
11.1	5.8	6.1	6.7	7.3
12.1**	6.5	6.8	7.4	8.0
12.5	6.7	7.1	7.7	8.3
13.9	7.7	8.1	8.8	9.4
15.4	8.6	9.1	9.8	10.4
16.8	9.6	10.3	10.9	11.5
18.2	10.6	11.3	12.0	12.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.4*	3.0	3.1	3.3	3.4
6.8	3.9	4.1	4.3	4.4
8.2	4.9	5.1	5.3	5.5
9.7	5.9	6.2	6.4	6.5
11.1	6.9	7.3	7.5	7.7
12.1**	7.7	8.1	8.3	8.5
12.5	8.0	8.4	8.6	8.8
13.9	9.1	9.5	9.8	9.9
15.4	10.2	10.7	11.0	11.1
16.8	11.4	11.8	12.1	12.3
18.2	12.5	13.0	13.3	13.5

* Minimum operating weight

** Maximum takeoff weight

RQ-4B Global Hawk BLK 20

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.0*	6.8	6.6	6.4	6.3
8.6	8.4	8.1	7.9	7.8
10.3	10.0	9.7	9.4	9.3
12.0	11.6	11.3	11.0	10.8
13.6	13.2	12.9	12.5	12.3
14.6**	14.1	13.8	13.4	13.2
15.3	14.9	14.4	14.0	13.8
16.9	16.5	16.0	15.6	15.3
18.6	18.1	17.6	17.1	16.8
20.3	19.7	19.1	18.6	18.3
21.9	21.3	20.7	20.2	19.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7.0*	7.0	7.0	6.9	6.8
8.6	8.7	8.7	8.6	8.5
10.3	10.5	10.4	10.3	10.1
12.0	12.2	12.2	12.0	11.8
13.6	14.0	13.9	13.7	13.5
14.6**	15.0	15.0	14.8	14.5
15.3	15.7	15.6	15.5	15.2
16.9	17.4	17.4	17.2	16.8
18.6	19.2	19.1	18.9	18.5
20.3	20.9	20.9	20.6	20.2
21.9	22.7	22.6	22.3	21.8

* Minimum operating weight

** Maximum takeoff weight

RQ-7A/B Shadow 200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
0.2*	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2**	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.2	0.0	0.0	0.1	0.1
0.3	0.0	0.1	0.1	0.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
0.2*	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2**	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.1	0.1
0.3	0.1	0.1	0.1	0.1

* Minimum operating weight

** Maximum takeoff weight

S3-B

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.2*	10.7	10.3	10.3	10.1
14.8	13.0	12.5	12.5	12.3
17.4	15.3	14.8	14.7	14.5
20.0	17.6	17.0	16.9	16.7
22.7	19.9	19.2	19.1	18.8
23.8**	20.9	20.2	20.0	19.8
25.3	22.1	21.4	21.3	21.0
27.9	24.4	23.6	23.5	23.2
30.5	26.7	25.8	25.7	25.4
33.1	29.0	28.0	27.9	27.5
35.7	31.3	30.3	30.1	29.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
12.2*	10.9	10.9	10.9	10.7
14.8	13.3	13.3	13.2	13.0
17.4	15.7	15.7	15.6	15.4
20.0	18.1	18.1	18.0	17.7
22.7	20.5	20.5	20.3	20.0
23.8**	21.6	21.6	21.4	21.0
25.3	22.9	22.9	22.7	22.3
27.9	25.3	25.3	25.1	24.7
30.5	27.7	27.7	27.5	27.0
33.1	30.1	30.1	29.9	29.3
35.7	32.5	32.5	32.2	31.7

* Minimum operating weight

** Maximum takeoff weight

Sabreliner, N265

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.5*	4.2	4.2	4.2	4.2
5.5	5.1	5	5	5.1
6.4	5.9	5.9	5.9	6
7.3	6.7	6.7	6.7	6.8
8.2	7.6	7.5	7.6	7.7
8.5**	7.9	7.8	7.9	7.9
9.1	8.4	8.4	8.4	8.5
10	9.3	9.2	9.3	9.4
10.9	10.1	10.1	10.1	10.2
11.8	11	10.9	10.9	11.1
12.7	11.8	11.7	11.8	11.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.5*	4.1	4.1	4.2	4.2
5.5	4.9	5	5	5
6.4	5.8	5.8	5.9	5.8
7.3	6.6	6.7	6.7	6.7
8.2	7.4	7.5	7.6	7.5
8.5**	7.7	7.8	7.8	7.8
9.1	8.3	8.4	8.4	8.4
10	9.1	9.2	9.2	9.2
10.9	9.9	10.1	10.1	10
11.8	10.8	10.9	10.9	10.9
12.7	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Sea Harrier, FA2/FRS Mk1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
6.7*	3.1	3.7	4	4.8
8.4	4.1	4.8	5.1	6.3
10.1	5.2	5.9	6.5	7.8
11.8	6.2	7.1	7.9	9.4
13.4	7.4	8.2	9.5	11
14.5**	8.1	9.2	10.6	12
15.1	8.5	9.6	11.1	12.6
16.8	9.7	10.9	12.7	14.2
18.4	11	12.4	14.2	15.8
20.1	12.2	13.9	15.8	17.5
21.8	13.7	15.4	17.4	19.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
6.7*	4.5	4.6	4.7	4.7
8.4	5.6	5.8	5.8	5.9
10.1	6.7	6.9	7	7.1
11.8	7.8	8	8.2	8.2
13.4	8.9	9.2	9.3	9.4
14.5**	9.6	9.9	10.1	10.2
15.1	10	10.3	10.5	10.6
16.8	11.1	11.4	11.6	11.8
18.4	12.2	12.5	12.8	13
20.1	13.3	13.7	14	14.2
21.8	14.3	14.8	15.2	15.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from AV-8 Harrier which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Sentry AEW MK1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
82.0*	19.1	20.2	23.1	30.1
98.2	23.7	25.6	29.5	38.7
114.4	28.7	31.4	36.9	48.0
130.6	33.8	37.4	44.7	57.7
146.8	39.6	44.0	53.0	67.7
151.8**	41.5	46.1	55.7	70.8
162.9	45.7	50.8	61.6	77.7
179.1	51.9	58.8	70.7	87.6
195.3	58.5	66.8	79.8	97.7
211.5	65.2	75.3	89.4	107.9
227.7	72.3	83.9	99.3	118.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
82.0*	18.7	21.5	25.3	29.0
98.2	23.3	27.4	32.4	37.0
114.4	28.4	33.8	39.9	45.4
130.6	33.9	40.6	48.0	54.3
146.8	39.8	48.0	56.5	63.5
151.8**	41.7	50.4	59.2	66.4
162.9	46.1	55.7	65.4	73.0
179.1	52.8	63.8	74.5	83.0
195.3	59.8	72.3	84.1	93.2
211.5	67.3	81.2	94.0	103.6
227.7	75.1	90.3	104.1	114.2

* Minimum operating weight

** Maximum takeoff weight

Shorts Sherpa, SHD3

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
7.9*	5.1	5.9	6.4	6.7
8.9	5.7	6.7	7.2	7.6
9.9	6.3	7.4	8	8.4
10.8	7	8.2	8.8	9.2
11.2	7.2	8.4	9.1	9.5
11.8**	7.6	8.9	9.6	10.1
12.8	8.2	9.6	10.4	10.9
13.8	8.9	10.4	11.2	11.8
14.8	9.5	11.1	12	12.6
15.8	10.1	11.8	12.8	13.4
16.7	10.8	12.6	13.6	14.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
7.9*	5.5	5.7	5.9	5.9
8.9	6.2	6.4	6.6	6.7
9.9	6.9	7.1	7.3	7.4
10.8	7.6	7.8	8	8.1
11.2	7.8	8.1	8.3	8.4
11.8**	8.2	8.6	8.8	8.9
12.8	8.9	9.3	9.5	9.6
13.8	9.6	10	10.2	10.3
14.8	10.2	10.7	10.9	11.1
15.8	10.9	11.4	11.7	11.8
16.7	11.6	12.1	12.4	12.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-23 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Space Shuttle Orbiter
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
85.7*	43.3	45.1	48.1	53.6
93.6	47.9	50.1	53.7	59.3
101.5	53.3	55.2	59.4	64.9
104.3	55.2	57.0	61.5	67.0
109.3	58.4	60.4	65.2	70.5
117.2**	63.5	65.8	70.9	76.1
125.0	68.6	71.4	76.7	81.7
132.9	73.8	77.0	82.5	87.3
140.8	79.4	82.7	88.3	92.9
148.6	85.0	88.5	94.0	98.5
156.5	90.6	94.4	99.9	104.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
85.7*	52.5	55.0	56.7	57.6
93.6	58.3	61.0	62.8	63.7
101.5	64.1	67.0	69.0	69.8
104.3	66.2	69.2	71.3	72.1
109.3	70.0	73.2	75.2	76.0
117.2**	76.1	79.4	81.5	82.3
125.0	82.2	85.7	87.9	88.6
132.9	88.4	92.0	94.3	95.0
140.8	94.6	98.4	100.8	101.5
148.6	100.9	105.0	107.4	108.2
156.5	107.4	111.6	114.0	114.6

* Minimum operating weight

** Maximum takeoff weight

T-1A Jayhawk
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.0*	3.9	4.2	4.2	4.4
5.7	4.4	4.7	4.8	4.9
6.3	4.9	5.3	5.3	5.5
7.0	5.4	5.8	5.9	6.1
7.3	5.7	6.1	6.2	6.4
7.6**	5.9	6.4	6.5	6.7
8.3	6.5	6.9	7.0	7.3
9.0	7.0	7.5	7.6	7.8
9.6	7.5	8.1	8.2	8.4
10.3	8.0	8.6	8.7	9.0
11.0	8.5	9.2	9.3	9.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.0*	3.9	4.0	4.0	4.1
5.7	4.4	4.5	4.6	4.6
6.3	5.0	5.1	5.1	5.1
7.0	5.5	5.6	5.7	5.7
7.3	5.7	5.9	5.9	5.9
7.6**	6.0	6.1	6.2	6.2
8.3	6.5	6.7	6.7	6.8
9.0	7.0	7.2	7.3	7.3
9.6	7.6	7.7	7.8	7.8
10.3	8.1	8.3	8.4	8.4
11.0	8.6	8.8	8.9	8.9

* Minimum operating weight

** Maximum takeoff weight

T-2C
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.6*	3.4	3.3	3.4	3.4
4.3	4.0	4.0	4.0	4.1
5.1	4.7	4.7	4.7	4.7
5.8	5.3	5.3	5.3	5.4
6.5	6.0	6.0	6.0	6.1
6.7**	6.2	6.2	6.2	6.3
7.2	6.7	6.6	6.7	6.7
7.9	7.3	7.3	7.3	7.4
8.6	8.0	7.9	8.0	8.1
9.3	8.6	8.6	8.6	8.7
10.0	9.3	9.3	9.3	9.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.6*	3.3	3.3	3.3	3.3
4.3	3.9	4.0	4.0	4.0
5.1	4.6	4.6	4.6	4.6
5.8	5.2	5.3	5.3	5.3
6.5	5.9	5.9	6.0	5.9
6.7**	6.1	6.1	6.2	6.1
7.2	6.5	6.6	6.6	6.6
7.9	7.2	7.3	7.3	7.3
8.6	7.8	7.9	8.0	7.9
9.3	8.5	8.6	8.6	8.6
10.0	9.1	9.2	9.3	9.2

* Minimum operating weight

** Maximum takeoff weight

T-6A Texan II
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.3*	2.1	2.0	2.0	2.0
2.5	2.3	2.2	2.2	2.2
2.7	2.5	2.4	2.4	2.4
3.0	2.7	2.6	2.6	2.6
3.0	2.7	2.6	2.6	2.6
3.2**	2.9	2.8	2.8	2.8
3.5	3.2	3.0	3.0	3.0
3.7	3.4	3.3	3.2	3.2
3.9	3.6	3.5	3.5	3.4
4.2	3.8	3.7	3.7	3.6
4.4	4.0	3.9	3.9	3.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.3*	2.0	2.0	2.0	2.0
2.5	2.2	2.2	2.2	2.2
2.7	2.4	2.5	2.4	2.4
3.0	2.6	2.7	2.6	2.6
3.0	2.7	2.7	2.7	2.6
3.2**	2.9	2.9	2.9	2.9
3.5	3.1	3.1	3.1	3.1
3.7	3.3	3.3	3.3	3.3
3.9	3.5	3.6	3.6	3.5
4.2	3.8	3.8	3.8	3.7
4.4	4.0	4.0	4.0	4.0

* Minimum operating weight

** Maximum takeoff weight

T-34C
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.0*	0.5	0.6	0.8	0.8
1.2	0.6	0.7	0.9	1.0
1.4	0.7	0.9	1.1	1.2
1.6	0.8	1.0	1.3	1.4
1.9	0.9	1.1	1.4	1.6
2.0**	0.9	1.2	1.5	1.7
2.1	1.0	1.3	1.6	1.8
2.3	1.1	1.4	1.7	1.9
2.5	1.2	1.5	1.9	2.1
2.7	1.3	1.7	2.1	2.3
2.9	1.4	1.8	2.2	2.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
1.0*	0.6	0.7	0.7	0.7
1.2	0.8	0.8	0.8	0.9
1.4	0.9	1.0	1.0	1.0
1.6	1.0	1.1	1.1	1.2
1.9	1.2	1.2	1.3	1.3
2.0**	1.2	1.3	1.4	1.4
2.1	1.3	1.4	1.4	1.5
2.3	1.4	1.5	1.6	1.6
2.5	1.6	1.7	1.7	1.8
2.7	1.7	1.8	1.9	1.9
2.9	1.8	1.9	2.0	2.1

* Minimum operating weight

** Maximum takeoff weight

T-37B Tweet
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.0*	1.4	1.6	1.6	1.7
2.3	1.7	1.8	1.9	2.0
2.6	1.9	2.1	2.2	2.2
3.0	2.1	2.4	2.4	2.5
3.3	2.3	2.6	2.7	2.8
3.3**	2.3	2.6	2.7	2.8
3.6	2.6	2.9	3.0	3.1
3.9	2.8	3.1	3.2	3.3
4.3	3.1	3.4	3.5	3.6
4.6	3.3	3.6	3.7	3.9
4.9	3.5	3.9	4.0	4.2

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.0*	1.5	1.5	1.5	1.5
2.3	1.7	1.8	1.8	1.8
2.6	2.0	2.0	2.0	2.0
3.0	2.2	2.3	2.3	2.3
3.3	2.4	2.5	2.5	2.6
3.3**	2.4	2.5	2.5	2.6
3.6	2.7	2.7	2.8	2.8
3.9	2.9	3.0	3.0	3.1
4.3	3.2	3.2	3.3	3.3
4.6	3.4	3.5	3.5	3.6
4.9	3.6	3.7	3.8	3.8

* Minimum operating weight

** Maximum takeoff weight

T-38 A/C Talon
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
3.8*	3.6	3.4	3.4	3.3
4.4	4.1	4.0	3.9	3.9
5.0	4.7	4.5	4.5	4.4
5.6	5.3	5.1	5.0	4.9
6.1	5.8	5.6	5.5	5.4
6.2**	5.8	5.6	5.5	5.5
6.8	6.4	6.2	6.1	6.0
7.4	7.0	6.7	6.6	6.5
8.0	7.5	7.3	7.2	7.1
8.6	8.1	7.8	7.7	7.6
9.2	8.7	8.4	8.2	8.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
3.8*	3.6	3.6	3.6	3.5
4.4	4.2	4.2	4.2	4.1
5.0	4.8	4.8	4.7	4.7
5.6	5.4	5.4	5.3	5.3
6.1	5.9	5.9	5.9	5.8
6.2**	6.0	6.0	5.9	5.8
6.8	6.6	6.6	6.5	6.4
7.4	7.1	7.1	7.1	7.0
8.0	7.7	7.7	7.7	7.6
8.6	8.3	8.3	8.3	8.1
9.2	8.9	8.9	8.9	8.7

* Minimum operating weight

** Maximum takeoff weight

T-39A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
4.5*	4.2	4.2	4.2	4.2
5.5	5.1	5.0	5.0	5.1
6.4	5.9	5.9	5.9	6.0
7.3	6.7	6.7	6.7	6.8
8.2	7.6	7.5	7.6	7.7
8.5**	7.9	7.8	7.9	7.9
9.1	8.4	8.4	8.4	8.5
10.0	9.3	9.2	9.3	9.4
10.9	10.1	10.1	10.1	10.2
11.8	11.0	10.9	10.9	11.1
12.7	11.8	11.7	11.8	11.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
4.5*	4.1	4.1	4.2	4.2
5.5	4.9	5.0	5.0	5.0
6.4	5.8	5.8	5.9	5.8
7.3	6.6	6.7	6.7	6.7
8.2	7.4	7.5	7.6	7.5
8.5**	7.7	7.8	7.8	7.8
9.1	8.3	8.4	8.4	8.4
10.0	9.1	9.2	9.2	9.2
10.9	9.9	10.1	10.1	10.0
11.8	10.8	10.9	10.9	10.9
12.7	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

T-43A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.4*	12.7	12.8	13.8	15.8
33.1	15.7	15.8	17.4	20.0
38.7	18.8	19.0	21.0	24.2
44.4	21.8	22.2	24.8	28.6
50.0	25.0	25.5	28.9	32.9
52.2**	26.2	26.8	30.4	34.5
55.7	28.3	29.1	32.9	37.2
61.3	31.8	32.7	37.1	41.5
67.0	35.2	36.8	41.4	45.8
72.6	38.7	40.6	45.8	50.1
78.2	42.2	44.5	50.2	54.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
27.4*	13.4	14.5	15.4	16.1
33.1	16.7	18.0	19.1	19.9
38.7	20.1	21.7	23.0	23.9
44.4	23.6	25.5	27.0	27.9
50.0	27.2	29.3	31.0	32.1
52.2**	28.6	30.8	32.6	33.7
55.7	31.0	33.3	35.2	36.3
61.3	34.8	37.4	39.4	40.6
67.0	38.7	41.5	43.6	44.9
72.6	42.7	45.7	48.0	49.3
78.2	46.7	50.0	52.4	53.8

* Minimum operating weight

** Maximum takeoff weight

T-44A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.9*	1.3	1.7	2.2	2.4
3.3	1.5	1.9	2.5	2.8
3.7	1.7	2.2	2.8	3.1
4.1	1.9	2.4	3.1	3.4
4.4	2.0	2.6	3.3	3.7
4.5**	2.0	2.7	3.4	3.8
4.9	2.2	2.9	3.7	4.1
5.3	2.4	3.2	4.0	4.5
5.7	2.6	3.4	4.3	4.8
6.1	2.8	3.6	4.6	5.2
6.5	3.0	3.9	4.9	5.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.9*	1.8	1.9	1.9	2.0
3.3	2.0	2.1	2.2	2.3
3.7	2.3	2.4	2.5	2.6
4.1	2.5	2.6	2.8	2.8
4.4	2.7	2.8	2.9	3.0
4.5**	2.7	2.9	3.0	3.1
4.9	3.0	3.2	3.3	3.4
5.3	3.2	3.4	3.6	3.7
5.7	3.5	3.7	3.9	4.0
6.1	3.7	3.9	4.1	4.2
6.5	3.9	4.2	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

T-45A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.3*	3.5	3.8	3.8	3.9
4.9	4.0	4.3	4.4	4.5
5.5	4.5	4.9	4.9	5.1
6.1	5.0	5.4	5.5	5.7
6.6	5.4	5.8	5.9	6.1
6.8**	5.5	6.0	6.0	6.2
7.4	6.0	6.5	6.6	6.8
8.0	6.6	7.1	7.1	7.4
8.6	7.1	7.6	7.7	7.9
9.2	7.6	8.2	8.3	8.5
9.9	8.1	8.6	8.8	9.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
4.3*	3.5	3.6	3.6	3.7
4.9	4.0	4.1	4.2	4.2
5.5	4.6	4.7	4.7	4.7
6.1	5.1	5.2	5.3	5.3
6.6	5.4	5.6	5.6	5.7
6.8**	5.6	5.7	5.8	5.8
7.4	6.1	6.2	6.3	6.3
8.0	6.6	6.8	6.9	6.9
8.6	7.1	7.3	7.4	7.4
9.2	7.7	7.8	7.9	7.9
9.9	8.2	8.4	8.5	8.5

* Minimum operating weight

** Maximum takeoff weight

Tornado GR MK1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.7*	14.3	13.9	13.5	13.2
17.0	17.7	17.2	16.7	16.4
20.2	21.1	20.4	19.8	19.5
23.4	24.5	23.7	23.0	22.6
26.7	27.9	27.0	26.2	25.7
28.6**	29.8	28.9	28.0	27.5
29.9	31.2	30.2	29.4	28.8
33.1	34.6	33.5	32.5	31.9
36.4	38.0	36.8	35.7	35.1
39.6	41.4	40.0	38.9	38.2
42.8	44.7	43.3	42.1	41.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
13.7*	15.2	15.2	15.0	14.7
17.0	18.9	18.8	18.6	18.2
20.2	22.6	22.5	22.1	21.7
23.4	26.3	26.1	25.7	25.2
26.7	30.0	29.8	29.3	28.7
28.6**	32.1	31.9	31.5	30.7
29.9	33.7	33.5	33.0	32.2
33.1	37.4	37.1	36.6	35.7
36.4	41.1	40.8	40.2	39.2
39.6	44.8	44.5	43.8	42.8
42.8	48.5	48.2	47.4	46.3

* Minimum operating weight

** Maximum takeoff weight

Tornado GR MK2-F MK3

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.2*	14.7	14.3	13.9	13.7
17.1	17.7	17.1	16.7	16.4
19.9	20.6	20.0	19.5	19.2
22.8	23.6	22.9	22.3	21.9
25.6	26.5	25.7	25.1	24.7
26.6**	27.5	26.7	26.0	25.6
28.5	29.5	28.6	27.9	27.4
31.3	32.5	31.5	30.7	30.2
34.2	35.4	34.3	33.5	32.9
37.0	38.4	37.2	36.3	35.7
39.9	41.3	40.0	39.1	38.4

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
14.2*	15.5	15.4	15.2	15.0
17.1	18.6	18.6	18.3	18.0
19.9	21.8	21.7	21.5	21.0
22.8	25.0	24.9	24.6	24.1
25.6	28.2	28.0	27.7	27.1
26.6**	29.2	29.1	28.7	28.1
28.5	31.3	31.2	30.8	30.1
31.3	34.5	34.4	33.9	33.2
34.2	37.7	37.6	37.0	36.2
37.0	40.9	40.7	40.2	39.3
39.9	44.1	43.9	43.3	42.3

* Minimum operating weight

** Maximum takeoff weight

Tristar K MK1-KC MK1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
109.5*	23.3	24.1	26.8	32.9
138.2	30.5	32.3	36.0	46.1
167.0	38.1	40.9	45.9	61.0
195.8	45.9	50.0	56.9	77.1
224.6	55.3	59.7	69.9	94.2
245.6**	61.9	67.1	79.8	106.6
253.3	64.2	70.0	83.6	111.2
282.1	74.0	80.9	98.3	128.6
310.9	84.0	92.2	113.9	145.9
339.7	94.4	106.2	130.1	163.1
368.4	105.2	119.8	146.9	180.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
109.5*	22.8	24.6	27.8	31.7
138.2	29.3	32.6	37.6	43.2
167.0	36.2	41.3	48.4	55.7
195.8	43.7	50.7	60.0	69.0
224.6	51.7	61.0	72.5	83.1
245.6**	58.0	68.9	82.1	93.9
253.3	60.4	71.9	85.7	97.9
282.1	69.4	83.6	99.6	113.2
310.9	79.0	96.0	114.1	129.1
339.7	89.3	108.8	129.2	145.5
368.4	100.2	122.4	144.9	162.4

* Minimum operating weight

** Maximum takeoff weight

Tristart L1011-1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
108.9*	22.8	23.5	26.3	32.4
129.4	27.9	28.8	32.8	41.6
150	33	34.9	39.5	51.7
170.6	38.3	41	46.8	62.6
191.1	44	47.7	54.6	74.1
196**	45.4	49.3	57.2	76.9
211.7	50.4	54.4	63.8	86
232.2	55.9	61.5	72.9	98.2
252.8	63.1	69.1	82.7	110.4
273.4	69.8	76.8	93.2	122.5
293.9	76.5	84.6	104.1	135

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
108.9*	21.5	23.3	26.5	30.4
129.4	25.8	28.6	33.1	38.3
150	30.3	34.4	40.2	46.7
170.6	35.1	40.4	47.9	55.6
191.1	40.1	46.8	55.9	64.9
196**	41.3	48.4	57.9	67.1
211.7	45.3	53.7	64.4	74.6
232.2	50.9	60.9	73.3	84.6
252.8	56.8	68.5	82.5	95
273.4	62.9	76.4	92.2	105.7
293.9	69.1	84.8	102.1	116.7

* Minimum operating weight

** Maximum takeoff weight

Tristar L1011-100/200

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
111*	23.3	24	26.9	33.3
134	29	30.1	34.3	43.9
157.1	34.8	37	42	55.4
180.1	41	44.1	50.5	67.9
203.2	47.4	51.6	60.2	81.1
212.3**	50.6	54.6	64.1	86.4
226.2	54.1	59.4	70.2	94.7
249.3	61.9	67.7	81	108.3
272.3	69.4	76.4	92.6	121.9
295.4	77	85.1	104.8	135.9
318.4	84.8	96	117.3	149.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
111*	21.9	23.9	27.1	31.2
134	26.8	29.9	34.6	40.1
157.1	32	36.4	42.8	49.7
180.1	37.4	43.3	51.6	59.8
203.2	43.1	50.8	60.9	70.5
212.3**	45.5	53.9	64.7	74.9
226.2	49.2	58.7	70.7	81.7
249.3	55.7	67.2	80.9	93.2
272.3	62.6	76	91.7	105.2
295.4	69.6	85.4	102.8	117.5
318.4	77.1	95	114.3	130.1

* Minimum operating weight

** Maximum takeoff weight

Typhoon (Eurofighter)
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
16.6*	17.4	16.8	16.3	16.0
18.7	19.6	18.9	18.3	18.0
20.7	21.8	21.0	20.4	19.9
22.8	24.0	23.1	22.4	21.9
23.5	24.7	23.8	23.1	22.6
24.9**	26.1	25.3	24.4	23.9
27.0	28.3	27.4	26.5	25.9
29.0	30.5	29.5	28.5	27.9
31.1	32.7	31.6	30.5	29.9
33.2	34.8	33.7	32.6	31.9
35.3	37.0	35.8	34.6	33.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
16.6*	18.8	18.7	18.4	18.0
18.7	21.2	21.1	20.7	20.3
20.7	23.6	23.4	23.1	22.5
22.8	26.0	25.8	25.4	24.8
23.5	26.8	26.6	26.2	25.5
24.9**	28.4	28.2	27.8	27.1
27.0	30.9	30.6	30.1	29.4
29.0	33.3	33.0	32.5	31.7
31.1	35.7	35.4	34.8	33.9
33.2	38.1	37.8	37.2	36.2
35.3	40.5	40.2	39.5	38.5

* Minimum operating weight

** Maximum takeoff weight

U-2S
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.1*	10.5	11.1	12.0	12.7
11.1	13.5	14.2	15.2	15.8
13.1	16.6	17.6	18.4	18.9
15.1	19.8	20.9	21.4	22.1
17.1	23.3	24.3	24.6	25.2
18.1**	25.1	26.1	26.3	26.8
19.2	26.8	27.8	27.9	28.4
21.2	30.4	31.2	31.1	31.5
23.2	33.9	34.2	34.3	34.7
25.2	37.4	37.6	37.6	37.8
27.2	41.0	41.0	40.8	40.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
9.1*	12.9	13.4	13.8	13.9
11.1	16.4	17.0	17.3	17.5
13.1	20.0	20.7	21.0	21.1
15.1	23.7	24.4	24.8	24.9
17.1	27.6	28.3	28.7	28.7
18.1**	29.5	30.3	30.6	30.6
19.2	31.5	32.2	32.6	32.5
21.2	35.5	36.3	36.6	36.5
23.2	39.5	40.4	40.7	40.5
25.2	43.7	44.5	44.8	44.5
27.2	47.9	48.8	49.0	48.6

* Minimum operating weight

** Maximum takeoff weight

U-27A (C-208) Cessna Caravan
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.1*	1.3	1.5	1.7	1.7
2.5	1.5	1.8	2.0	2.1
2.9	1.8	2.1	2.4	2.5
3.4	2.1	2.4	2.7	2.8
3.8	2.3	2.7	3.1	3.2
4.0**	2.4	2.9	3.2	3.4
4.2	2.6	3.1	3.4	3.6
4.7	2.8	3.4	3.8	3.9
5.1	3.1	3.7	4.1	4.3
5.5	3.4	4.0	4.5	4.7
6.0	3.6	4.3	4.8	5.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.1*	1.4	1.5	1.5	1.5
2.5	1.7	1.8	1.8	1.8
2.9	2.0	2.1	2.1	2.2
3.4	2.3	2.4	2.5	2.5
3.8	2.6	2.7	2.8	2.8
4.0**	2.7	2.8	2.9	2.9
4.2	2.9	3.0	3.1	3.1
4.7	3.2	3.3	3.4	3.4
5.1	3.5	3.6	3.7	3.8
5.5	3.8	3.9	4.0	4.1
6.0	4.1	4.2	4.3	4.4

* Minimum operating weight

** Maximum takeoff weight

U-28A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.7*	1.4	1.8	2.1	2.2
3.2	1.7	2.1	2.5	2.6
3.7	1.9	2.4	2.9	3.0
4.1	2.2	2.7	3.2	3.5
4.6	2.4	3.1	3.6	3.9
4.7**	2.5	3.1	3.7	4.0
5.1	2.7	3.4	4.0	4.3
5.6	2.9	3.7	4.4	4.7
6.1	3.2	4.0	4.8	5.1
6.6	3.5	4.4	5.2	5.5
7.1	3.7	4.7	5.6	5.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.7*	1.7	1.8	1.9	1.9
3.2	2.0	2.1	2.2	2.2
3.7	2.4	2.5	2.5	2.6
4.1	2.7	2.8	2.9	2.9
4.6	3.0	3.1	3.2	3.3
4.7**	3.0	3.2	3.3	3.4
5.1	3.3	3.5	3.6	3.7
5.6	3.6	3.8	3.9	4.0
6.1	3.9	4.1	4.3	4.3
6.6	4.2	4.4	4.6	4.7
7.1	4.5	4.8	4.9	5.0

* Minimum operating weight

** Maximum takeoff weight

**UAV Warrior ERMP
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.5*	0.5	0.7	0.9	1.0
1.6	0.5	0.7	0.9	1.1
1.6	0.5	0.7	1.0	1.1
1.7	0.6	0.8	1.0	1.2
1.8	0.6	0.8	1.1	1.2
1.9**	0.6	0.9	1.1	1.3
2.0	0.7	0.9	1.2	1.4
2.1	0.7	1.0	1.3	1.5
2.2	0.7	1.0	1.3	1.6
2.3	0.8	1.1	1.4	1.6
2.5	0.8	1.1	1.5	1.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
1.5*	0.7	0.8	0.8	0.8
1.6	0.8	0.8	0.9	0.9
1.6	0.8	0.9	0.9	0.9
1.7	0.8	0.9	0.9	1.0
1.8	0.9	0.9	1.0	1.0
1.9**	0.9	1.0	1.0	1.1
2.0	1.0	1.1	1.1	1.1
2.1	1.0	1.1	1.2	1.2
2.2	1.1	1.2	1.2	1.3
2.3	1.2	1.2	1.3	1.3
2.5	1.2	1.3	1.3	1.4

* Minimum operating weight

** Maximum takeoff weight

UH-1
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.2*	0.9	1.0	1.0	1.1
2.9	1.2	1.3	1.3	1.4
3.5	1.4	1.6	1.6	1.7
4.1	1.7	1.9	1.9	2.0
4.7	2.0	2.2	2.2	2.3
5.2**	2.2	2.4	2.4	2.5
5.3	2.2	2.4	2.5	2.6
6.0	2.5	2.7	2.8	2.9
6.6	2.7	3.0	3.1	3.2
7.2	3.0	3.3	3.4	3.5
7.8	3.3	3.6	3.7	3.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.2*	0.9	1.0	1.0	1.0
2.9	1.2	1.2	1.3	1.3
3.5	1.5	1.5	1.5	1.5
4.1	1.7	1.8	1.8	1.8
4.7	2.0	2.1	2.1	2.1
5.2**	2.2	2.3	2.3	2.3
5.3	2.3	2.3	2.4	2.4
6.0	2.5	2.6	2.6	2.7
6.6	2.8	2.9	2.9	2.9
7.2	3.1	3.1	3.2	3.2
7.8	3.3	3.4	3.5	3.5

* Minimum operating weight

** Maximum takeoff weight

**UH-1H/V Huey
ACN, Metric Units**

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.4*	1.0	1.1	1.1	1.1
2.8	1.2	1.3	1.3	1.4
3.3	1.4	1.5	1.5	1.6
3.7	1.6	1.7	1.7	1.8
4.2	1.7	1.9	2.0	2.0
4.3**	1.8	2.0	2.0	2.1
4.6	1.9	2.1	2.2	2.2
5.1	2.1	2.3	2.4	2.5
5.6	2.3	2.5	2.6	2.7
6.0	2.5	2.7	2.8	2.9
6.5	2.7	3.0	3.0	3.1

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.4*	1.0	1.0	1.0	1.0
2.8	1.2	1.2	1.2	1.2
3.3	1.4	1.4	1.4	1.5
3.7	1.6	1.6	1.6	1.7
4.2	1.8	1.8	1.8	1.9
4.3**	1.8	1.9	1.9	1.9
4.6	2.0	2.0	2.1	2.1
5.1	2.2	2.2	2.3	2.3
5.6	2.4	2.4	2.5	2.5
6.0	2.6	2.6	2.7	2.7
6.5	2.8	2.8	2.9	2.9

* Minimum operating weight

** Maximum takeoff weight

UH-1N Twin Huey
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.7*	1.1	1.2	1.3	1.3
3.2	1.3	1.5	1.5	1.6
3.7	1.5	1.7	1.7	1.8
4.2	1.7	1.9	2.0	2.0
4.7	2.0	2.1	2.2	2.3
4.8**	2.0	2.2	2.2	2.3
5.2	2.2	2.4	2.4	2.5
5.7	2.4	2.6	2.6	2.7
6.2	2.6	2.8	2.9	3.0
6.7	2.8	3.0	3.1	3.2
7.1	3.0	3.3	3.3	3.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
2.7*	1.2	1.2	1.2	1.2
3.2	1.4	1.4	1.4	1.4
3.7	1.6	1.6	1.6	1.6
4.2	1.8	1.8	1.9	1.9
4.7	2.0	2.0	2.1	2.1
4.8**	2.0	2.1	2.1	2.1
5.2	2.2	2.3	2.3	2.3
5.7	2.4	2.5	2.5	2.5
6.2	2.6	2.7	2.7	2.7
6.7	2.8	2.9	2.9	3.0
7.1	3.0	3.1	3.2	3.2

* Minimum operating weight

** Maximum takeoff weight

UH-46
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
6.1*	2.4	2.5	2.8	3.1
7.2	2.9	3.0	3.4	3.9
8.4	3.5	3.6	4.1	4.6
9.6	4.2	4.3	4.8	5.3
10.7	4.7	5.0	5.6	6.0
11.0**	4.9	5.2	5.8	6.2
11.9	5.3	5.7	6.3	6.7
13.0	6.0	6.4	7.1	7.5
14.2	6.8	7.1	7.8	8.2
15.4	7.5	7.9	8.5	8.9
16.5	8.2	8.6	9.3	9.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
6.1*	2.8	2.9	3.1	3.2
7.2	3.4	3.6	3.8	3.9
8.4	4.1	4.3	4.5	4.6
9.6	4.8	5.0	5.2	5.4
10.7	5.5	5.8	6.0	6.1
11.0**	5.7	6.0	6.2	6.3
11.9	6.2	6.5	6.8	6.9
13.0	6.9	7.3	7.5	7.7
14.2	7.7	8.1	8.3	8.5
15.4	8.5	8.8	9.1	9.3
16.5	9.2	9.6	9.9	10.1

* Minimum operating weight

** Maximum takeoff weight

UH-60
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.4*	4.0	4.2	4.3	4.4
6.1	4.4	4.7	4.8	4.9
6.7	4.9	5.2	5.2	5.4
7.3	5.4	5.7	5.7	5.9
7.4	5.4	5.7	5.8	6.0
8.0**	5.8	6.2	6.2	6.4
8.6	6.3	6.6	6.7	6.9
9.2	6.7	7.1	7.2	7.4
9.8	7.2	7.6	7.7	7.9
10.5	7.7	8.1	8.2	8.4
11.1	8.1	8.6	8.7	9.0

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
5.4*	4.0	4.1	4.1	4.1
6.1	4.4	4.5	4.6	4.6
6.7	4.9	5.0	5.1	5.1
7.3	5.4	5.5	5.5	5.5
7.4	5.4	5.5	5.6	5.6
8.0**	5.8	5.9	6.0	6.0
8.6	6.3	6.4	6.5	6.5
9.2	6.7	6.9	7.0	7.0
9.8	7.2	7.4	7.4	7.4
10.5	7.7	7.8	7.9	7.9
11.1	8.1	8.3	8.4	8.4

* Minimum operating weight

** Maximum takeoff weight

UH-72 Lakota
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.8*	1.4	1.4	1.4	1.4
2.2	1.8	1.7	1.7	1.7
2.6	2.1	2.0	2.0	2.0
3.0	2.4	2.4	2.4	2.4
3.4	2.7	2.7	2.7	2.7
3.6**	2.9	2.8	2.9	2.8
3.8	3.1	3.0	3.0	3.0
4.2	3.4	3.3	3.3	3.3
4.6	3.7	3.6	3.6	3.6
5.0	4.0	4.0	4.0	4.0
5.4	4.4	4.3	4.3	4.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
1.8*	1.4	1.4	1.4	1.4
2.2	1.7	1.7	1.7	1.7
2.6	2.0	2.0	2.0	2.0
3.0	2.3	2.4	2.4	2.4
3.4	2.7	2.7	2.7	2.7
3.6**	2.8	2.9	2.9	2.8
3.8	3.0	3.0	3.0	3.0
4.2	3.3	3.3	3.3	3.3
4.6	3.6	3.7	3.7	3.6
5.0	3.9	4.0	4.0	4.0
5.4	4.3	4.3	4.3	4.3

* Minimum operating weight

** Maximum takeoff weight

V-22
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.9*	7.9	8.6	9.5	11.3
23.1	8.9	9.6	11.0	12.7
25.4	9.9	10.8	12.3	14.2
27.4	10.9	11.9	13.6	15.5
27.6	11.0	12.0	13.7	15.6
29.9**	12.1	13.2	15.2	17.0
32.1	13.4	14.4	16.7	18.5
34.4	14.5	15.7	18.1	19.9
36.7	15.7	17.0	19.6	21.4
38.9	17.0	18.4	21.0	22.8
41.2	18.2	20.1	22.5	24.3

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
20.9*	8.9	9.7	10.3	10.7
23.1	10.1	10.9	11.6	12.1
25.4	11.3	12.2	13.0	13.5
27.4	12.4	13.4	14.2	14.7
27.6	12.5	13.5	14.3	14.8
29.9**	13.8	14.9	15.7	16.3
32.1	15.0	16.2	17.1	17.7
34.4	16.4	17.6	18.5	19.1
36.7	17.7	19.0	20.0	20.6
38.9	19.0	20.4	21.5	22.1
41.2	20.4	21.8	22.9	23.6

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK2
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
67.9*	14.1	14.8	17.0	21.7
84.3	18.5	19.6	22.5	29.4
100.6	23.3	24.5	28.7	37.6
116.9	27.8	29.9	35.7	46.5
133.2	33.2	35.6	43.4	55.6
143.2**	36.5	39.1	48.2	61.5
149.5	38.5	41.3	51.2	65.3
165.9	43.8	48.1	59.4	75.2
182.2	49.4	55.1	67.8	85.0
198.5	55.4	63.6	76.4	94.8
214.8	62.0	71.7	85.4	104.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
67.9*	12.9	14.5	17.0	19.8
84.3	16.4	19.0	22.7	26.6
100.6	20.2	23.9	29.0	33.9
116.9	24.3	29.4	35.8	41.6
133.2	28.8	35.4	43.0	49.8
143.2**	31.7	39.1	47.6	55.0
149.5	33.6	41.6	50.6	58.3
165.9	38.8	48.4	58.8	67.2
182.2	44.3	55.6	67.2	76.5
198.5	50.3	63.1	75.9	85.9
214.8	56.6	71.0	85.1	95.8

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK3
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
70.9*	15.4	15.8	18.0	23.1
88.5	20.0	21.0	24.2	31.6
106.1	24.9	26.5	31.0	40.6
123.7	30.0	32.2	39.0	50.3
141.2	35.4	39.0	47.3	60.4
152.7**	39.0	43.2	52.9	67.1
158.8	41.5	45.5	55.9	70.7
176.4	47.7	53.1	64.9	81.4
193.9	54.0	61.9	74.1	91.9
211.5	60.9	70.4	83.5	102.8
229.1	68.1	79.2	93.5	113.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
70.9*	14.0	15.7	18.4	21.4
88.5	17.9	20.7	24.8	28.9
106.1	22.2	26.4	31.8	36.9
123.7	27.0	32.6	39.4	45.5
141.2	32.1	39.3	47.5	54.6
152.7**	35.7	43.9	53.0	60.7
158.8	37.7	46.5	56.1	64.1
176.4	43.6	54.2	65.1	73.9
193.9	50.1	62.3	74.5	84.2
211.5	56.9	70.8	84.3	94.7
229.1	64.2	79.7	94.4	105.6

* Minimum operating weight

** Maximum takeoff weight

VC-25A Air Force One

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
172.8*	18.5	19.1	21.6	27.1
216.6	24.1	25.6	28.8	37.9
260.4	29.9	32.3	36.9	50.0
304.1	36.2	39.5	46.3	62.7
347.9	42.8	47.3	56.3	75.6
377.8**	48.0	52.9	63.9	84.6
391.7	50.3	55.5	67.5	88.8
435.5	57.9	64.1	79.3	101.9
479.2	65.7	74.4	91.7	115.0
523.0	74.0	84.5	104.7	128.3
566.8	82.8	95.3	117.9	141.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k ≥ 120)	B (60 < k < 120)	C (25 < k ≤ 60)	D (k ≤ 25)
172.8*	17.7	19.7	22.8	26.2
216.6	22.8	26.1	30.8	35.5
260.4	28.4	33.3	39.6	45.5
304.1	34.6	41.1	49.0	56.3
347.9	41.1	49.5	59.1	67.5
377.8**	45.9	55.6	66.4	75.4
391.7	48.2	58.5	69.8	79.2
435.5	55.8	68.1	80.9	91.3
479.2	63.9	78.1	92.6	103.9
523.0	72.5	88.7	104.6	117.0
566.8	81.5	99.7	117.1	130.3

* Minimum operating weight

** Maximum takeoff weight

VC-180A
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.5*	1.2	1.5	1.6	1.9
4.1	1.5	1.7	1.9	2.3
4.6	1.7	2	2.2	2.7
5.2	1.9	2.3	2.6	3.1
5.7	2.2	2.6	2.9	3.4
5.8**	2.2	2.6	2.9	3.5
6.3	2.5	2.9	3.3	3.9
6.9	2.7	3.3	3.6	4.3
7.4	3	3.5	4	4.7
8	3.3	4	4.4	5.1
8.5	3.6	4.3	4.8	5.5

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
3.5*	1.5	1.7	1.8	1.9
4.1	1.8	2	2.1	2.2
4.6	2.1	2.3	2.5	2.6
5.2	2.4	2.6	2.8	3
5.7	2.7	2.9	3.1	3.3
5.8**	2.7	3	3.2	3.3
6.3	3.1	3.3	3.5	3.7
6.9	3.4	3.7	3.9	4.1
7.4	3.7	4	4.3	4.5
8	4.1	4.4	4.7	4.8
8.5	4.4	4.8	5	5.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-12C/D Huron which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

WC-130H Hercules
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.7*	14.1	15.7	16.3	18.2
46.7	17.9	20.0	20.6	23.2
55.7	21.9	24.3	25.2	28.4
64.8	25.8	28.5	29.8	34.3
73.8	29.9	32.8	34.5	40.0
79.4**	32.4	35.5	37.5	43.8
82.9	34.0	37.3	39.3	46.2
91.9	38.1	41.8	44.2	52.6
101.0	42.3	46.5	50.2	59.2
110.0	46.7	51.4	55.9	66.0
119.1	51.1	56.2	61.5	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
37.7*	15.6	16.7	17.7	18.7
46.7	19.7	21.1	22.6	23.8
55.7	23.8	25.7	27.6	29.2
64.8	28.1	30.5	32.8	34.7
73.8	32.5	35.4	38.2	40.3
79.4**	35.2	38.5	41.5	43.8
82.9	37.0	40.4	43.6	46.0
91.9	41.6	45.6	49.2	51.9
101.0	46.4	50.9	54.9	57.9
110.0	51.2	56.3	60.8	64.0
119.1	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

WC-130J Hercules

ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
39.3*	15.1	16.7	17.1	19.1
48.2	18.7	20.7	21.4	24.0
57.0	22.7	24.8	25.9	29.2
65.9	26.5	29.0	30.3	35.0
74.7	30.5	33.3	35.0	40.7
79.4**	32.6	35.6	37.4	43.9
83.6	34.6	37.7	39.7	46.8
92.5	38.7	42.2	45.2	53.0
101.3	42.8	46.8	50.8	59.5
110.2	47.1	51.5	56.2	66.2
119.1	51.4	56.2	61.4	72.9

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
39.3*	16.5	17.6	18.7	19.7
48.2	20.5	22.0	23.5	24.8
57.0	24.6	26.5	28.5	30.1
65.9	28.8	31.3	33.6	35.5
74.7	33.2	36.1	38.9	41.0
79.4**	35.5	38.7	41.7	44.0
83.6	37.6	41.1	44.3	46.7
92.5	42.2	46.2	49.8	52.5
101.3	46.9	51.4	55.4	58.4
110.2	51.7	56.7	61.1	64.4
119.1	56.5	62.2	67.0	70.4

* Minimum operating weight

** Maximum takeoff weight

WC-135B
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
53.1*	11.2	11.2	12.3	15.1
70.0	15.1	15.6	17.7	22.4
86.9	19.6	20.5	23.4	30.7
103.8	24.2	25.6	29.8	39.4
120.7	29.0	31.2	37.3	48.8
136.8**	33.7	37.0	44.7	58.0
137.6	33.9	37.3	45.0	58.5
154.5	40.1	43.8	53.4	68.6
171.4	45.7	50.6	62.0	78.9
188.3	51.7	57.9	71.0	89.3
205.2	57.9	66.6	80.2	99.7

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
53.1*	10.4	11.2	12.7	14.6
70.0	13.9	15.5	18.1	21.1
86.9	17.7	20.4	24.2	28.2
103.8	21.9	25.8	30.9	35.9
120.7	26.4	31.6	38.2	44.1
136.8**	30.9	37.7	45.5	52.4
137.6	31.2	38.0	45.8	52.8
154.5	36.4	44.7	54.0	61.8
171.4	42.0	52.0	62.5	71.2
188.3	48.0	59.7	71.4	80.9
205.2	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

WC-135C Constant Phoenix
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
54.4*	11.7	11.8	13.1	15.9
71.1	15.6	16.2	18.4	23.3
87.8	20.1	21.1	24.2	31.6
104.4	24.6	26.5	30.6	40.4
121.1	29.7	32.0	38.1	49.6
136.3**	34.3	37.5	45.1	58.5
137.8	34.7	38.1	45.8	59.3
154.5	40.6	44.8	54.2	69.6
171.1	46.4	51.6	62.7	79.8
187.8	52.4	58.8	71.8	90.2
204.5	58.9	67.5	81.0	100.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
54.4*	11.0	11.9	13.5	15.5
71.1	14.7	16.4	19.1	22.1
87.8	18.6	21.4	25.3	29.4
104.4	22.9	26.9	32.1	37.2
121.1	27.5	32.9	39.5	45.4
136.3**	32.0	38.8	46.5	53.4
137.8	32.5	39.4	47.3	54.2
154.5	37.9	46.3	55.5	63.2
171.1	43.7	53.7	64.1	72.7
187.8	49.8	61.4	73.1	82.4
204.5	56.4	69.5	82.4	92.5

* Minimum operating weight

** Maximum takeoff weight

WC-135W Constant Phoenix
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
54.4*	11.7	11.8	13.1	15.9
71.1	15.6	16.2	18.4	23.3
87.8	20.1	21.1	24.2	31.6
104.4	24.6	26.5	30.6	40.4
121.1	29.7	32.0	38.1	49.6
136.3**	34.3	37.5	45.1	58.5
137.8	34.7	38.1	45.8	59.3
154.5	40.6	44.8	54.2	69.6
171.1	46.4	51.6	62.7	79.8
187.8	52.4	58.8	71.8	90.2
204.5	58.9	67.5	81.0	100.6

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
54.4*	11.0	11.9	13.5	15.5
71.1	14.7	16.4	19.1	22.1
87.8	18.6	21.4	25.3	29.4
104.4	22.9	26.9	32.1	37.2
121.1	27.5	32.9	39.5	45.4
136.3**	32.0	38.8	46.5	53.4
137.8	32.5	39.4	47.3	54.2
154.5	37.9	46.3	55.5	63.2
171.1	43.7	53.7	64.1	72.7
187.8	49.8	61.4	73.1	82.4
204.5	56.4	69.5	82.4	92.5

* Minimum operating weight

** Maximum takeoff weight

YAK-40
ACN, Metric Units

Flexible Pavements

Load (tonnes)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7*	6.8	6.6	6.4	6.3
8.6	8.4	8.1	7.9	7.8
10.3	10	9.7	9.4	9.3
12	11.6	11.3	11	10.8
13.6	13.2	12.9	12.5	12.3
14.6**	14.1	13.8	13.4	13.2
15.3	14.9	14.4	14	13.8
16.9	16.5	16	15.6	15.3
18.6	18.1	17.6	17.1	16.8
20.3	19.7	19.1	18.6	18.3
21.9	21.3	20.7	20.2	19.8

Rigid Pavements

Load (tonnes)	ACN Value for Rigid Subgrade Category (k, MPa/m)			
	A (k $\geq$ 120)	B (60 < k < 120)	C (25 < k $\leq$ 60)	D (k $\leq$ 25)
7*	7	7	6.9	6.8
8.6	8.7	8.7	8.6	8.5
10.3	10.5	10.4	10.3	10.1
12	12.2	12.2	12	11.8
13.6	14	13.9	13.7	13.5
14.6**	15	15	14.8	14.5
15.3	15.7	15.6	15.5	15.2
16.9	17.4	17.4	17.2	16.8
18.6	19.2	19.1	18.9	18.5
20.3	20.9	20.9	20.6	20.2
21.9	22.7	22.6	22.3	21.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from RQ-4B GLOBAL HAWK 20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

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**A-5 ANNEX D: ACN – ENGLISH UNITS
AIRCRAFT CLASSIFICATION NUMBER (ACN)
TABLES ENGLISH UNITS**

**FLEXIBLE PAVEMENT
STANDARD SUBGRADE STRENGTH
CATEGORIES**

Subgrade Strength Category	Subgrade Support CBR Value, Percent	Represents CBR Value Range, Percent	Code Designation
High	15	$\text{CBR} \geq 13$	A
Medium	10	$8 < \text{CBR} < 13$	B
Low	6	$4 < \text{CBR} \leq 8$	C
Ultra Low	3	$\text{CBR} \leq 4$	D

**RIGID PAVEMENT
STANDARD SUBGRADE STRENGTH
CATEGORIES**

Subgrade Strength Category	Subgrade k-value, pci	Represents k-value Range, pci	Code Designation
High	553	$k \geq 442$	A
Medium	295	$221 < k < 442$	B
Low	147	$92 < k \leq 221$	C
Ultra Low	74	$k \leq 92$	D

A-4 Skyhawk
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.5*	4.7	4.5	4.5	4.5
13.7	6.1	5.9	5.9	5.9
16.9	7.6	7.3	7.3	7.3
20.2	9.0	8.6	8.7	8.6
23.4	10.4	10.0	10.1	10.0
26.3**	11.7	11.3	11.3	11.3
26.6	11.9	11.4	11.5	11.4
29.8	13.3	12.8	12.8	12.8
33.0	14.7	14.2	14.2	14.2
36.3	16.2	15.6	15.6	15.5
39.5	17.6	16.9	17.0	16.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10.5*	4.5	4.6	4.6	4.6
13.7	6.0	6.0	6.0	6.0
16.9	7.4	7.4	7.4	7.4
20.2	8.8	8.9	8.9	8.8
23.4	10.2	10.3	10.3	10.2
26.3**	11.6	11.6	11.6	11.5
26.6	11.7	11.8	11.7	11.6
29.8	13.1	13.2	13.2	13.0
33.0	14.5	14.6	14.6	14.4
36.3	16.0	16.1	16.0	15.9
39.5	17.4	17.5	17.5	17.3

* Minimum operating weight

** Maximum takeoff weight

A-6 Intruder
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.6*	11.9	11.4	11.5	11.4
33.7	15.0	14.5	14.5	14.4
40.8	18.2	17.5	17.6	17.5
47.9	21.4	20.6	20.7	20.5
55.1	24.6	23.6	23.7	23.6
60.4**	27.0	25.9	26.0	25.9
62.2	27.8	26.7	26.8	26.6
69.3	30.9	29.7	29.9	29.7
76.4	34.1	32.8	32.9	32.7
83.5	37.3	35.9	36.0	35.8
90.6	40.5	38.9	39.1	38.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.6*	11.7	11.8	11.7	11.6
33.7	14.8	14.9	14.9	14.7
40.8	18.0	18.1	18.1	17.9
47.9	21.2	21.3	21.3	21.0
55.1	24.3	24.5	24.4	24.1
60.4**	26.7	26.9	26.8	26.5
62.2	27.5	27.7	27.6	27.3
69.3	30.7	30.9	30.8	30.4
76.4	33.8	34.1	34.0	33.5
83.5	37.0	37.3	37.2	36.7
90.6	40.2	40.5	40.3	39.8

* Minimum operating weight

** Maximum takeoff weight

A-7 Corsair II
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.8*	9.7	9.4	9.4	9.3
26.4	11.8	11.3	11.4	11.3
31.0	13.9	13.3	13.3	13.3
35.5	15.9	15.3	15.3	15.2
40.1	17.9	17.2	17.3	17.2
42.0**	18.7	18.0	18.1	18.0
44.7	19.9	19.2	19.3	19.1
49.3	22.0	21.2	21.2	21.1
53.8	24.0	23.1	23.2	23.1
58.4	26.1	25.1	25.2	25.0
63.0	28.1	27.1	27.2	27.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.8*	9.5	9.6	9.6	9.5
26.4	11.6	11.7	11.6	11.5
31.0	13.6	13.7	13.7	13.5
35.5	15.6	15.8	15.7	15.5
40.1	17.7	17.8	17.8	17.6
42.0**	18.5	18.7	18.6	18.4
44.7	19.7	19.9	19.8	19.6
49.3	21.8	21.9	21.9	21.6
53.8	23.8	24.0	23.9	23.6
58.4	25.8	26.0	25.9	25.6
63.0	27.9	28.1	28.0	27.6

* Minimum operating weight

** Maximum takeoff weight

A-10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.0*	8.3	8.1	8.1	8.1
26.1	10.8	10.5	10.6	10.6
32.2	13.3	13.0	13.0	13.0
38.3	15.8	15.5	15.5	15.5
44.4	18.4	17.9	18.0	18.0
50.0**	20.7	20.2	20.2	20.2
50.6	20.9	20.4	20.5	20.5
56.7	23.4	22.9	22.9	22.9
62.8	26.0	25.3	25.4	25.4
68.9	28.5	27.8	27.9	27.9
75.0	31.0	30.3	30.4	30.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
20.0*	8.1	8.2	8.2	8.1
26.1	10.6	10.7	10.7	10.6
32.2	13.1	13.2	13.2	13.1
38.3	15.6	15.8	15.8	15.6
44.4	18.1	18.3	18.3	18.1
50.0**	20.4	20.6	20.6	20.4
50.6	20.6	20.8	20.8	20.6
56.7	23.1	23.4	23.3	23.1
62.8	25.6	25.9	25.9	25.6
68.9	28.1	28.4	28.4	28.1
75.0	30.6	31.0	30.9	30.6

* Minimum operating weight

** Maximum takeoff weight

AC-130H Spectre
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
110.0*	19.2	21.6	22.2	25.0
126.9	22.7	25.2	26.1	29.5
143.9	26.0	28.7	30.0	34.6
160.8	29.5	32.4	34.1	39.5
175.0	32.4	35.5	37.5	43.8
177.8**	33.0	36.2	38.1	44.7
194.7	36.5	40.0	42.2	50.0
211.7	40.0	43.9	47.1	55.5
228.6	43.6	48.0	51.9	61.2
245.6	47.4	52.1	56.7	67.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
110.0*	21.1	22.7	24.4	25.7
126.9	24.7	26.7	28.7	30.3
143.9	28.3	30.8	33.1	34.9
160.8	32.0	34.9	37.6	39.7
175.0	35.2	38.5	41.5	43.8
177.8**	35.9	39.2	42.2	44.6
194.7	39.8	43.5	47.0	49.5
211.7	43.7	48.0	51.8	54.6
228.6	47.8	52.5	56.7	59.7
245.6	51.9	57.1	61.6	64.9
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

AC-130U Spooky
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
110.0*	19.2	21.6	22.2	25.0
126.9	22.7	25.2	26.1	29.5
143.9	26.0	28.7	30.0	34.6
160.8	29.5	32.4	34.1	39.5
175.0	32.4	35.5	37.5	43.8
177.8**	33.0	36.2	38.1	44.7
194.7	36.5	40.0	42.2	50.0
211.7	40.0	43.9	47.1	55.5
228.6	43.6	48.0	51.9	61.2
245.6	47.4	52.1	56.7	67.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
110.0*	21.1	22.7	24.4	25.7
126.9	24.7	26.7	28.7	30.3
143.9	28.3	30.8	33.1	34.9
160.8	32.0	34.9	37.6	39.7
175.0	35.2	38.5	41.5	43.8
177.8**	35.9	39.2	42.2	44.6
194.7	39.8	43.5	47.0	49.5
211.7	43.7	48.0	51.8	54.6
228.6	47.8	52.5	56.7	59.7
245.6	51.9	57.1	61.6	64.9
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

**AH-64 Apache Longbow W/FCR
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.1*	3.4	3.7	3.9	4.1
14.5	4.0	4.5	4.8	4.9
17.0	4.7	5.3	5.5	5.8
19.5	5.4	6.1	6.4	6.6
22.0	6.1	6.8	7.2	7.5
23.0**	6.4	7.1	7.5	7.8
24.5	6.8	7.6	8.0	8.3
27.0	7.5	8.4	8.8	9.2
29.5	8.2	9.1	9.6	10.0
32.0	8.9	9.9	10.4	10.9
34.5	9.6	10.7	11.2	11.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
12.1*	3.5	3.6	3.7	3.7
14.5	4.2	4.4	4.4	4.5
17.0	5.0	5.1	5.2	5.2
19.5	5.7	5.8	6.0	6.0
22.0	6.4	6.6	6.7	6.8
23.0**	6.7	6.9	7.0	7.1
24.5	7.1	7.3	7.5	7.5
27.0	7.8	8.1	8.2	8.3
29.5	8.6	8.8	9.0	9.1
32.0	9.3	9.6	9.8	9.8
34.5	10.0	10.3	10.5	10.6

* Minimum operating weight

** Maximum takeoff weight

Airbus A310 MRTT
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
251.3*	28.2	30.7	35.6	47.6
284.0	32.9	36.2	43.0	56.7
316.7	38.1	41.9	50.6	65.8
349.3	43.1	48.0	58.4	75.0
363.6**	45.4	50.7	62.0	79.0
382.0	48.7	54.3	66.7	84.2
414.7	54.5	61.1	75.0	93.3
447.3	60.6	69.1	83.8	102.6
480.0	66.7	76.8	92.8	111.9
512.7	72.9	84.7	102.1	121.3
545.3	79.5	93.1	111.4	130.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
251.3*	27.5	32.8	38.9	44.5
284.0	32.4	38.8	46.1	52.4
316.7	37.5	45.3	53.7	60.7
349.3	43.0	52.1	61.6	69.2
363.6**	45.4	55.1	65.1	73.0
382.0	48.7	59.2	69.8	78.1
414.7	54.8	66.7	78.2	87.2
447.3	61.3	74.4	86.9	96.5
480.0	68.0	82.5	95.9	106.0
512.7	75.0	90.7	105.1	115.7
545.3	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

**Airbus 321NEO WV056
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
161.6*	39.2	41.0	44.6	50.3
177.8	43.7	45.9	50.3	56.1
194.0	48.3	51.2	56.2	61.9
204.8**	51.5	54.8	60.1	65.9
210.2	53.1	56.6	62.1	67.8
226.4	58.1	62.0	68.0	73.6
242.5	63.8	67.6	74.0	79.4
258.7	68.9	73.4	79.9	85.2
274.9	74.1	79.4	85.8	91.0
291.1	79.5	85.4	91.7	96.8
307.3	85.1	91.5	97.7	102.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
161.6*	44.5	47.4	49.7	50.9
177.8	49.9	53.1	55.5	56.8
194.0	55.4	58.8	61.4	62.8
204.8**	59.1	62.8	65.5	66.9
210.2	61.0	64.7	67.5	68.9
226.4	66.6	70.7	73.6	75.0
242.5	72.5	76.7	79.7	81.2
258.7	78.3	82.8	86.0	87.5
274.9	84.2	89.0	92.3	93.8
291.1	90.3	95.3	98.7	100.2
307.3	96.4	101.7	105.1	106.6

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV070

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
147.7*	34.8	35.9	39.8	45.3
160.9	38.4	39.6	44.3	49.9
174.0	41.9	44.1	48.8	54.6
177.3**	42.8	45.2	50.0	55.8
187.1	45.5	48.4	53.5	59.3
200.3	49.3	52.8	58.2	64.0
213.4	54.0	57.1	62.9	68.6
226.5	58.0	61.5	67.7	73.3
239.7	61.3	66.0	72.4	77.9
252.8	66.2	70.6	77.1	82.5
265.9	70.5	75.4	81.9	87.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
147.7*	38.8	41.6	43.8	45.1
160.9	43.0	46.0	48.4	49.7
174.0	47.2	50.5	53.0	54.5
177.3**	48.3	51.6	54.2	55.6
187.1	51.5	55.0	57.7	59.2
200.3	55.9	59.7	62.5	64.0
213.4	60.3	64.4	67.3	68.9
226.5	64.9	69.1	72.1	73.8
239.7	69.4	73.9	77.1	78.8
252.8	74.0	78.7	82.1	83.8
265.9	78.7	83.7	87.1	88.8

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO WV071
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
161.6*	39.4	40.6	44.8	50.5
179.5	44.5	46.6	51.0	56.9
197.3	49.5	52.5	57.5	63.2
214.8**	54.6	58.5	63.9	69.5
215.1	54.7	58.6	64.0	69.6
233.0	61.1	64.7	70.6	76.0
250.8	66.9	70.8	77.2	82.3
268.6	72.6	77.3	83.7	88.7
286.5	78.4	84.0	90.3	95.0
304.3	84.3	90.7	96.8	101.3
322.2	90.6	97.5	103.4	107.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
161.6*	45.1	48.0	50.1	51.3
179.5	51.1	54.3	56.6	57.9
197.3	57.3	60.7	63.2	64.6
214.8**	63.4	67.1	69.8	71.2
215.1	63.5	67.2	69.9	71.3
233.0	69.9	73.9	76.8	78.1
250.8	76.4	80.7	83.6	85.0
268.6	83.0	87.5	90.6	92.0
286.5	89.6	94.5	97.8	99.1
304.3	96.4	101.6	104.9	106.2
322.2	103.4	108.7	112.1	113.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 321NEO XLR WV099

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
166.7*	40.9	42.9	46.6	52.3
185.4	46.2	48.7	53.3	58.9
204.2	51.8	55.0	60.1	65.6
222.9	57.4	61.4	67.0	72.2
223.6**	57.6	61.6	67.3	72.5
241.7	63.3	67.9	73.9	79.0
260.4	70.1	74.5	80.8	85.7
279.2	76.3	81.4	87.7	92.4
297.9	82.5	88.5	94.6	99.1
316.6	88.9	95.6	101.5	105.7
335.4	95.6	102.7	108.4	112.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
166.7*	47.3	50.1	52.3	53.5
185.4	53.7	56.9	59.2	60.4
204.2	60.2	63.7	66.2	67.5
222.9	66.9	70.7	73.4	74.7
223.6**	67.1	70.9	73.6	74.9
241.7	73.7	77.8	80.6	81.9
260.4	80.6	85.0	87.9	89.2
279.2	87.7	92.3	95.4	96.7
297.9	94.8	99.7	102.9	104.2
316.6	102.1	107.2	110.6	111.8
335.4	109.4	114.8	118.2	119.4

* Minimum operating weight

** Maximum takeoff weight

Airbus A330 MRTT
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
265.7*	30.6	33.1	37.8	46.0
322.1	39.1	42.5	49.2	58.9
378.5	48.1	52.9	61.2	72.4
434.9	57.9	64.1	73.4	86.6
491.4	68.0	76.5	85.8	101.4
515.7**	72.4	80.6	91.3	108.2
547.8	79.1	87.5	98.9	117.2
604.2	91.5	99.6	112.3	133.1
660.6	103.2	113.5	125.9	148.8
717.1	116.2	126.7	139.8	164.6
773.5	129.0	138.2	154.5	180.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
265.7*	31.4	34.6	39.7	44.8
322.1	39.4	44.5	51.5	57.9
378.5	48.1	55.4	64.1	71.8
434.9	57.5	67.0	77.7	86.6
491.4	67.8	79.6	91.9	101.9
515.7**	72.5	85.2	98.3	108.7
547.8	78.8	92.8	106.9	118.0
604.2	90.6	106.8	122.5	134.6
660.6	103.1	121.6	138.7	151.6
717.1	116.1	136.7	155.5	169.3
773.5	129.9	152.7	172.8	187.4

* Minimum operating weight

** Maximum takeoff weight

Airbus 400M
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
173.3*	9.5	9.7	11.2	14.5
205.8	11.7	12.2	14.1	18.6
238.4	14.0	14.5	17.1	22.9
271.0	16.2	17.4	20.4	27.7
303.5	18.6	20.3	24.2	32.8
310.9**	19.2	21.0	25.1	33.9
336.1	21.3	23.4	28.2	37.9
368.6	24.0	26.5	32.2	43.3
401.2	26.7	30.0	36.5	48.7
433.7	30.0	33.4	41.1	54.4
466.3	33.0	37.0	45.8	60.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
173.3*	10.0	10.5	12.3	15.6
205.8	11.9	12.8	15.9	20.3
238.4	13.8	15.3	19.9	25.3
271.0	15.9	18.4	24.3	30.9
303.5	18.0	21.8	29.1	36.8
310.9**	18.5	22.6	30.3	38.2
336.1	20.2	25.5	34.3	43.0
368.6	22.5	29.6	39.9	49.5
401.2	25.1	34.1	45.7	56.3
433.7	28.2	38.8	51.9	63.4
466.3	31.5	43.9	58.3	70.6

* Minimum operating weight

** Maximum takeoff weight

**AIRBUS A300 B2, B4
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
195.1*	21.1	22.6	25.5	33.4
231.3	25.8	28	32	42.7
267.5	31.3	33.9	39.8	52.6
303.7	36.8	40.2	48	62.7
339.9	42.6	46.7	56.8	73
347.2**	43.8	48.1	58.6	75.1
376.1	48.6	53.8	65.8	83.3
412.3	55	62.1	75.3	93.5
448.5	61.7	70.3	85	103.7
484.7	68.4	79	95	114.2
520.8	75.8	87.8	105.5	124.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
195.1*	21	24.2	28.5	32.4
231.3	25.9	30.4	35.9	40.8
267.5	31.4	37.1	43.8	49.6
303.7	37.1	44.3	52.2	58.8
339.9	43.3	52	61	68.3
347.2**	44.6	53.6	62.8	70.3
376.1	49.9	60	70.2	78.2
412.3	56.9	68.5	79.7	88.4
448.5	64.3	77.3	89.5	99
484.7	72.1	86.4	99.8	109.7
520.8	80.1	95.9	110.2	120.7

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A300-600
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
195.1*	21	22.5	25.4	33.4
236.5	26.4	28.7	33	44.1
277.9	32.3	35.6	42	55.4
319.4	39	42.8	51.7	67.2
360.8	45.7	50.7	61.8	78.8
378.5**	48.6	54.2	66.4	83.8
402.2	52.8	59	72.5	90.6
443.6	60.6	68.9	83.5	102.5
485	68.5	78.9	95.1	114.3
526.4	76.4	89.1	106.9	126.1
567.8	84.7	99.7	118.9	137.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
195.1*	20.5	23.8	28	32.1
236.5	26.1	30.8	36.5	41.6
277.9	32.2	38.5	45.5	51.7
319.4	38.9	46.8	55.3	62.3
360.8	46	55.6	65.5	73.3
378.5**	49.3	59.6	70	78.2
402.2	53.7	65	76.2	84.8
443.6	62	74.9	87.2	96.7
485	70.7	85.3	98.8	108.9
526.4	79.8	96	110.7	121.5
567.8	89.4	107.2	123.1	134.3

* Minimum operating weight

** Maximum takeoff weight

AIRBUS A310-200/300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
174.6*	18.4	19.3	21.8	28.2
212.9	23.3	25.1	28.2	37.4
251.2	28.5	30.9	35.4	47.5
289.5	34.4	37.3	44.1	58
327.8	40.4	44	53.1	68.8
346.1**	43.3	47.3	57.6	73.9
366.1	46.6	51.2	62.4	79.4
404.3	53	59.7	72.3	90.3
442.6	59.6	68.1	82.2	101.2
480.9	67.5	76.9	92.9	112.1
519.2	75.3	86.5	103.7	122.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
174.6*	18.5	21	24.4	27.9
212.9	23.5	27.2	31.9	36.3
251.2	29	34.1	40	45.3
289.5	34.9	41.4	48.6	54.8
327.8	41.3	49.4	57.8	64.7
346.1**	44.5	53.3	62.3	69.6
366.1	48.2	57.6	67.3	75
404.3	55.4	66.4	77.3	85.6
442.6	63.1	75.6	87.5	96.6
480.9	71.3	85.2	98.1	107.9
519.2	79.7	95.3	109.1	119.4

* Minimum operating weight

** Maximum takeoff weight

Airbus A319-100
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
128.7*	28.7	29.5	32.3	37.0
142.2	32.2	33.5	36.4	41.7
155.7	35.9	37.5	40.7	46.4
166.8	38.9	40.7	44.4	50.2
169.2	39.5	41.4	45.2	51.0
182.7**	43.1	45.4	49.7	55.6
196.2	46.8	49.6	54.4	60.3
209.7	50.6	53.9	59.1	65.0
223.2	54.6	58.2	63.9	69.8
236.7	58.6	62.6	68.7	74.5
250.2	63.5	66.9	73.5	79.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
128.7*	32.3	34.5	36.3	37.5
142.2	36.3	38.8	40.8	42.1
155.7	40.4	43.2	45.4	46.7
166.8	43.9	46.9	49.2	50.5
169.2	44.6	47.7	50.0	51.3
182.7**	48.9	52.2	54.7	56.1
196.2	53.3	56.8	59.4	60.9
209.7	57.7	61.4	64.2	65.7
223.2	62.2	66.2	69.1	70.6
236.7	66.7	71.0	74.0	75.5
250.2	71.4	75.8	78.9	80.5

* Minimum operating weight

** Maximum takeoff weight

Airbus A320-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
87.5*	8.8	9.1	10.3	12.9
102.7	10.6	11.1	12.6	16.4
118.0	12.6	13.2	15.1	20.2
133.3	14.4	15.4	17.9	24.2
148.5	16.6	17.9	20.7	28.4
149.9**	16.8	18.2	21.0	28.8
163.8	18.6	20.4	24.1	32.6
179.1	20.9	23.0	27.5	36.9
194.3	23.1	25.7	31.2	41.2
209.6	25.4	28.5	35.0	45.5
224.9	28.2	31.4	39.0	49.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
87.5*	8.7	10.0	11.7	13.4
102.7	10.6	12.3	14.5	16.6
118.0	12.6	14.8	17.5	20.0
133.3	14.8	17.5	20.7	23.5
148.5	17.0	20.4	24.0	27.2
149.9**	17.3	20.6	24.3	27.5
163.8	19.5	23.4	27.5	31.0
179.1	22.0	26.5	31.1	34.9
194.3	24.7	29.7	34.8	38.9
209.6	27.5	33.1	38.7	43.0
224.9	30.5	36.6	42.6	47.3

* Minimum operating weight

** Maximum takeoff weight

Airbus A330-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
275.5*	27.5	28.5	31.7	39.0
329.7	33.7	35.7	39.7	50.3
383.9	40.5	43.2	48.3	63.1
438.2	47.3	51.0	57.4	76.4
492.4	54.2	59.0	67.2	90.6
509.0**	56.4	61.6	71.3	95.0
546.6	62.6	67.6	78.9	105.4
600.9	70.6	76.5	90.4	120.6
655.1	78.8	85.9	103.0	135.7
709.3	87.4	95.6	116.0	151.1
763.6	96.2	105.6	129.5	166.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
275.5*	26.7	28.7	32.3	36.8
329.7	32.3	35.5	40.6	46.6
383.9	38.2	42.7	49.6	57.2
438.2	44.3	50.4	59.2	68.3
492.4	50.7	58.6	69.4	80.0
509.0**	52.8	61.2	72.6	83.6
546.6	57.5	67.3	80.2	92.2
600.9	64.6	76.5	91.3	104.9
655.1	72.1	86.1	102.9	117.9
709.3	80.0	96.2	115.0	131.4
763.6	88.2	106.8	127.6	145.2

* Minimum operating weight

** Maximum takeoff weight

Airbus A340-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
280.4*	22.9	23.6	26.1	31.5
350.6	29.7	30.9	34.4	42.8
420.8	36.7	39.0	43.5	55.9
491.1	44.1	47.3	53.1	70.0
561.3	51.6	55.9	63.4	85.1
608.3**	56.7	62.0	71.7	95.7
631.5	60.3	65.1	75.7	101.1
701.7	69.0	74.7	88.0	117.5
771.9	77.8	84.8	101.6	133.9
842.2	87.2	95.3	115.7	150.7
912.4	96.8	106.2	130.4	167.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
280.4*	22.8	24.1	26.6	30.0
350.6	28.7	31.1	35.2	40.2
420.8	34.9	38.6	44.5	51.2
491.1	41.4	46.8	54.6	63.0
561.3	48.2	55.4	65.4	75.5
608.3**	53.0	61.6	73.1	84.2
631.5	55.5	64.7	76.9	88.6
701.7	63.1	74.6	89.0	102.3
771.9	71.2	85.0	101.6	116.4
842.2	79.8	96.0	114.7	131.0
912.4	88.7	107.4	128.4	146.1

* Minimum operating weight

** Maximum takeoff weight

Airbus A380-800
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
661.4*	25.1	26.9	30.4	39.9
794.4	31.5	34.2	39.1	52.8
927.4	38.6	41.7	48.9	68.1
1060.4	45.4	49.8	58.9	83.5
1193.4	53.1	58.3	70.4	99.5
1239.0**	56.2	61.4	74.6	105.2
1326.5	61.8	67.4	82.7	116.0
1459.5	70.2	78.3	95.6	131.0
1592.5	79.3	88.9	109.7	148.1
1725.5	88.5	99.9	124.3	165.8
1858.5	98.3	111.8	142.1	183.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
661.4*	26.4	28.7	34.2	42.1
794.4	32.1	36.2	44.6	55.5
927.4	38.2	44.6	56.4	70.2
1060.4	44.7	54.0	69.4	86.0
1193.4	51.9	64.4	83.6	102.9
1239.0**	54.5	68.2	88.7	108.8
1326.5	59.7	75.8	98.8	120.7
1459.5	68.1	88.2	114.9	139.3
1592.5	77.4	101.7	132.0	158.7
1725.5	87.3	116.0	150.0	178.7
1858.5	98.0	131.2	168.7	199.4

* Minimum operating weight

** Maximum takeoff weight

AJET
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10*	4.2	4.2	4.2	4.2
12	5.1	5	5	5.1
14	5.9	5.9	5.9	6
16	6.7	6.7	6.7	6.8
18	7.6	7.5	7.6	7.7
18.7**	7.9	7.8	7.9	7.9
20	8.4	8.4	8.4	8.5
22	9.3	9.2	9.3	9.4
24	10.1	10.1	10.1	10.2
26	11	10.9	10.9	11.1
28.1	11.8	11.7	11.8	11.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10*	4.1	4.1	4.2	4.2
12	4.9	5	5	5
14	5.8	5.8	5.9	5.8
16	6.6	6.7	6.7	6.7
18	7.4	7.5	7.6	7.5
18.7**	7.7	7.8	7.8	7.8
20	8.3	8.4	8.4	8.4
22	9.1	9.2	9.2	9.2
24	9.9	10.1	10.1	10
26	10.8	10.9	10.9	10.9
28.1	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-12 Russian
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
61.7*	6.1	6.4	7.1	8.5
77.3	8.0	8.5	9.5	11.4
92.8	10.0	10.6	12.1	14.3
108.4	12.1	13.0	14.9	17.4
124.0	14.1	15.6	17.8	20.6
134.5**	15.7	17.5	19.8	22.7
139.5	16.6	18.4	20.7	23.7
155.1	19.0	21.2	23.6	26.9
170.6	21.6	24.0	26.6	30.2
186.2	24.2	26.9	29.5	33.5
201.7	27.2	29.7	32.6	37.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
61.7*	7.5	7.6	7.9	8.6
77.3	9.5	9.7	10.3	11.4
92.8	11.6	11.9	13.0	14.4
108.4	13.7	14.3	15.9	17.7
124.0	15.8	16.9	18.9	21.1
134.5**	17.3	18.7	21.1	23.5
139.5	18.0	19.6	22.1	24.7
155.1	20.4	22.5	25.5	28.4
170.6	22.9	25.6	29.0	32.2
186.2	25.5	28.7	32.7	36.1
201.7	28.3	32.1	36.4	40.2

* Minimum operating weight

** Maximum takeoff weight

AN-24/26
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.7*	4.7	5.5	6.2	7.4
35.5	5.7	6.9	7.7	9.3
41.4	6.8	8.2	9.2	11.3
47.3	7.9	9.5	10.8	13.2
53.1	9.1	11.1	12.6	15.2
55**	9.5	11.5	13.1	15.8
59	10.3	12.6	14.4	17.2
64.8	11.6	14.2	16.3	19.1
70.7	12.9	15.9	18.2	21.1
76.6	14.1	17.5	20.2	23
82.4	15.6	19.2	22.1	25

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.7*	5.3	5.9	6.5	7
35.5	6.6	7.4	8.1	8.6
41.4	7.9	8.9	9.7	10.2
47.3	9.3	10.4	11.3	12
53.1	10.7	12	13	13.7
55**	11.2	12.5	13.5	14.2
59	12.2	13.6	14.7	15.5
64.8	13.7	15.2	16.5	17.3
70.7	15.3	16.9	18.3	19.1
76.6	16.9	18.7	20.1	21
82.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AN-124 Russian
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
376.4*	13.4	14.2	16.6	22.7
478.7	18.0	19.8	23.5	33.1
580.9	23.1	25.9	31.5	45.2
683.1	29.2	32.6	40.2	57.8
785.3	35.1	39.6	49.8	71.1
864.2**	40.3	46.3	58.2	82.6
887.5	41.8	48.2	60.7	86.1
989.7	49.2	57.1	73.4	101.5
1091.9	56.8	66.6	85.9	117.7
1194.1	64.5	76.8	98.8	134.2
1296.3	72.5	87.3	111.8	150.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
376.4*	13.6	14.6	17.2	22.8
478.7	17.4	19.2	24.8	34.4
580.9	21.4	25.0	34.5	48.4
683.1	25.7	32.1	46.1	64.3
785.3	30.3	40.2	59.6	82.1
864.2**	34.1	47.7	71.2	96.9
887.5	35.5	50.0	74.8	101.4
989.7	42.0	61.4	91.7	122.1
1091.9	49.3	74.3	110.1	144.1
1194.1	57.7	88.7	129.8	167.2
1296.3	67.1	104.5	150.8	191.3

* Minimum operating weight

** Maximum takeoff weight

AN-225 Myria Cossack
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
628.3*	16.1	17.5	20.0	27.2
779.0	21.2	23.2	27.4	38.2
929.6	26.4	29.4	35.6	50.0
1080.3	32.6	36.2	44.5	62.5
1230.9	39.0	43.5	54.2	75.9
1322.8**	42.9	49.0	60.9	84.8
1381.5	45.6	52.2	65.2	90.4
1532.2	53.0	61.3	76.7	104.9
1682.8	60.6	70.8	88.5	119.9
1833.5	68.1	80.8	100.9	133.6
1984.1	77.7	91.4	113.7	149.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
628.3*	16.7	18.1	22.6	29.8
779.0	21.0	23.9	31.9	42.2
929.6	25.5	31.2	42.8	56.5
1080.3	30.5	39.7	55.4	72.2
1230.9	36.0	49.5	69.3	89.2
1322.8**	40.1	56.1	78.5	100.1
1381.5	42.9	60.7	84.6	107.3
1532.2	50.9	73.2	101.2	126.5
1682.8	59.8	86.8	118.9	146.7
1833.5	69.8	101.6	137.4	167.7
1984.1	81.0	117.6	157.1	189.5

* Minimum operating weight

** Maximum takeoff weight

**Andover C MK 1 & E MK 3
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.7*	4.7	5.5	6.2	7.4
35.5	5.7	6.9	7.7	9.3
41.4	6.8	8.2	9.2	11.3
47.3	7.9	9.5	10.8	13.2
53.1	9.1	11.1	12.6	15.2
55.0**	9.5	11.5	13.1	15.8
59.0	10.3	12.6	14.4	17.2
64.8	11.6	14.2	16.3	19.1
70.7	12.9	15.9	18.2	21.1
76.6	14.1	17.5	20.2	23.0
82.4	15.6	19.2	22.1	25.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.7*	5.3	5.9	6.5	7.0
35.5	6.6	7.4	8.1	8.6
41.4	7.9	8.9	9.7	10.2
47.3	9.3	10.4	11.3	12.0
53.1	10.7	12.0	13.0	13.7
55.0**	11.2	12.5	13.5	14.2
59.0	12.2	13.6	14.7	15.5
64.8	13.7	15.2	16.5	17.3
70.7	15.3	16.9	18.3	19.1
76.6	16.9	18.7	20.1	21.0
82.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Andover CC MK 2
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4.0	4.9	5.7	7.0
30.7	4.8	5.9	6.8	8.5
35.2	5.7	6.9	8.1	10.0
39.7	6.6	8.1	9.5	11.5
44.2	7.6	9.2	11.0	13.1
44.5**	7.6	9.3	11.1	13.1
48.7	8.5	10.6	12.4	14.6
53.2	9.6	11.8	13.9	16.1
57.7	10.6	13.2	15.4	17.7
62.2	11.6	14.6	16.9	19.2
66.7	12.9	16.1	18.3	20.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	4.8	5.4	6.0	6.3
30.7	5.9	6.6	7.2	7.6
35.2	6.9	7.8	8.5	9.0
39.7	8.1	9.0	9.8	10.3
44.2	9.2	10.2	11.1	11.7
44.5**	9.3	10.3	11.2	11.8
48.7	10.4	11.5	12.5	13.1
53.2	11.6	12.8	13.8	14.5
57.7	12.9	14.2	15.3	16.0
62.2	14.1	15.6	16.7	17.4
66.7	15.4	17.0	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

**Andover CC MK 2 Queens Flight
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4.0	4.9	5.7	7.0
31.0	4.9	6.0	6.9	8.6
35.8	5.8	7.1	8.3	10.2
40.7	6.8	8.4	9.8	11.9
45.5	7.8	9.7	11.4	13.5
46.5**	8.0	10.0	11.7	13.8
50.4	8.9	11.1	13.0	15.2
55.2	10.0	12.4	14.6	16.8
60.0	11.1	13.9	16.2	18.5
64.9	12.4	15.5	17.7	20.1
69.7	13.6	17.3	19.3	21.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	4.8	5.4	6.0	6.3
31.0	5.9	6.7	7.3	7.7
35.8	7.1	7.9	8.6	9.2
40.7	8.3	9.3	10.0	10.6
45.5	9.6	10.6	11.5	12.1
46.5**	9.8	10.9	11.8	12.4
50.4	10.8	12.0	13.0	13.6
55.2	12.2	13.4	14.5	15.2
60.0	13.5	14.9	16.0	16.7
64.9	14.9	16.4	17.6	18.3
69.7	16.3	17.9	19.1	19.9

* Minimum operating weight

** Maximum takeoff weight

**ANDOVER HS-748
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.7*	4.7	5.5	6.2	7.4
35.5	5.7	6.9	7.7	9.3
41.4	6.8	8.2	9.2	11.3
47.3	7.9	9.5	10.8	13.2
53.1	9.1	11.1	12.6	15.2
55**	9.5	11.5	13.1	15.8
59	10.3	12.6	14.4	17.2
64.8	11.6	14.2	16.3	19.1
70.7	12.9	15.9	18.2	21.1
76.6	14.1	17.5	20.2	23
82.4	15.6	19.2	22.1	25

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.7*	5.3	5.9	6.5	7
35.5	6.6	7.4	8.1	8.6
41.4	7.9	8.9	9.7	10.2
47.3	9.3	10.4	11.3	12
53.1	10.7	12	13	13.7
55**	11.2	12.5	13.5	14.2
59	12.2	13.6	14.7	15.5
64.8	13.7	15.2	16.5	17.3
70.7	15.3	16.9	18.3	19.1
76.6	16.9	18.7	20.1	21
82.4	18.5	20.4	21.9	22.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER C MK1 & E MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

AO/A-10-A Thunderbolt II
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.4*	11.0	10.8	10.8	10.8
32.0	13.3	13.0	13.1	13.1
37.5	15.7	15.3	15.3	15.3
43.1	18.0	17.6	17.6	17.6
48.7	20.3	19.8	19.9	19.9
51.0**	21.3	20.8	20.9	20.8
54.2	22.6	22.1	22.2	22.2
59.8	25.0	24.4	24.4	24.4
65.4	27.3	26.6	26.7	26.7
70.9	29.6	28.9	29.0	29.0
76.5	31.9	31.2	31.3	31.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.4*	10.8	10.9	10.9	10.8
32.0	13.1	13.2	13.2	13.1
37.5	15.4	15.6	15.6	15.4
43.1	17.7	17.9	17.9	17.7
48.7	20.0	20.2	20.2	20.0
51.0**	21.0	21.2	21.2	21.0
54.2	22.3	22.6	22.6	22.3
59.8	24.6	24.9	24.9	24.6
65.4	26.9	27.2	27.2	26.9
70.9	29.2	29.6	29.5	29.2
76.5	31.5	31.9	31.9	31.5

* Minimum operating weight

** Maximum takeoff weight

AT-38B Talon
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.3*	3.6	3.4	3.4	3.3
9.6	4.1	4.0	3.9	3.9
11.0	4.7	4.5	4.5	4.4
12.3	5.3	5.1	5.0	4.9
13.5	5.8	5.6	5.5	5.4
13.6**	5.8	5.6	5.5	5.5
15.0	6.4	6.2	6.1	6.0
16.3	7.0	6.7	6.6	6.5
17.6	7.5	7.3	7.2	7.1
18.9	8.1	7.8	7.7	7.6
20.3	8.7	8.4	8.2	8.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.3*	3.6	3.6	3.6	3.5
9.6	4.2	4.2	4.2	4.1
11.0	4.8	4.8	4.7	4.7
12.3	5.4	5.4	5.3	5.3
13.5	5.9	5.9	5.9	5.8
13.6**	6.0	6.0	5.9	5.8
15.0	6.5	6.6	6.5	6.4
16.3	7.1	7.1	7.1	7.0
17.6	7.7	7.7	7.7	7.6
18.9	8.3	8.3	8.3	8.1
20.3	8.9	8.9	8.9	8.7

* Minimum operating weight

** Maximum takeoff weight

Atlantic ATLA
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
68*	15.6	16	17.8	20.5
81.8	19.4	19.9	22.5	25.4
95.6	23.3	24.1	27.2	30.4
109.3	27.2	28.2	32.2	35.3
123.1	31.3	33.1	37.3	40.3
128**	32.7	34.8	39.1	42
136.9	35.4	38.2	42.3	45.2
150.7	39.8	43.3	47.4	50.2
164.4	45.1	48.4	52.4	55.2
178.2	50.1	53.7	57.5	60.1
192	54.9	58.9	62.5	65

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
68*	17.3	18.6	19.7	20.3
81.8	21.6	23.1	24.4	25.1
95.6	26	27.9	29.2	30.1
109.3	30.7	32.7	34.2	35.1
123.1	35.4	37.7	39.3	40.2
128**	37.1	39.5	41.2	42.1
136.9	40.3	42.7	44.5	45.5
150.7	45.2	47.9	49.9	50.8
164.4	50.3	53.2	55.2	56.2
178.2	55.5	58.6	60.7	61.7
192	60.8	64.1	66.3	67.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from P-3N ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

ATR 42
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
25.4*	5.6	6	6.6	7.8
29.4	6.7	7.1	8	9.2
33.4	7.8	8.3	9.5	10.6
37.4	9	9.6	11	11.9
41	10.1	10.8	12.3	13.2
41.4**	10.2	10.9	12.4	13.3
45.4	11.5	12.3	13.9	14.7
49.5	12.9	13.7	15.3	16.2
53.5	14.1	15.1	16.8	17.6
57.5	15.4	16.5	18.3	19
61.5	17	18	19.7	20.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
25.4*	6.4	6.9	7.2	7.5
29.4	7.6	8.2	8.6	8.9
33.4	8.9	9.5	10	10.3
37.4	10.2	10.9	11.4	11.8
41	11.4	12.2	12.7	13.1
41.4**	11.6	12.3	12.9	13.2
45.4	13	13.8	14.4	14.7
49.5	14.4	15.2	15.9	16.2
53.5	15.8	16.7	17.4	17.8
57.5	17.3	18.2	18.9	19.3
61.5	18.8	19.8	20.5	20.9

* Minimum operating weight

** Maximum takeoff weight

ATR 72
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.8*	6.8	7.2	8.2	9.3
34.8	8.2	8.6	10	11.1
39.9	9.7	10.4	11.9	12.8
45	11.3	12.1	13.7	14.6
50	13.1	13.9	15.5	16.4
50.3**	13.2	14	15.6	16.5
55.1	14.7	15.7	17.4	18.2
60.2	16.5	17.5	19.2	20
65.3	18.4	19.3	21.1	21.8
70.3	20.4	21.1	22.9	23.6
75.4	22.4	22.9	24.8	25.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.8*	7.7	8.3	8.7	9
34.8	9.4	10	10.5	10.8
39.9	11.1	11.8	12.3	12.7
45	12.8	13.6	14.2	14.5
50	14.6	15.4	16.1	16.5
50.3**	14.6	15.5	16.2	16.5
55.1	16.4	17.3	18	18.4
60.2	18.3	19.3	20	20.4
65.3	20.2	21.2	22	22.4
70.3	22.1	23.2	24	24.4
75.4	24.1	25.3	26.1	26.4

* Minimum operating weight

** Maximum takeoff weight

Aururo CP-140
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
68*	15.7	16.1	17.9	20.6
84.6	20.3	21	23.5	26.5
101.2	25.1	26.2	29.4	32.4
117.8	30	32	35.4	38.4
134.4	35.1	37.9	41.5	44.3
145**	38.9	41.8	45.3	48.1
151.1	40.4	44.1	47.5	50.3
167.7	46.8	50.4	53.6	56.2
184.3	52.8	56.6	59.8	62.2
200.9	59.1	62.9	65.9	68.1
217.5	65.4	69.3	72.1	74.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
68*	17.9	19.1	20.1	20.7
84.6	23.2	24.8	25.9	26.6
101.2	28.8	30.6	32	32.7
117.8	34.6	36.6	38.2	39
134.4	40.6	42.9	44.5	45.4
145**	44.5	46.9	48.6	49.5
151.1	46.7	49.2	51	51.9
167.7	53	55.8	57.7	58.5
184.3	59.5	62.4	64.4	65.2
200.9	66	69.3	71.3	72.1
217.5	72.8	76.1	78.2	78.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from P-3C ORION which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**AV-8 Harrier
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.9*	3.1	3.7	4.0	4.8
18.6	4.1	4.8	5.1	6.3
22.2	5.2	5.9	6.5	7.8
25.9	6.2	7.1	7.9	9.4
29.6	7.4	8.2	9.5	11.0
32.0**	8.1	9.2	10.6	12.0
33.3	8.5	9.6	11.1	12.6
37.0	9.7	10.9	12.7	14.2
40.6	11.0	12.4	14.2	15.8
44.3	12.2	13.9	15.8	17.5
48.0	13.7	15.4	17.4	19.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
14.9*	4.5	4.6	4.7	4.7
18.6	5.6	5.8	5.8	5.9
22.2	6.7	6.9	7.0	7.1
25.9	7.8	8.0	8.2	8.2
29.6	8.9	9.2	9.3	9.4
32.0**	9.6	9.9	10.1	10.2
33.3	10.0	10.3	10.5	10.6
37.0	11.1	11.4	11.6	11.8
40.6	12.2	12.5	12.8	13.0
44.3	13.3	13.7	14.0	14.2
48.0	14.3	14.8	15.2	15.5

* Minimum operating weight

** Maximum takeoff weight

B-1B Lancer
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
189.0*	19.7	20.7	23.2	30.1
247.5	27.1	29.1	33.1	44.8
306.0	35.7	38.4	45.3	60.8
364.5	44.6	48.6	59.0	76.9
423.0	53.9	59.6	73.9	93.4
477.0**	63.3	72.1	88.4	108.5
481.5	64.1	73.1	89.7	109.8
540.0	75.8	86.7	106.0	126.0
598.5	87.4	101.5	122.8	142.2
657.0	101.7	117.1	139.5	156.9
715.5	115.6	133.0	156.0	173.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
189.0*	19.7	22.4	26.1	29.7
247.5	27.5	32.0	37.5	42.6
306.0	36.1	42.8	50.2	56.7
364.5	45.7	54.6	64.0	71.6
423.0	56.3	67.4	78.6	87.3
477.0**	66.9	80.1	92.8	102.5
481.5	67.8	81.2	94.0	103.8
540.0	80.0	95.7	110.1	120.9
598.5	93.1	110.9	127.0	138.5
657.0	106.9	126.8	144.4	156.7
715.5	121.6	143.5	162.3	175.3

* Minimum operating weight

** Maximum takeoff weight

B-2 Spirit
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
110.0*	10.6	11.0	12.0	14.4
153.9	15.5	16.4	18.4	23.6
197.7	21.1	22.6	25.4	34.3
241.6	26.9	29.2	34.0	45.9
285.4	33.5	36.4	43.6	57.9
329.3**	40.3	44.1	54.1	69.8
336.5	41.5	45.4	56.0	71.8
373.2	47.4	53.4	65.5	82.0
417.0	54.8	62.8	77.3	94.1
460.9	63.7	72.8	89.5	106.2
504.8	72.0	84.0	101.8	118.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
110.0*	10.7	11.8	13.4	15.2
153.9	15.8	17.9	20.8	23.8
197.7	21.4	24.9	29.3	33.2
241.6	27.7	32.8	38.5	43.5
285.4	34.7	41.4	48.5	54.3
329.3**	42.3	50.6	59.0	65.7
336.5	43.6	52.2	60.8	67.6
373.2	50.5	60.5	70.1	77.6
417.0	59.3	70.9	81.7	90.0
460.9	68.6	81.8	93.8	102.7
504.8	78.5	93.2	106.3	115.8

* Minimum operating weight

** Maximum takeoff weight

B-52H Stratofortress
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
230.0*	27.6	29.2	32.2	39.2
285.8	35.9	38.4	42.9	51.9
341.6	45.3	48.4	54.3	65.7
397.3	54.5	58.9	66.3	79.8
453.1	64.9	70.1	79.9	94.5
488.0**	71.8	77.3	88.0	103.9
508.9	75.5	81.6	92.8	109.7
564.7	86.7	93.7	104.7	125.4
620.4	98.3	106.1	119.8	142.1
676.2	110.2	118.8	134.1	158.8
732.0	122.7	133.8	148.5	175.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
230.0*	36.1	40.5	45.2	49.4
285.8	47.9	53.9	60.1	65.3
341.6	60.6	68.3	76.0	82.2
397.3	74.2	83.6	92.7	99.8
453.1	88.6	99.7	110.2	118.2
488.0**	97.9	110.1	121.5	129.9
508.9	103.7	116.5	128.4	137.1
564.7	119.5	134.0	147.1	156.5
620.4	136.0	152.1	166.4	176.5
676.2	153.0	170.8	186.2	196.9
732.0	170.6	190.0	206.5	217.7

* Minimum operating weight

** Maximum takeoff weight

BAC 1-11 Series 40
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.8*	11.3	11.7	13	14.6
26.2	14	14.8	16.4	17.9
30.6	16.9	18.1	19.8	21.2
35	19.9	21.5	23.2	24.6
39.5	23.1	25	26.7	27.6
41.1**	24.3	26.3	27.9	28.8
43.9	26.4	28.6	30.2	31
48.3	29.7	32.2	33.6	34.4
52.7	33.8	35.8	37.1	37.7
57.2	37.5	39.3	40.6	41.1
61.6	41.1	42.9	44	44.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.8*	13.3	14	14.6	14.9
26.2	16.6	17.4	18.1	18.4
30.6	19.9	21	21.7	22
35	23.5	24.6	25.4	25.7
39.5	27.1	28.3	29.1	29.5
41.1**	28.4	29.7	30.5	30.8
43.9	30.8	32.1	33	33.3
48.3	34.6	36	36.9	37.2
52.7	38.4	39.9	40.8	41.1
57.2	42.4	43.9	44.8	45.1
61.6	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 300/400

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
21.8*	11.3	11.7	13	14.6
26.2	14	14.8	16.4	17.9
30.6	16.9	18.1	19.8	21.2
35	19.9	21.5	23.2	24.6
39.5	23.1	25	26.7	27.6
41.1**	24.3	26.3	27.9	28.8
43.9	26.4	28.6	30.2	31
48.3	29.7	32.2	33.6	34.4
52.7	33.8	35.8	37.1	37.7
57.2	37.5	39.3	40.6	41.1
61.6	41.1	42.9	44	44.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
21.8*	13.3	14	14.6	14.9
26.2	16.6	17.4	18.1	18.4
30.6	19.9	21	21.7	22
35	23.5	24.6	25.4	25.7
39.5	27.1	28.3	29.1	29.5
41.1**	28.4	29.7	30.5	30.8
43.9	30.8	32.1	33	33.3
48.3	34.6	36	36.9	37.2
52.7	38.4	39.9	40.8	41.1
57.2	42.4	43.9	44.8	45.1
61.6	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAC 1-11 Series 475

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.8*	11.3	11.7	13	14.6
26.2	14	14.8	16.4	17.9
30.6	16.9	18.1	19.8	21.2
35	19.9	21.5	23.2	24.6
39.5	23.1	25	26.7	27.6
41.1**	24.3	26.3	27.9	28.8
43.9	26.4	28.6	30.2	31
48.3	29.7	32.2	33.6	34.4
52.7	33.8	35.8	37.1	37.7
57.2	37.5	39.3	40.6	41.1
61.6	41.1	42.9	44	44.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.8*	13.3	14	14.6	14.9
26.2	16.6	17.4	18.1	18.4
30.6	19.9	21	21.7	22
35	23.5	24.6	25.4	25.7
39.5	27.1	28.3	29.1	29.5
41.1**	28.4	29.7	30.5	30.8
43.9	30.8	32.1	33	33.3
48.3	34.6	36	36.9	37.2
52.7	38.4	39.9	40.8	41.1
57.2	42.4	43.9	44.8	45.1
61.6	46.4	48	49	49.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-37 GULFSTREAM V which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**BAC 1-11 Series 500
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
62.2*	13.5	13.9	15.4	17.8
73.6	16.2	16.9	19.1	21.8
85	19.8	20.1	22.8	25.7
96.5	22.8	23.4	26.8	29.7
107.9	25.9	27.1	30.8	33.6
110**	26.5	27.8	31.5	34.3
119.3	29.1	30.8	34.8	37.6
130.7	32.6	34.7	38.8	41.5
142.2	36.1	38.7	42.8	45.5
153.6	39.7	42.5	46.8	49.5
165	43.4	46.5	50.9	53.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
62.2*	14.8	15.9	16.9	17.5
73.6	18.1	19.5	20.6	21.3
85	21.5	23.1	24.3	25.1
96.5	25	26.8	28.2	29.1
107.9	28.7	30.7	32.2	33.1
110**	29.4	31.5	32.9	33.8
119.3	32.4	34.6	36.2	37.1
130.7	36.2	38.6	40.3	41.3
142.2	40.1	42.7	44.5	45.5
153.6	44.1	46.8	48.8	49.7
165	48.2	51.1	53.1	54.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-9A/C NIGTHINGALE which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

BAE (HS) Hawk T MK1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.6*	2.9	3.0	3.0	3.1
9.6	3.7	3.8	3.8	3.9
11.6	4.4	4.6	4.6	4.7
13.6	5.2	5.4	5.4	5.5
15.6	6.0	6.2	6.2	6.3
17.1**	6.5	6.8	6.7	6.9
17.6	6.7	7.0	7.0	7.1
19.6	7.5	7.8	7.7	7.9
21.6	8.3	8.6	8.5	8.7
23.6	9.0	9.3	9.3	9.5
25.6	9.8	10.1	10.1	10.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
7.6*	2.8	2.9	2.9	2.9
9.6	3.6	3.7	3.7	3.7
11.6	4.4	4.4	4.5	4.5
13.6	5.1	5.2	5.3	5.2
15.6	5.9	6.0	6.0	6.0
17.1**	6.4	6.6	6.6	6.6
17.6	6.6	6.8	6.8	6.8
19.6	7.4	7.5	7.6	7.6
21.6	8.2	8.3	8.4	8.4
23.6	8.9	9.1	9.1	9.1
25.6	9.7	9.8	9.9	9.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
51.3*	10.3	10.6	11.6	13.6
61.9	12.8	13.3	14.5	17.1
72.4	15.1	15.9	17.8	20.8
83	17.7	18.7	21.1	24.4
93.5	20.6	21.6	24.5	28.1
97.5**	21.7	22.7	25.8	29.5
104.1	23.4	24.6	28	31.8
114.6	26.2	27.8	31.7	35.4
125.2	29.2	31.1	35.4	39.1
135.7	32.1	34.4	39.2	42.7
146.3	35.2	37.8	42.9	46.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
51.3*	10.8	11.8	12.7	13.4
61.9	13.5	14.8	15.8	16.6
72.4	16.3	17.8	19	19.9
83	19.2	20.9	22.3	23.3
93.5	22.2	24.1	25.7	26.7
97.5**	23.3	25.4	27	28
104.1	25.2	27.4	29.1	30.3
114.6	28.4	30.8	32.7	33.8
125.2	31.6	34.2	36.2	37.5
135.7	34.9	37.7	39.9	41.2
146.3	38.2	41.3	43.5	44.9

* Minimum operating weight

** Maximum takeoff weight

BAE 146-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
53.7*	10.8	11.3	12.3	14.4
64.7	13.4	14	15.3	18.2
75.8	15.8	16.8	18.8	22
86.8	18.7	19.7	22.3	25.8
97.9	21.8	22.8	25.9	29.6
102.1**	22.9	24	27.3	31.1
108.9	24.7	25.9	29.7	33.5
120	27.7	29.5	33.6	37.3
131	30.8	32.9	37.5	41.1
142.1	34	36.4	41.5	44.9
153.1	37.2	40	45.4	48.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
53.7*	11.4	12.5	13.4	14.1
64.7	14.3	15.6	16.7	17.5
75.8	17.2	18.8	20.1	21
86.8	20.3	22.1	23.6	24.5
97.9	23.4	25.5	27.1	28.2
102.1**	24.7	26.8	28.5	29.6
108.9	26.7	28.9	30.8	31.9
120	30	32.5	34.5	35.7
131	33.4	36.1	38.2	39.5
142.1	36.9	39.8	42.1	43.4
153.1	40.5	43.6	46	47.3

* Minimum operating weight

** Maximum takeoff weight

**BAE Buccaneer S MK 2A & 3B
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.9*	14.0	13.5	13.3	13.1
37.3	16.8	16.3	16.1	15.9
43.8	19.7	19.2	18.9	18.6
50.2	22.6	22.0	21.7	21.4
56.7	25.5	24.8	24.5	24.1
59.3**	26.7	26.0	25.6	25.2
63.2	28.4	27.6	27.2	26.9
69.6	31.3	30.5	30.0	29.6
76.1	34.3	33.3	32.8	32.4
82.5	37.2	36.1	35.6	35.1
89.0	40.1	38.9	38.4	37.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
30.9*	14.4	14.4	14.3	14.1
37.3	17.5	17.5	17.3	17.0
43.8	20.6	20.6	20.4	20.0
50.2	23.6	23.6	23.4	23.0
56.7	26.7	26.7	26.4	26.0
59.3**	28.0	28.0	27.7	27.2
63.2	29.8	29.8	29.5	28.9
69.6	32.9	32.9	32.5	31.9
76.1	36.0	36.0	35.6	34.9
82.5	39.1	39.1	38.6	37.9
89.0	42.2	42.2	41.7	40.9

* Minimum operating weight

** Maximum takeoff weight

BAE Jetstream T MK3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.3*	2.4	2.9	3.4	3.6
10.9	2.8	3.4	3.9	4.2
12.4	3.2	3.9	4.5	4.7
13.9	3.6	4.4	5.0	5.3
15.3	4.0	4.8	5.6	5.9
15.4**	4.0	4.8	5.6	5.9
16.9	4.4	5.3	6.1	6.5
18.4	4.8	5.8	6.7	7.1
19.9	5.2	6.3	7.2	7.6
21.5	5.6	6.7	7.8	8.2
23.0	6.0	7.2	8.3	8.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.3*	2.8	3.0	3.0	3.1
10.9	3.3	3.4	3.5	3.6
12.4	3.7	3.9	4.0	4.1
13.9	4.2	4.4	4.5	4.6
15.3	4.6	4.8	5.0	5.1
15.4**	4.6	4.9	5.0	5.1
16.9	5.1	5.3	5.5	5.6
18.4	5.5	5.8	6.0	6.1
19.9	6.0	6.3	6.5	6.6
21.5	6.4	6.7	7.0	7.1
23.0	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

**BAE Nimrod R MK1-MR MK2
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
91.3*	11.1	11.9	13.7	16.1
113.2	14.1	16.0	18.1	21.2
135.2	18.2	20.4	22.8	26.5
157.1	22.2	24.9	27.6	32.5
179.0	27.2	29.5	32.6	38.5
192.4**	30.0	32.4	35.7	42.3
200.9	31.8	34.3	37.7	44.7
222.9	36.7	39.2	43.1	50.9
244.8	41.7	44.3	48.5	57.1
266.7	46.7	49.4	54.1	63.4
288.6	51.8	54.8	59.9	69.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
91.3*	12.1	13.7	15.7	17.4
113.2	16.0	18.4	21.0	23.2
135.2	20.4	23.6	26.7	29.2
157.1	25.2	29.1	32.7	35.6
179.0	30.4	34.9	39.1	42.3
192.4**	33.7	38.7	43.2	46.5
200.9	35.9	41.1	45.8	49.2
222.9	41.7	47.6	52.7	56.3
244.8	47.9	54.4	59.9	63.7
266.7	54.4	61.4	67.3	71.3
288.6	61.1	68.7	75.0	79.2

* Minimum operating weight

** Maximum takeoff weight

BAE Pembroke C MK1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.2*	1.1	1.5	2.0	2.4
11.3	1.2	1.7	2.2	2.8
12.4	1.4	1.9	2.5	3.1
13.5	1.5	2.1	2.8	3.4
13.5	1.5	2.1	2.8	3.4
14.6**	1.7	2.3	3.1	3.8
15.8	1.8	2.5	3.4	4.1
16.9	2.0	2.7	3.7	4.5
18.0	2.2	3.0	4.1	4.8
19.1	2.4	3.2	4.4	5.2
20.2	2.6	3.5	4.7	5.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10.2*	1.6	1.9	2.0	2.2
11.3	1.9	2.1	2.3	2.5
12.4	2.1	2.4	2.6	2.8
13.5	2.3	2.6	2.9	3.1
13.5	2.3	2.6	2.9	3.1
14.6**	2.6	2.9	3.2	3.4
15.8	2.8	3.2	3.5	3.7
16.9	3.1	3.4	3.8	4.0
18.0	3.3	3.7	4.1	4.3
19.1	3.6	4.0	4.4	4.6
20.2	3.9	4.3	4.7	4.9

* Minimum operating weight

** Maximum takeoff weight

BAE146-100
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
46.7*	9.2	9.5	10.4	12.1
55.3	11.3	11.7	12.7	14.9
63.9	13.2	13.7	15.1	17.8
72.4	15.1	15.9	17.8	20.8
81.0	17.2	18.1	20.5	23.8
82.7**	17.6	18.6	21.0	24.3
89.6	19.5	20.5	23.2	26.8
98.2	21.9	22.9	26.0	29.8
106.8	24.1	25.3	29.0	32.7
115.4	26.5	28.1	32.0	35.7
124.0	28.9	30.7	35.0	38.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
46.7*	9.7	10.6	11.4	12.0
55.3	11.8	12.9	13.9	14.6
63.9	14.0	15.3	16.4	17.2
72.4	16.3	17.8	19.0	19.9
81.0	18.7	20.3	21.7	22.7
82.7**	19.1	20.8	22.2	23.2
89.6	21.1	22.9	24.5	25.4
98.2	23.5	25.6	27.2	28.3
106.8	26.1	28.3	30.1	31.2
115.4	28.6	31.0	32.9	34.1
124.0	31.2	33.8	35.8	37.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-120B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
127.5*	12.6	12.9	14.5	18.1
156.2	15.7	16.4	18.9	24.2
185.0	19.3	20.5	23.6	30.8
213.7	23.1	24.6	28.6	37.7
242.4	26.8	29.2	34.6	45.0
257.3**	28.9	31.5	37.6	49.0
271.1	30.8	33.9	40.6	52.7
299.8	34.9	39.0	47.1	60.6
328.6	39.9	44.3	53.7	68.5
357.3	44.5	49.7	60.6	76.5
386.0	49.4	55.5	67.7	84.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
127.5*	11.9	13.2	15.3	17.6
156.2	14.9	17.0	20.0	23.2
185.0	18.2	21.2	25.2	29.0
213.7	21.8	25.8	30.8	35.3
242.4	25.6	30.6	36.6	41.9
257.3**	27.6	33.3	39.7	45.5
271.1	29.6	35.8	42.8	48.8
299.8	33.9	41.3	49.2	55.9
328.6	38.6	47.1	55.9	63.2
357.3	43.5	53.1	62.9	70.8
386.0	48.5	59.4	70.1	78.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
142.8*	14.0	14.6	16.4	20.6
181.4	18.6	19.5	22.4	29.2
220.1	23.4	25.2	29.0	38.2
258.7	28.5	31.2	36.8	48.1
297.3	33.9	37.5	45.1	58.5
327.0**	38.7	43.0	51.9	66.5
336.0	40.1	44.6	53.9	68.9
374.6	46.3	51.8	63.1	79.5
413.2	53.0	60.3	72.7	90.2
451.9	59.9	68.9	82.5	100.9
490.5	67.0	77.8	92.8	111.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
142.8*	13.5	15.1	17.5	20.2
181.4	17.8	20.5	24.2	27.8
220.1	22.5	26.5	31.5	36.1
258.7	27.7	33.1	39.4	45.0
297.3	33.4	40.2	47.8	54.3
327.0**	38.0	46.1	54.6	61.6
336.0	39.5	47.9	56.7	63.9
374.6	46.1	56.0	66.1	74.0
413.2	53.0	64.5	75.7	84.5
451.9	60.4	73.4	85.8	95.3
490.5	68.3	82.9	96.2	106.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-320C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
135.3*	13.4	13.9	15.6	19.5
175.9	18.2	19.1	21.9	28.5
216.4	23.3	25.1	29.0	38.1
257.0	28.9	31.6	37.3	48.7
297.6	34.6	38.4	46.2	59.7
333.6**	40.5	45.1	54.5	69.6
338.1	41.3	46.0	55.6	70.9
378.7	47.9	53.7	65.5	82.3
419.3	55.2	63.0	75.7	93.6
459.8	62.5	72.3	86.4	104.9
500.4	70.4	81.8	97.4	116.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
135.3*	12.9	14.4	16.7	19.2
175.9	17.5	20.1	23.7	27.2
216.4	22.5	26.5	31.4	36.0
257.0	28.0	33.5	39.8	45.5
297.6	34.0	41.1	48.9	55.4
333.6**	39.9	48.5	57.3	64.6
338.1	40.7	49.4	58.4	65.8
378.7	47.8	58.1	68.4	76.7
419.3	55.3	67.3	78.9	87.9
459.8	63.4	77.1	89.8	99.5
500.4	71.9	87.1	101.1	111.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 707-420
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
158.7*	15.5	16.1	18.4	23.7
193.1	19.5	20.5	23.8	31.3
227.4	23.8	25.6	29.8	39.5
261.8	28.4	30.7	36.8	48.1
296.2	32.9	36.4	44.0	57.1
312.0**	35.2	39.2	47.5	61.4
330.5	38.4	42.5	51.6	66.4
364.9	43.6	48.7	59.7	75.6
399.3	49.3	56.1	67.9	85.0
433.6	55.1	63.5	76.4	94.4
468.0	61.1	71.1	85.1	103.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
158.7*	14.4	16.4	19.3	22.4
193.1	18.1	21.2	25.2	29.2
227.4	22.2	26.4	31.7	36.5
261.8	26.5	32.1	38.5	44.2
296.2	31.3	38.1	45.7	52.2
312.0**	33.6	41.1	49.2	56.0
330.5	36.4	44.7	53.3	60.6
364.9	41.9	51.5	61.4	69.3
399.3	47.7	58.7	69.6	78.2
433.6	53.8	66.2	78.2	87.5
468.0	60.2	74.2	87.1	96.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 717-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
68.5*	15.8	16.1	18.0	20.7
81.1	19.2	19.7	22.2	25.2
93.6	22.8	23.4	26.6	29.8
106.2	26.4	27.2	31.1	34.2
118.7	30.0	31.7	35.6	38.7
121.0**	30.7	32.4	36.5	39.5
131.3	33.8	35.8	40.3	43.2
143.8	37.7	40.5	44.9	47.8
156.4	41.7	45.4	49.6	52.3
168.9	45.9	50.2	54.2	56.9
181.5	51.1	54.7	58.8	61.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
68.5*	17.3	18.7	19.7	20.4
81.1	21.2	22.8	24.0	24.8
93.6	25.2	27.0	28.4	29.2
106.2	29.4	31.4	32.9	33.8
118.7	33.6	35.9	37.5	38.5
121.0**	34.4	36.7	38.4	39.3
131.3	38.0	40.4	42.2	43.2
143.8	42.4	45.1	47.0	48.0
156.4	47.0	49.9	51.9	52.9
168.9	51.6	54.7	56.8	57.8
181.5	56.4	59.6	61.8	62.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 720
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
110.8*	11.1	11.3	12.8	16.4
136.7	14.1	14.6	16.9	22.2
162.6	17.4	18.4	21.4	28.6
188.5	20.8	22.2	26.7	35.4
214.4	24.4	26.2	32.1	42.6
229.3**	26.5	28.9	35.4	46.7
240.3	28.2	30.9	38.0	49.7
266.2	32.0	35.7	44.2	57.0
292.1	36.6	40.7	50.6	64.3
318.0	41.0	46.7	57.4	71.5
344.0	45.4	52.7	64.2	79.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
110.8*	10.0	11.4	13.5	15.7
136.7	12.7	15.0	17.9	20.9
162.6	15.7	18.9	22.8	26.5
188.5	19.0	23.2	28.0	32.4
214.4	22.6	27.8	33.6	38.6
229.3**	24.8	30.7	37.0	42.2
240.3	26.5	32.8	39.5	45.0
266.2	30.7	38.0	45.6	51.8
292.1	35.0	43.6	52.0	58.7
318.0	39.8	49.4	58.7	65.8
344.0	44.7	55.4	65.5	73.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 720B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
115.0*	11.3	11.6	13.1	16.8
141.3	14.3	14.8	17.2	22.6
167.5	17.6	18.6	21.6	29.0
193.8	21.0	22.4	26.9	35.7
220.1	24.5	26.4	32.3	42.8
234.3**	26.5	28.9	35.4	46.7
246.4	28.3	31.1	38.2	49.9
272.6	32.1	35.8	44.4	57.1
298.9	36.7	40.7	50.7	64.4
325.2	41.1	46.7	57.5	71.6
351.5	45.4	52.7	64.2	79.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
115.0*	10.1	11.6	13.8	16.1
141.3	12.9	15.2	18.2	21.2
167.5	15.9	19.1	23.1	26.8
193.8	19.2	23.4	28.3	32.7
220.1	22.8	28.0	33.8	38.8
234.3**	24.8	30.7	37.0	42.2
246.4	26.6	32.9	39.7	45.2
272.6	30.7	38.2	45.7	51.9
298.9	35.1	43.7	52.1	58.8
325.2	39.8	49.4	58.7	65.9
351.5	44.7	55.4	65.6	73.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-100/100C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
87.7*	19.6	19.7	21.7	24.9
106.1	24.3	24.6	27.3	31.5
124.5	29.0	29.6	33.3	38.1
143.0	34.0	34.9	39.5	44.8
161.4	39.3	40.4	45.9	51.4
169.0**	41.5	43.2	48.7	54.1
179.8	44.6	46.7	52.6	57.9
198.2	50.0	52.6	59.3	64.5
216.7	55.3	58.6	66.1	71.2
235.1	61.0	65.2	72.9	77.9
253.5	66.8	72.3	79.7	84.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
87.7*	20.5	22.2	23.7	24.7
106.1	25.7	27.8	29.6	30.8
124.5	31.1	33.6	35.7	37.0
143.0	36.7	39.6	41.9	43.4
161.4	42.4	45.8	48.3	49.9
169.0**	44.9	48.4	51.0	52.6
179.8	48.4	52.1	54.9	56.5
198.2	54.5	58.5	61.6	63.3
216.7	60.7	65.1	68.3	70.1
235.1	67.1	71.8	75.3	77.1
253.5	73.5	78.6	82.3	84.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 727-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
101.4*	23.1	23.6	25.7	29.4
125.1	29.1	30.0	33.1	37.8
148.7	35.7	37.4	41.1	46.2
172.4	42.3	45.0	49.4	54.5
196.0	50.0	52.8	57.9	62.9
209.5**	53.5	57.2	62.9	67.7
219.7	56.7	60.7	66.5	71.3
243.3	64.9	69.2	75.1	79.8
267.0	72.6	78.0	83.8	88.3
290.6	80.7	86.9	92.5	96.8
314.3	88.9	95.9	101.3	105.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
101.4*	25.7	27.5	29.0	29.9
125.1	32.9	35.2	37.0	38.1
148.7	40.5	43.2	45.3	46.5
172.4	48.3	51.4	53.8	55.1
196.0	56.4	59.9	62.5	63.8
209.5**	61.1	64.8	67.5	68.9
219.7	64.7	68.6	71.4	72.8
243.3	73.1	77.5	80.5	81.9
267.0	81.9	86.5	89.7	91.1
290.6	90.8	95.8	99.1	100.6
314.3	99.8	105.2	108.7	110.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 7
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
95.0*	21.3	21.7	23.6	26.9
114.0	26.1	26.7	29.4	33.7
133.1	31.1	32.5	35.5	40.4
152.1	36.3	38.1	41.9	47.0
171.1	41.6	44.2	48.6	53.7
177.5**	43.4	46.3	50.8	56.0
190.1	47.2	50.4	55.4	60.4
209.2	53.0	56.7	62.2	67.1
228.2	59.6	63.2	69.1	73.8
247.2	65.7	70.0	76.0	80.6
266.3	71.8	77.1	82.9	87.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
95.0*	23.6	25.3	26.7	27.6
114.0	29.3	31.3	33.0	34.0
133.1	35.2	37.6	39.5	40.6
152.1	41.3	44.0	46.1	47.3
171.1	47.5	50.6	52.9	54.2
177.5**	49.6	52.8	55.2	56.6
190.1	53.9	57.3	59.9	61.2
209.2	60.5	64.2	66.9	68.3
228.2	67.2	71.2	74.1	75.5
247.2	74.0	78.4	81.4	82.8
266.3	81.0	85.6	88.7	90.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 8
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
95.0*	21.5	21.9	23.3	27.0
114.7	26.5	27.3	29.6	33.9
134.5	31.9	32.9	35.9	40.9
154.2	37.3	39.1	42.7	47.9
173.9	42.9	45.3	49.7	54.9
181.7**	45.1	47.8	52.5	57.7
193.6	48.7	51.8	56.8	62.0
213.4	54.6	58.5	64.0	69.0
233.1	60.7	65.4	71.2	76.0
252.8	67.9	72.6	78.3	82.9
272.6	74.3	79.8	85.6	89.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
95.0*	24.5	26.0	27.3	28.2
114.7	30.5	32.5	34.0	34.9
134.5	36.8	39.1	40.9	41.9
154.2	43.3	46.0	47.9	49.0
173.9	50.0	53.0	55.1	56.3
181.7**	52.7	55.8	58.0	59.2
193.6	56.9	60.1	62.5	63.7
213.4	63.8	67.4	70.0	71.2
233.1	71.0	74.9	77.5	78.7
252.8	78.3	82.4	85.2	86.5
272.6	85.7	90.1	93.1	94.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 9
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
95.0*	21.8	22.3	23.6	27.3
117.0	27.6	28.3	30.6	35.2
139.0	33.6	34.6	38.0	43.1
160.9	39.8	41.8	45.7	50.9
182.9	46.1	49.1	53.6	58.7
195.2**	49.7	53.2	58.1	63.1
204.9	53.4	56.5	61.7	66.6
226.9	60.5	64.1	69.8	74.4
248.8	67.6	72.1	77.9	82.1
270.8	74.8	80.4	85.9	90.0
292.8	82.5	88.7	94.0	97.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
95.0*	24.7	26.3	27.6	28.5
117.0	31.6	33.6	35.1	36.1
139.0	38.7	41.1	42.9	44.0
160.9	46.1	48.9	50.9	52.0
182.9	53.7	56.8	59.1	60.3
195.2**	58.1	61.4	63.8	65.0
204.9	61.5	65.0	67.5	68.7
226.9	69.6	73.4	76.0	77.1
248.8	77.7	81.8	84.6	85.8
270.8	86.1	90.5	93.5	94.6
292.8	94.6	99.3	102.3	103.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737 Max 10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
160.0*	39.7	41.8	45.6	50.7
175.3	44.2	46.8	51.1	56.1
190.6	48.7	52.0	56.7	61.6
198.4	51.1	54.6	59.6	64.4
205.9	53.5	57.2	62.4	67.0
221.2**	58.3	62.5	68.0	72.6
236.4	63.9	67.9	73.6	78.0
251.7	69.0	73.6	79.3	83.5
267.0	74.0	79.4	84.9	89.0
282.3	79.3	85.2	90.6	94.4
297.6	84.7	91.0	96.2	99.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
160.0*	46.2	49.0	51.0	52.0
175.3	51.5	54.5	56.7	57.8
190.6	57.0	60.2	62.5	63.6
198.4	59.8	63.1	65.5	66.6
205.9	62.5	65.9	68.4	69.5
221.2**	68.1	71.8	74.3	75.5
236.4	73.8	77.7	80.3	81.5
251.7	79.6	83.7	86.4	87.6
267.0	85.4	89.7	92.6	93.8
282.3	91.4	95.9	98.8	99.9
297.6	97.4	102.1	105.1	106.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-100
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
62.0*	12.9	13.1	14.1	16.3
73.4	15.4	15.8	17.4	20.1
84.9	18.3	18.7	20.8	24.0
96.3	21.2	21.7	24.3	28.0
107.8	24.2	24.7	27.9	31.9
110.0**	24.8	25.4	28.7	32.7
119.2	27.5	28.0	31.6	35.9
130.7	30.5	31.2	35.5	39.9
142.1	33.5	34.9	39.5	43.8
153.6	36.7	38.4	43.5	47.8
165.0	39.9	42.0	47.6	51.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
62.0*	13.5	14.7	15.7	16.4
73.4	16.5	17.9	19.1	19.9
84.9	19.6	21.2	22.6	23.5
96.3	22.8	24.6	26.2	27.2
107.8	26.1	28.2	29.8	31.0
110.0**	26.7	28.8	30.6	31.7
119.2	29.4	31.7	33.6	34.8
130.7	32.8	35.4	37.4	38.6
142.1	36.4	39.1	41.3	42.6
153.6	39.9	42.9	45.2	46.6
165.0	43.5	46.8	49.2	50.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
54.9*	11.2	11.3	12.1	13.8
68.0	14.0	14.4	15.7	18.0
81.0	17.0	17.5	19.4	22.5
94.1	20.4	20.9	23.3	26.9
107.2	23.9	24.3	27.4	31.4
115.0**	26.0	26.5	29.9	34.1
120.2	27.4	27.9	31.6	35.9
133.3	30.8	31.6	36.0	40.4
146.4	34.3	35.8	40.6	44.9
159.4	38.0	39.8	45.1	49.4
172.5	41.6	43.9	49.6	53.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
54.9*	11.6	12.6	13.5	14.1
68.0	14.9	16.2	17.3	18.0
81.0	18.4	19.9	21.2	22.1
94.1	21.9	23.7	25.2	26.2
107.2	25.6	27.7	29.4	30.4
115.0**	27.9	30.1	31.9	33.0
120.2	29.4	31.7	33.6	34.8
133.3	33.3	35.9	37.9	39.2
146.4	37.3	40.2	42.3	43.6
159.4	41.4	44.5	46.8	48.2
172.5	45.5	48.9	51.4	52.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-200ADV/-200C/-200QC
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
65.3*	14.0	14.1	15.2	17.5
79.4	17.2	17.6	19.4	22.3
93.5	20.8	21.3	23.6	27.2
107.6	24.4	25.0	28.0	32.0
121.7	28.1	28.8	32.7	36.9
128.1**	29.7	31.1	34.9	39.2
135.8	31.9	33.6	37.5	41.8
149.9	35.8	38.2	42.5	46.7
164.0	39.9	42.5	47.4	51.5
178.1	44.1	47.1	52.4	56.3
192.2	48.3	52.1	57.4	61.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
65.3*	15.1	16.2	17.2	17.9
79.4	19.0	20.4	21.6	22.4
93.5	23.0	24.7	26.1	27.0
107.6	27.2	29.2	30.8	31.7
121.7	31.6	33.8	35.5	36.6
128.1**	33.6	35.9	37.7	38.8
135.8	36.0	38.5	40.4	41.5
149.9	40.5	43.3	45.3	46.5
164.0	45.2	48.1	50.3	51.6
178.1	49.9	53.1	55.5	56.7
192.2	54.7	58.2	60.6	61.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
72.5*	15.4	15.8	17.0	19.7
87.7	19.3	19.8	21.6	24.8
102.9	23.2	23.9	26.3	30.0
118.1	27.1	28.3	31.2	35.2
133.3	31.1	32.9	36.2	40.4
139.5**	32.8	34.9	38.4	42.6
148.5	35.4	37.7	41.5	45.6
163.7	39.8	42.6	46.8	50.8
178.9	44.9	47.5	52.1	56.0
194.1	48.9	52.6	57.4	61.2
209.3	54.1	58.0	62.8	66.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
72.5*	17.4	18.6	19.6	20.3
87.7	21.7	23.2	24.4	25.2
102.9	26.3	28.0	29.4	30.3
118.1	30.9	33.0	34.6	35.5
133.3	35.7	38.0	39.8	40.8
139.5**	37.7	40.1	42.0	43.0
148.5	40.7	43.2	45.1	46.2
163.7	45.7	48.5	50.6	51.6
178.9	50.9	53.9	56.1	57.2
194.1	56.1	59.4	61.7	62.8
209.3	61.5	65.0	67.4	68.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-400
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
85.2*	19.4	19.9	21.7	24.9
100.7	23.5	24.1	26.6	30.4
116.3	27.6	28.9	31.8	35.9
131.8	31.9	33.8	37.2	41.4
147.3	36.5	38.9	42.8	46.9
150.0**	37.3	39.8	43.7	47.8
162.9	41.1	44.0	48.3	52.4
178.4	45.9	49.3	54.0	57.8
193.9	50.7	54.8	59.6	63.3
209.5	56.4	60.5	65.3	68.8
225.0	61.7	66.4	70.9	74.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
85.2*	21.8	23.3	24.5	25.3
100.7	26.6	28.4	29.8	30.7
116.3	31.6	33.7	35.2	36.2
131.8	36.7	39.0	40.8	41.8
147.3	41.9	44.5	46.5	47.5
150.0**	42.8	45.5	47.5	48.5
162.9	47.3	50.2	52.2	53.3
178.4	52.8	55.9	58.1	59.2
193.9	58.4	61.7	64.1	65.2
209.5	64.1	67.7	70.1	71.2
225.0	69.9	73.7	76.2	77.3

* Minimum operating weight

** Maximum takeoff weight

**Boeing 737-500
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
69.0*	14.9	15.1	16.4	18.8
84.0	18.4	18.9	20.9	24.0
99.0	22.3	23.0	25.5	29.2
114.0	26.4	27.6	30.4	34.4
129.0	30.5	31.6	35.4	39.6
136.0**	32.3	34.2	37.9	42.1
144.0	34.6	36.7	40.7	44.9
159.0	38.9	41.6	45.9	50.1
174.0	43.4	46.6	51.2	55.3
189.0	47.9	51.8	56.5	60.5
204.0	53.1	57.1	61.8	65.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
69.0*	16.5	17.7	18.7	19.4
84.0	20.8	22.3	23.5	24.3
99.0	25.3	27.0	28.4	29.3
114.0	29.9	31.9	33.5	34.5
129.0	34.6	36.9	38.7	39.7
136.0**	36.9	39.3	41.2	42.2
144.0	39.5	42.1	44.0	45.1
159.0	44.5	47.3	49.4	50.5
174.0	49.6	52.7	54.9	56.1
189.0	54.8	58.1	60.5	61.7
204.0	60.2	63.7	66.1	67.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-600
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
80.2*	17.1	17.4	18.6	21.4
95.4	20.9	21.4	23.1	26.5
110.5	24.7	25.3	27.7	31.7
125.7	28.5	29.3	32.3	37.0
140.9	32.5	34.0	37.2	42.2
144.5**	33.5	35.1	38.4	43.4
156.1	36.6	38.5	42.3	47.4
171.2	40.8	43.2	47.5	52.6
186.4	45.0	48.1	52.8	57.9
201.6	50.2	53.0	58.1	63.1
216.8	54.1	57.9	63.5	68.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
80.2*	19.0	20.3	21.5	22.2
95.4	23.2	24.9	26.2	27.1
110.5	27.6	29.6	31.1	32.1
125.7	32.2	34.4	36.1	37.2
140.9	36.8	39.3	41.3	42.4
144.5**	38.0	40.5	42.5	43.7
156.1	41.6	44.4	46.5	47.7
171.2	46.5	49.5	51.8	53.1
186.4	51.5	54.8	57.2	58.6
201.6	56.5	60.1	62.7	64.1
216.8	61.7	65.5	68.2	69.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-700/700C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	17.7	18.1	19.4	22.3
99.5	22.0	22.5	24.4	27.9
116.1	26.1	26.7	29.4	33.6
132.6	30.3	31.6	34.5	39.4
149.1	34.8	36.4	40.0	45.1
154.5**	36.2	38.0	41.8	46.9
165.6	39.3	41.5	45.6	50.7
182.2	43.8	46.7	51.3	56.4
198.7	49.3	52.1	57.1	62.2
215.2	53.7	57.4	63.0	67.9
231.8	59.3	63.0	68.9	73.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	19.8	21.1	22.3	23.1
99.5	24.4	26.1	27.6	28.5
116.1	29.3	31.3	32.9	34.0
132.6	34.3	36.6	38.5	39.6
149.1	39.4	42.1	44.1	45.3
154.5**	41.1	43.9	46.0	47.2
165.6	44.7	47.6	49.9	51.1
182.2	50.1	53.3	55.7	57.1
198.7	55.6	59.1	61.7	63.0
215.2	61.2	65.0	67.7	69.1
231.8	67.0	71.0	73.8	75.3

* Minimum operating weight

** Maximum takeoff weight

**Boeing 737-800
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
91.3*	20.4	20.8	22.5	25.7
110.2	25.2	25.8	28.2	32.4
129.1	30.1	31.3	34.2	39.1
148.0	35.3	37.0	40.6	45.7
166.9	40.5	42.9	47.2	52.3
174.2**	42.5	45.3	49.8	54.9
185.7	45.9	49.1	53.9	59.0
204.6	52.3	55.3	60.7	65.7
223.5	57.5	61.7	67.6	72.3
242.4	64.3	68.4	74.4	79.1
261.3	70.3	75.4	81.3	85.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
91.3*	22.6	24.2	25.5	26.4
110.2	28.2	30.2	31.7	32.8
129.1	34.0	36.3	38.2	39.3
148.0	40.0	42.7	44.8	45.9
166.9	46.2	49.2	51.5	52.8
174.2**	48.6	51.8	54.2	55.5
185.7	52.5	55.9	58.4	59.7
204.6	59.0	62.7	65.3	66.7
223.5	65.7	69.6	72.5	73.9
242.4	72.4	76.7	79.7	81.1
261.3	79.3	83.9	87.0	88.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
94.6*	21.2	21.7	23.5	26.9
113.1	25.9	26.5	29.2	33.4
131.6	30.7	32.1	35.1	40.0
150.2	35.9	37.6	41.3	46.5
168.7	41.0	43.5	47.8	53.0
174.2**	42.6	45.3	49.8	54.9
187.2	46.4	49.6	54.4	59.5
205.7	52.1	55.7	61.1	66.0
224.3	57.8	62.0	67.9	72.6
242.8	64.4	68.6	74.6	79.2
261.3	70.3	75.5	81.3	85.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
94.6*	23.6	25.2	26.6	27.5
113.1	29.1	31.1	32.7	33.8
131.6	34.8	37.2	39.1	40.2
150.2	40.7	43.5	45.5	46.7
168.7	46.8	49.9	52.2	53.5
174.2**	48.7	51.8	54.2	55.5
187.2	53.0	56.4	58.9	60.3
205.7	59.4	63.1	65.8	67.1
224.3	66.0	69.9	72.8	74.2
242.8	72.6	76.9	79.9	81.3
261.3	79.4	83.9	87.0	88.4

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-900ER
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
98.5*	22.7	23.2	24.7	28.7
118.8	28.0	28.8	31.3	35.9
139.2	33.6	34.8	38.1	43.2
159.5	39.5	41.3	45.3	50.6
179.9	45.3	48.0	52.7	57.9
187.7**	47.6	50.7	55.6	60.7
200.2	51.4	54.9	60.2	65.3
220.5	57.7	61.9	67.7	72.6
240.9	65.0	69.3	75.1	79.8
261.2	71.8	76.9	82.7	87.1
281.6	78.8	84.6	90.2	94.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
98.5*	25.6	27.3	28.7	29.5
118.8	31.9	34.0	35.6	36.6
139.2	38.5	40.9	42.8	43.9
159.5	45.3	48.1	50.2	51.4
179.9	52.3	55.4	57.7	59.0
187.7**	55.0	58.3	60.7	61.9
200.2	59.4	62.9	65.4	66.7
220.5	66.8	70.6	73.2	74.5
240.9	74.2	78.3	81.2	82.5
261.2	81.9	86.3	89.3	90.6
281.6	89.7	94.4	97.4	98.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 737-BBJ
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
100.0*	22.0	22.6	24.5	28.1
117.5	26.4	27.1	29.8	34.1
134.9	30.9	32.3	35.3	40.2
152.4	35.6	37.4	41.1	46.2
169.9	40.4	42.8	47.1	52.2
171.5**	40.8	43.3	47.6	52.8
187.4	45.3	48.4	53.2	58.3
204.8	51.2	54.0	59.3	64.3
222.3	55.8	59.8	65.5	70.3
239.8	61.8	65.7	71.7	76.4
257.3	67.3	72.0	77.9	82.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
100.0*	24.5	26.3	27.7	28.6
117.5	29.7	31.7	33.4	34.4
134.9	35.0	37.4	39.3	40.4
152.4	40.4	43.2	45.2	46.4
169.9	46.0	49.0	51.3	52.6
171.5**	46.6	49.6	51.9	53.2
187.4	51.7	55.1	57.6	58.9
204.8	57.6	61.3	63.9	65.2
222.3	63.6	67.5	70.3	71.7
239.8	69.7	73.9	76.8	78.3
257.3	75.9	80.4	83.4	84.8

* Minimum operating weight

** Maximum takeoff weight

**Boeing 737-BBJ2
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
97.0*	21.8	22.3	24.2	27.7
115.3	26.4	27.1	29.8	34.2
133.5	31.2	32.6	35.7	40.6
151.8	36.3	38.1	41.9	47.0
170.0	41.3	43.9	48.3	53.4
174.2**	42.5	45.3	49.8	54.9
188.3	46.7	49.9	54.8	59.9
206.5	52.9	55.9	61.4	66.3
224.8	57.9	62.1	68.0	72.7
243.0	64.4	68.6	74.6	79.2
261.3	70.2	75.4	81.2	85.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
97.0*	24.2	25.9	27.4	28.3
115.3	29.7	31.7	33.4	34.5
133.5	35.3	37.7	39.7	40.8
151.8	41.2	43.9	46.0	47.2
170.0	47.2	50.2	52.6	53.9
174.2**	48.6	51.7	54.1	55.4
188.3	53.3	56.7	59.2	60.6
206.5	59.6	63.3	66.0	67.4
224.8	66.0	70.0	72.9	74.3
243.0	72.5	76.8	79.9	81.3
261.3	79.2	83.8	86.9	88.3

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-8
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
424.0*	22.1	23.4	25.9	33.1
539.9	29.5	31.5	35.3	47.9
655.8	37.6	40.3	46.8	63.8
771.7	46.3	50.0	59.4	80.2
887.6	55.3	60.1	73.8	96.5
978.0**	62.6	69.0	85.8	109.5
1003.4	64.7	72.4	89.3	113.1
1119.3	74.8	84.7	105.4	129.6
1235.2	86.0	98.2	122.1	146.0
1351.1	97.1	112.8	138.9	162.3
1467.0	109.7	128.3	155.8	178.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
424.0*	22.0	24.6	28.5	32.5
539.9	29.2	33.6	39.4	45.0
655.8	37.1	43.6	51.3	58.4
771.7	45.8	54.5	64.2	72.7
887.6	55.3	66.3	78.1	87.7
978.0**	63.3	76.0	89.3	99.9
1003.4	65.6	78.9	92.5	103.4
1119.3	76.5	92.3	107.7	119.6
1235.2	88.2	106.3	123.4	136.7
1351.1	100.5	120.9	139.8	153.8
1467.0	113.6	136.2	156.7	171.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-100B/300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
358.0*	17.3	18.1	20.4	25.4
443.2	22.5	23.6	26.8	34.7
528.4	27.6	29.6	33.7	45.2
613.7	33.1	36.0	41.3	56.3
698.9	38.9	42.7	50.3	67.9
750.0**	42.4	46.9	55.8	74.9
784.1	45.4	49.8	59.7	79.6
869.3	51.9	57.2	69.9	91.3
954.6	58.8	65.0	80.5	103.0
1039.8	65.7	74.5	91.7	114.8
1125.0	73.3	83.4	103.2	126.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
358.0*	16.9	18.7	21.5	24.8
443.2	21.5	24.4	28.6	33.0
528.4	26.4	30.6	36.3	41.8
613.7	31.7	37.4	44.6	51.2
698.9	37.5	44.8	53.3	61.0
750.0**	41.1	49.4	58.8	67.1
784.1	43.5	52.6	62.6	71.2
869.3	50.1	60.9	72.4	81.9
954.6	57.0	69.5	82.5	92.9
1039.8	64.4	78.6	93.0	104.2
1125.0	72.1	88.1	103.8	116.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-200B/-200B Combi/-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
376.1*	18.2	18.8	21.3	26.6
473.2	23.8	25.3	28.5	37.4
570.2	29.7	32.0	36.6	49.4
667.3	35.9	39.3	46.0	62.2
764.3	42.5	47.1	56.0	75.1
833.0**	48.0	52.9	63.9	84.5
861.3	50.1	55.3	67.2	88.3
958.4	57.8	63.9	79.1	101.5
1055.4	65.6	74.4	91.5	114.6
1152.5	74.1	84.5	104.5	127.9
1249.5	82.8	95.3	117.8	141.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
376.1*	17.4	19.4	22.4	25.8
473.2	22.6	25.9	30.5	35.1
570.2	28.3	33.1	39.3	45.2
667.3	34.5	40.9	48.8	56.0
764.3	41.0	49.4	58.9	67.2
833.0**	46.0	55.8	66.5	75.5
861.3	48.1	58.5	69.7	79.0
958.4	55.8	68.1	80.9	91.2
1055.4	64.0	78.3	92.6	103.9
1152.5	72.7	88.9	104.7	117.0
1249.5	81.9	100.1	117.3	130.4

* Minimum operating weight

** Maximum takeoff weight

**Boeing 747-200C/-200F
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
342.2*	16.6	17.2	19.3	23.9
443.0	22.6	23.6	26.9	34.8
543.8	28.6	30.9	35.2	47.4
644.6	35.3	38.5	45.0	60.9
745.4	42.3	46.7	55.6	74.6
833.0**	49.2	54.3	65.8	86.8
846.3	50.2	55.4	67.5	88.6
947.1	58.4	64.6	80.0	102.5
1047.9	66.7	75.7	93.3	116.4
1148.7	75.8	86.6	107.1	130.6
1249.5	85.1	98.3	121.2	144.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
342.2*	16.1	17.7	20.3	23.4
443.0	21.4	24.4	28.6	33.0
543.8	27.3	31.9	37.8	43.5
644.6	33.8	40.1	47.8	54.9
745.4	40.7	49.1	58.5	66.8
833.0**	47.3	57.4	68.4	77.6
846.3	48.3	58.7	69.9	79.2
947.1	56.5	68.9	81.8	92.2
1047.9	65.2	79.7	94.3	105.7
1148.7	74.5	91.1	107.2	119.6
1249.5	84.3	103.0	120.6	133.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-300 Combi
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
385.4*	19.3	20.1	22.5	28.3
481.4	25.0	26.7	30.0	39.5
577.5	31.0	33.6	38.2	51.9
673.5	37.4	41.0	47.9	64.8
769.5	44.8	48.9	58.4	78.0
833.0**	49.7	54.4	65.9	86.7
865.5	52.2	57.3	69.8	91.3
961.5	60.0	66.1	82.0	104.6
1057.5	68.0	76.9	94.5	118.0
1153.5	76.6	87.3	107.9	131.3
1249.5	85.5	98.5	121.2	144.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
385.4*	18.7	20.9	24.2	27.8
481.4	24.2	27.7	32.5	37.4
577.5	30.1	35.2	41.7	47.7
673.5	36.6	43.4	51.5	58.8
769.5	43.5	52.2	62.0	70.4
833.0**	48.4	58.4	69.3	78.3
865.5	51.0	61.7	73.0	82.5
961.5	59.0	71.6	84.6	95.0
1057.5	67.6	82.1	96.6	107.9
1153.5	76.6	93.1	109.0	121.4
1249.5	86.1	104.5	121.9	135.0

* Minimum operating weight

** Maximum takeoff weight

**Boeing 747-400
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
494.0*	26.1	28.0	31.3	41.5
584.1	31.7	34.5	39.2	53.3
674.2	38.5	41.5	48.5	65.6
764.3	45.0	49.0	58.5	78.1
854.4	52.0	56.9	69.3	90.7
870.0**	53.2	58.4	71.2	92.9
944.6	59.3	65.2	80.7	103.3
1034.7	67.0	75.4	92.6	115.7
1124.8	74.8	85.3	104.9	128.4
1214.9	82.9	95.4	117.7	141.2
1305.0	91.6	106.2	130.6	154.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
494.0*	25.5	29.2	34.3	39.3
584.1	31.2	36.5	43.1	49.3
674.2	37.5	44.4	52.5	59.9
764.3	44.1	52.8	62.5	70.8
854.4	51.3	61.8	73.0	82.3
870.0**	52.6	63.4	74.8	84.3
944.6	58.9	71.2	83.9	94.1
1034.7	67.0	81.1	95.3	106.3
1124.8	75.5	91.5	107.0	119.0
1214.9	84.6	102.2	119.1	131.9
1305.0	93.8	113.5	131.6	145.1

* Minimum operating weight

** Maximum takeoff weight

Boeing 747-SP
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
325.7*	15.0	15.6	17.3	21.4
405.3	19.4	20.4	22.9	29.3
485.0	24.1	25.7	28.9	38.5
564.6	28.7	31.1	35.5	48.4
644.3	34.2	37.0	43.0	58.7
695.0**	37.7	40.8	48.1	65.2
723.9	39.7	43.0	51.1	69.0
803.6	45.2	49.5	60.0	79.4
883.2	51.2	56.3	69.4	89.9
962.9	57.5	63.4	79.2	100.3
1042.5	63.9	72.2	89.5	110.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
325.7*	14.9	16.4	18.8	21.5
405.3	19.1	21.5	25.1	28.7
485.0	23.5	27.1	31.9	36.5
564.6	28.4	33.2	39.2	44.8
644.3	33.5	39.8	47.0	53.6
695.0**	37.0	44.2	52.2	59.3
723.9	39.1	46.7	55.3	62.7
803.6	45.0	54.1	64.0	72.1
883.2	51.3	61.9	72.9	81.9
962.9	57.9	70.0	82.2	91.9
1042.5	64.8	78.5	91.8	102.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-200PF
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
114.0*	11.1	11.5	13.0	16.2
144.0	14.5	15.3	17.5	23.0
174.0	18.3	19.7	22.6	30.5
204.0	22.2	24.2	28.5	38.5
234.0	26.3	29.1	34.9	46.6
256.0**	29.5	32.9	40.0	52.5
264.0	30.7	34.2	41.9	54.7
294.0	35.6	39.8	49.3	62.9
324.0	40.7	45.7	57.1	71.1
354.0	46.0	52.7	65.3	79.2
384.0	51.5	59.7	73.4	87.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
114.0*	10.8	12.2	14.3	16.5
144.0	14.2	16.6	19.6	22.5
174.0	18.1	21.4	25.4	29.1
204.0	22.3	26.7	31.7	36.0
234.0	26.8	32.4	38.3	43.2
256.0**	30.4	36.8	43.4	48.8
264.0	31.8	38.5	45.3	50.8
294.0	37.1	44.9	52.6	58.7
324.0	42.7	51.7	60.2	66.8
354.0	48.6	58.7	68.1	75.2
384.0	54.8	66.0	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

Boeing 757-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
141.8*	14.6	15.4	17.5	23.0
171.0	18.3	19.7	22.6	30.5
200.3	22.3	24.3	28.0	38.3
229.5	26.3	29.1	34.7	46.4
258.8	31.1	34.2	41.6	54.4
270.0**	32.8	36.2	44.4	57.4
288.0	35.7	39.5	49.0	62.5
317.3	40.6	45.5	56.7	70.6
346.5	45.9	52.3	64.7	78.8
375.8	51.4	59.2	72.9	86.9
405.0	57.0	66.5	81.0	95.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
141.8*	14.6	16.9	19.9	22.8
171.0	18.5	21.8	25.8	29.3
200.3	22.7	27.1	32.0	36.2
229.5	27.4	32.9	38.7	43.5
258.8	32.3	38.9	45.6	51.0
270.0**	34.3	41.3	48.4	54.0
288.0	37.7	45.3	52.9	58.8
317.3	43.3	52.1	60.5	67.0
346.5	49.2	59.1	68.3	75.2
375.8	55.5	66.4	76.4	83.8
405.0	62.0	74.0	84.7	92.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
176.7*	17.1	17.8	20.1	25.0
209.5	21.0	21.9	24.9	32.0
242.4	24.9	26.6	30.0	40.0
275.3	29.0	31.2	35.7	48.5
308.1	33.3	36.2	41.6	57.3
315.0**	34.2	37.2	42.9	59.1
341.0	37.7	41.4	48.7	66.2
373.9	42.2	46.7	55.7	75.2
406.8	47.5	52.4	63.5	84.2
439.6	52.6	58.2	71.5	93.3
472.5	58.1	64.3	79.9	102.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
176.7*	16.6	18.4	21.2	24.4
209.5	20.1	22.7	26.6	30.6
242.4	23.7	27.3	32.3	37.3
275.3	27.7	32.4	38.4	44.2
308.1	31.8	37.7	44.9	51.6
315.0**	32.7	38.8	46.3	53.2
341.0	36.2	43.3	51.7	59.1
373.9	40.8	49.2	58.8	67.0
406.8	45.7	55.5	66.1	75.0
439.6	50.9	61.9	73.7	83.3
472.5	56.3	68.6	81.5	91.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-200ER
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
181.6*	17.3	18.1	20.4	25.4
227.3	22.7	24.0	27.1	35.3
272.9	28.1	30.2	34.5	46.7
318.6	33.9	37.0	42.6	58.7
364.2	40.1	44.1	52.3	70.9
395.0**	44.8	49.2	59.2	79.2
409.9	47.0	51.8	62.6	83.3
455.5	54.1	59.8	73.7	95.6
501.2	61.4	68.2	85.3	107.9
546.9	68.9	78.4	97.7	120.4
592.5	76.9	88.5	110.0	132.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
181.6*	16.8	18.6	21.5	24.7
227.3	21.6	24.6	29.0	33.4
272.9	26.8	31.3	37.1	42.8
318.6	32.5	38.6	46.0	52.8
364.2	38.6	46.4	55.4	63.2
395.0**	43.0	52.0	62.0	70.5
409.9	45.2	54.8	65.3	74.2
455.5	52.3	63.6	75.7	85.5
501.2	59.8	73.0	86.5	97.2
546.9	67.7	82.8	97.7	109.5
592.5	76.1	93.1	109.3	121.8

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
189.8*	18.8	19.5	22.0	27.7
227.0	23.1	24.6	27.6	36.1
264.3	27.7	29.7	33.7	45.6
301.5	32.5	35.3	40.4	55.5
338.8	37.5	41.1	48.2	65.5
350.0**	39.0	42.9	50.5	68.6
376.0	42.6	47.1	56.2	75.8
413.3	48.7	53.5	65.0	86.0
450.5	54.6	60.2	74.2	96.1
487.8	60.6	67.2	83.9	106.5
525.0	66.9	75.6	94.0	116.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
189.8*	18.1	20.2	23.4	27.0
227.0	22.2	25.3	29.8	34.3
264.3	26.6	30.9	36.6	42.1
301.5	31.3	36.9	43.8	50.3
338.8	36.3	43.3	51.5	58.9
350.0**	37.8	45.3	53.9	61.5
376.0	41.6	50.0	59.5	67.7
413.3	47.2	57.2	68.0	77.0
450.5	53.2	64.6	76.6	86.5
487.8	59.5	72.4	85.6	96.2
525.0	66.0	80.5	94.9	106.2

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300 Freighter
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
188.0*	18.6	19.4	21.8	27.3
235.8	24.3	25.9	29.1	38.4
283.6	30.3	32.7	37.2	50.8
331.3	36.6	40.1	46.7	63.7
379.1	43.8	47.7	57.0	76.8
412.0**	48.8	53.5	64.9	85.7
426.9	51.1	56.1	68.5	89.9
474.7	58.8	64.9	80.7	103.2
522.4	66.8	75.3	93.4	116.4
570.2	75.1	85.8	106.8	129.6
618.0	83.9	97.0	120.0	142.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
188.0*	18.2	20.2	23.4	26.8
235.8	23.5	26.9	31.6	36.3
283.6	29.4	34.3	40.6	46.6
331.3	35.7	42.4	50.3	57.5
379.1	42.6	51.1	60.7	68.9
412.0**	47.6	57.5	68.2	77.1
426.9	50.0	60.4	71.7	80.9
474.7	57.9	70.3	83.1	93.3
522.4	66.4	80.7	95.0	106.1
570.2	75.3	91.6	107.3	119.4
618.0	84.7	102.9	120.0	132.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-300ER
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
175.0*	16.9	17.7	19.8	24.6
223.7	22.8	24.2	27.1	35.2
272.4	28.7	30.8	35.1	47.5
321.2	35.0	38.3	43.9	60.5
369.9	42.2	46.0	54.6	73.8
409.0**	48.0	52.6	63.7	84.4
418.6	49.5	54.3	66.1	87.1
467.3	57.3	63.1	78.3	100.6
516.1	65.4	73.5	91.0	114.0
564.8	73.7	84.0	104.6	127.4
613.5	82.6	95.4	118.0	140.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
175.0*	16.7	18.4	21.1	24.2
223.7	22.0	25.0	29.3	33.7
272.4	27.8	32.3	38.2	43.9
321.2	34.1	40.4	47.9	54.9
369.9	41.0	49.1	58.3	66.3
409.0**	46.9	56.5	67.1	75.9
418.6	48.4	58.4	69.3	78.3
467.3	56.3	68.3	80.8	90.8
516.1	64.8	78.8	92.8	103.8
564.8	73.8	89.7	105.2	117.3
613.5	83.3	101.2	118.1	130.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 767-400ER
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
227.4*	24.0	25.6	28.6	37.7
277.1	30.4	32.8	37.1	51.0
326.9	37.6	40.5	47.4	64.7
376.6	45.1	48.9	58.5	78.7
426.3	52.7	57.7	71.0	92.5
450.0**	56.7	62.3	77.4	99.2
476.1	61.1	67.4	84.5	106.7
525.8	69.5	78.7	98.2	120.8
575.5	78.4	90.1	112.5	134.9
625.3	88.5	102.4	126.6	148.9
675.0	98.6	115.4	141.0	162.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
227.4*	23.8	27.1	31.6	36.2
277.1	30.2	35.2	41.4	47.2
326.9	37.2	44.0	51.9	59.0
376.6	44.8	53.6	63.2	71.3
426.3	53.1	63.8	75.1	84.3
450.0**	57.3	68.8	80.9	90.6
476.1	61.9	74.6	87.5	97.7
525.8	71.3	86.1	100.4	111.5
575.5	81.2	98.0	113.8	125.9
625.3	91.7	110.4	127.7	140.5
675.0	102.8	123.3	142.0	155.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
302.0*	18.9	20.1	22.8	29.8
374.2	24.6	26.6	30.5	41.3
446.4	30.5	33.4	39.2	55.1
518.6	37.1	40.8	48.7	68.8
590.8	44.4	48.8	59.3	83.7
634.5**	49.2	53.8	66.2	92.8
663.0	52.1	58.1	70.8	97.4
735.2	60.2	67.4	83.1	112.6
807.4	68.5	77.2	96.2	128.5
879.6	77.5	88.1	111.8	144.4
951.8	86.6	99.3	126.3	160.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
302.0*	20.0	22.0	26.4	32.4
374.2	25.4	29.1	36.1	44.7
446.4	31.2	37.2	47.3	58.4
518.6	37.6	46.4	59.7	73.1
590.8	44.8	56.7	73.3	88.9
634.5**	49.5	63.5	82.0	98.9
663.0	52.7	68.1	87.8	105.6
735.2	61.4	80.5	103.3	123.0
807.4	71.0	93.9	119.7	141.2
879.6	81.4	108.1	136.9	160.0
951.8	92.7	123.2	154.7	179.5

* Minimum operating weight

** Maximum takeoff weight

Boeing 777-300
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
300.0*	19.0	20.3	22.9	30.0
377.0	25.1	27.2	31.2	42.4
454.0	31.6	34.7	40.8	57.5
531.0	38.8	42.8	51.3	72.5
608.0	47.2	51.6	63.1	88.7
662.0**	52.8	58.9	71.7	98.7
685.0	55.2	61.8	75.5	103.5
762.0	64.2	72.0	89.3	120.3
839.0	73.6	83.3	105.5	137.4
916.0	83.4	95.3	121.0	154.5
993.0	93.4	107.8	136.7	171.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
300.0*	20.1	22.1	26.5	32.6
377.0	25.9	29.8	37.1	46.0
454.0	32.3	38.7	49.3	60.9
531.0	39.3	48.9	63.0	77.0
608.0	47.3	60.3	77.9	94.3
662.0**	53.4	69.1	89.1	107.0
685.0	56.2	73.0	94.0	112.6
762.0	66.0	86.8	111.2	131.8
839.0	76.7	101.7	129.3	151.7
916.0	88.5	117.6	148.2	172.4
993.0	101.3	134.6	167.9	193.9

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-8
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
250.0*	25.4	26.8	29.6	38.1
306.1	32.2	34.3	38.4	52.2
362.3	39.8	42.5	49.0	67.1
418.4	47.6	51.2	60.3	82.2
474.6	56.0	60.6	73.0	97.6
503.5**	60.3	65.5	80.2	105.6
530.7	64.2	70.5	87.1	113.1
586.8	73.4	82.3	102.1	128.4
643.0	83.6	93.7	117.2	143.6
699.1	93.3	106.3	132.8	158.9
755.3	103.8	119.9	148.6	174.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
250.0*	25.3	28.2	32.6	37.2
306.1	32.0	36.6	42.7	48.8
362.3	39.3	45.8	53.7	61.1
418.4	47.1	55.6	65.4	74.2
474.6	55.6	66.1	77.9	87.9
503.5**	60.2	71.9	84.7	95.1
530.7	64.8	77.4	91.0	102.1
586.8	74.3	89.2	104.6	116.8
643.0	84.5	101.7	118.7	132.0
699.1	95.2	114.7	133.3	147.6
755.3	106.5	128.1	148.4	163.6

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-9
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
250.0*	24.8	26.1	28.6	35.3
315.8	32.7	34.6	38.3	50.2
381.6	40.8	43.7	49.0	67.4
447.4	50.0	53.5	62.0	85.2
513.2	59.5	64.0	75.7	103.2
561.5**	66.6	72.0	86.6	116.5
579.0	69.3	75.0	90.9	121.5
644.8	79.4	87.1	108.1	139.8
710.6	90.1	100.9	126.0	158.1
776.4	101.6	115.0	144.1	176.1
842.3	114.0	129.8	162.7	194.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
250.0*	25.2	27.1	30.5	34.6
315.8	32.4	35.9	41.3	47.3
381.6	40.2	45.6	53.2	60.9
447.4	48.6	56.2	66.1	75.5
513.2	57.6	67.6	79.8	90.8
561.5**	64.6	76.5	90.4	102.5
579.0	67.3	79.8	94.4	106.9
644.8	77.6	92.8	109.6	123.6
710.6	88.5	106.5	125.4	140.9
776.4	100.1	120.9	141.9	158.6
842.3	112.3	135.8	159.0	177.0

* Minimum operating weight

** Maximum takeoff weight

Boeing 787-10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
250.0*	25.1	26.4	28.9	35.7
315.8	33.0	35.0	38.8	50.9
381.6	41.2	44.2	49.6	68.3
447.4	50.6	54.2	62.8	86.2
513.2	60.1	64.7	76.7	104.4
561.5**	67.4	72.8	87.8	117.9
579.0	70.1	76.0	92.2	122.9
644.8	80.3	88.2	109.6	141.4
710.6	91.2	102.2	127.7	159.8
776.4	102.9	116.5	146.0	178.0
842.3	115.3	131.5	164.8	196.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
250.0*	25.4	27.3	30.8	35.0
315.8	32.7	36.3	41.8	47.8
381.6	40.6	46.2	53.9	61.7
447.4	49.1	56.9	66.9	76.4
513.2	58.2	68.4	80.8	91.9
561.5**	65.4	77.4	91.5	103.7
579.0	68.1	80.8	95.6	108.1
644.8	78.5	94.0	110.9	125.0
710.6	89.5	107.8	127.0	142.5
776.4	101.3	122.5	143.7	160.5
842.3	113.7	137.5	160.9	179.1

* Minimum operating weight

** Maximum takeoff weight

C-2A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.4*	16.5	15.9	15.8	15.7
42.3	19.2	18.6	18.4	18.2
48.3	21.9	21.2	21.0	20.8
54.2	24.6	23.8	23.6	23.4
60.0	27.2	26.3	26.1	25.9
60.2**	27.3	26.4	26.2	26.0
66.2	30.0	29.0	28.8	28.5
72.1	32.7	31.6	31.4	31.1
78.1	35.4	34.3	34.0	33.7
84.0	38.1	36.9	36.6	36.2
90.0	40.8	39.5	39.2	38.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
36.4*	16.8	16.9	16.7	16.5
42.3	19.6	19.7	19.5	19.2
48.3	22.4	22.5	22.3	22.0
54.2	25.2	25.3	25.1	24.7
60.0	27.9	28.0	27.8	27.3
60.2**	28.0	28.1	27.9	27.4
66.2	30.8	30.9	30.7	30.1
72.1	33.6	33.7	33.4	32.9
78.1	36.4	36.5	36.2	35.6
84.0	39.2	39.4	39.0	38.3
90.0	42.1	42.2	41.8	41.1

* Minimum operating weight

** Maximum takeoff weight

C-5A/B Galaxy
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
374.0*	10.1	10.9	12.6	15.8
472.4	13.7	14.7	17.2	22.4
570.9	17.3	18.9	22.1	29.2
669.3	21.2	23.2	27.6	36.8
767.8	25.4	28.0	34.0	44.9
840.0**	29.2	31.7	38.6	51.3
866.2	30.6	33.1	40.3	53.7
964.7	34.7	38.2	46.9	63.2
1063.1	39.9	43.8	54.1	73.3
1161.6	45.1	49.5	61.6	83.5
1260.0	50.4	56.9	69.4	93.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
374.0*	11.1	12.1	13.7	16.7
472.4	14.3	15.8	19.0	23.4
570.9	17.7	19.9	24.9	31.1
669.3	21.2	24.8	31.6	39.5
767.8	24.9	30.2	39.0	48.5
840.0**	27.8	34.5	44.8	55.5
866.2	28.9	36.1	47.0	58.2
964.7	33.0	42.5	55.6	68.4
1063.1	37.8	49.5	64.7	79.0
1161.6	43.1	57.0	74.4	90.0
1260.0	48.7	65.0	84.5	101.5

* Minimum operating weight

** Maximum takeoff weight

C-9 A/C Nightingale
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
62.2*	13.5	13.9	15.4	17.8
73.6	16.2	16.9	19.1	21.8
85.0	19.8	20.1	22.8	25.7
96.5	22.8	23.4	26.8	29.7
107.9	25.9	27.1	30.8	33.6
110.0**	26.5	27.8	31.5	34.3
119.3	29.1	30.8	34.8	37.6
130.7	32.6	34.7	38.8	41.5
142.2	36.1	38.7	42.8	45.5
153.6	39.7	42.5	46.8	49.5
165.0	43.4	46.5	50.9	53.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
62.2*	14.8	15.9	16.9	17.5
73.6	18.1	19.5	20.6	21.3
85.0	21.5	23.1	24.3	25.1
96.5	25.0	26.8	28.2	29.1
107.9	28.7	30.7	32.2	33.1
110.0**	29.4	31.5	32.9	33.8
119.3	32.4	34.6	36.2	37.1
130.7	36.2	38.6	40.3	41.3
142.2	40.1	42.7	44.5	45.5
153.6	44.1	46.8	48.8	49.7
165.0	48.2	51.1	53.1	54.1

* Minimum operating weight

** Maximum takeoff weight

C-12C/D Huron
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.8*	1.2	1.5	1.6	1.9
9.0	1.5	1.7	1.9	2.3
10.2	1.7	2.0	2.2	2.7
11.5	1.9	2.3	2.6	3.1
12.5	2.2	2.6	2.9	3.4
12.7**	2.2	2.6	2.9	3.5
13.9	2.5	2.9	3.3	3.9
15.1	2.7	3.3	3.6	4.3
16.3	3.0	3.5	4.0	4.7
17.5	3.3	4.0	4.4	5.1
18.8	3.6	4.3	4.8	5.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
7.8*	1.5	1.7	1.8	1.9
9.0	1.8	2.0	2.1	2.2
10.2	2.1	2.3	2.5	2.6
11.5	2.4	2.6	2.8	3.0
12.5	2.7	2.9	3.1	3.3
12.7**	2.7	3.0	3.2	3.3
13.9	3.1	3.3	3.5	3.7
15.1	3.4	3.7	3.9	4.1
16.3	3.7	4.0	4.3	4.5
17.5	4.1	4.4	4.7	4.8
18.8	4.4	4.8	5.0	5.2

* Minimum operating weight

** Maximum takeoff weight

C-12F Huron
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.3*	1.3	1.6	1.8	2.1
9.9	1.6	2.0	2.1	2.5
11.5	1.9	2.3	2.6	3.1
13.0	2.3	2.7	3.0	3.6
14.6	2.6	3.1	3.5	4.1
15.0**	2.7	3.2	3.6	4.2
16.2	3.0	3.5	4.0	4.6
17.8	3.3	4.0	4.5	5.1
19.3	3.7	4.4	4.9	5.7
20.9	4.1	4.9	5.5	6.2
22.5	4.5	5.4	6.0	6.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.3*	1.6	1.8	1.9	2.0
9.9	2.0	2.2	2.4	2.5
11.5	2.4	2.6	2.8	3.0
13.0	2.8	3.1	3.3	3.4
14.6	3.3	3.5	3.8	3.9
15.0**	3.4	3.6	3.9	4.0
16.2	3.7	4.0	4.2	4.4
17.8	4.1	4.5	4.7	4.9
19.3	4.6	4.9	5.2	5.4
20.9	5.0	5.4	5.7	5.9
22.5	5.5	5.9	6.2	6.5

* Minimum operating weight

** Maximum takeoff weight

C-12J Huron
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.8*	1.6	1.9	2.1	2.4
11.4	1.9	2.3	2.5	3.0
13.1	2.3	2.7	3.0	3.5
14.8	2.6	3.1	3.4	4.1
16.5	3.0	3.5	3.9	4.6
16.6**	3.0	3.6	4.0	4.7
18.2	3.4	4.0	4.4	5.2
19.9	3.7	4.5	4.9	5.7
21.5	4.2	4.9	5.5	6.3
23.2	4.6	5.4	6.1	6.9
24.9	5.0	5.9	6.6	7.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.8*	1.9	2.1	2.3	2.4
11.4	2.4	2.6	2.8	2.9
13.1	2.8	3.0	3.2	3.4
14.8	3.2	3.5	3.7	3.9
16.5	3.7	4.0	4.2	4.4
16.6**	3.7	4.0	4.3	4.5
18.2	4.1	4.5	4.7	4.9
19.9	4.6	5.0	5.3	5.5
21.5	5.1	5.5	5.8	6.0
23.2	5.6	6.0	6.3	6.6
24.9	6.1	6.5	6.9	7.1

* Minimum operating weight

** Maximum takeoff weight

**C-17A Globemaster III
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
279.0*	15.8	16.7	19.3	24.6
345.5	20.9	22.2	25.8	33.5
412.0	26.0	28.1	33.3	43.1
478.5	31.2	34.4	40.9	52.9
545.0	37.5	41.1	49.0	63.4
585.0**	41.0	45.3	54.2	70.1
611.5	43.4	48.1	57.8	74.7
678.0	50.1	55.7	67.2	86.4
744.5	57.1	63.5	76.7	98.5
811.0	64.1	71.8	86.5	111.2
877.5	71.7	81.2	96.8	124.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
279.0*	19.0	20.1	21.3	23.2
345.5	24.0	25.5	27.4	30.8
412.0	29.1	31.0	33.9	39.3
478.5	34.3	36.8	41.0	48.8
545.0	39.5	42.9	48.9	59.2
585.0**	42.7	46.6	53.9	65.8
611.5	44.9	49.2	57.4	70.4
678.0	50.5	55.9	66.6	82.5
744.5	56.2	62.9	76.6	95.4
811.0	62.0	70.3	87.2	108.9
877.5	68.1	78.4	98.5	123.0

* Minimum operating weight

** Maximum takeoff weight

C-20 A-B-C-D Gulfstream III
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
39.3*	9.4	9.6	11.0	12.1
46.6	11.4	12.0	13.5	14.6
53.8	13.6	14.4	16.0	17.1
61.1	16.0	17.2	18.6	19.5
68.3	18.3	19.9	20.9	21.8
69.7**	18.8	20.4	21.4	22.3
75.6	20.9	22.5	23.4	24.3
82.8	23.5	25.1	26.0	26.8
90.1	26.2	27.7	28.5	29.3
97.3	28.8	30.3	31.0	31.8
104.6	31.5	32.6	33.6	34.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
39.3*	10.9	11.5	12.0	12.3
46.6	13.4	14.1	14.6	14.9
53.8	15.9	16.7	17.3	17.6
61.1	18.5	19.4	20.0	20.3
68.3	21.2	22.2	22.8	23.1
69.7**	21.7	22.7	23.4	23.6
75.6	24.0	25.0	25.7	25.9
82.8	26.8	27.9	28.6	28.8
90.1	29.6	30.8	31.5	31.7
97.3	32.6	33.8	34.5	34.7
104.6	35.5	36.8	37.5	37.7

* Minimum operating weight

** Maximum takeoff weight

C-20 F-G-H Gulfstream IV
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.5*	10.6	11.2	12.5	13.5
51.1	13.0	13.7	15.1	16.1
58.7	15.2	16.5	17.5	18.6
66.3	17.8	19.3	20.2	21.2
73.9	20.5	22.0	22.9	23.8
74.6**	20.7	22.3	23.1	24.0
81.5	23.2	24.8	25.6	26.4
89.1	25.9	27.6	28.3	29.0
96.7	28.7	30.4	30.9	31.7
104.3	31.6	33.2	33.6	34.3
111.9	34.5	36.0	36.3	36.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
43.5*	12.5	13.2	13.7	13.9
51.1	15.2	16.0	16.5	16.7
58.7	18.0	18.8	19.4	19.6
66.3	20.8	21.7	22.3	22.6
73.9	23.7	24.7	25.3	25.5
74.6**	24.0	25.0	25.6	25.8
81.5	26.7	27.7	28.4	28.6
89.1	29.7	30.8	31.5	31.7
96.7	32.8	34.0	34.6	34.8
104.3	36.0	37.2	37.8	37.9
111.9	39.2	40.4	41.1	41.1

* Minimum operating weight

** Maximum takeoff weight

C-21A Gates Learjet 35
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.1*	2.0	2.1	2.3	2.6
12.0	2.5	2.6	2.8	3.3
14.0	3.0	3.1	3.4	3.9
15.9	3.4	3.6	4.0	4.5
17.8	3.9	4.1	4.6	5.2
18.3**	4.1	4.2	4.8	5.3
19.8	4.4	4.6	5.2	5.8
21.7	5.0	5.2	5.8	6.5
23.6	5.5	5.8	6.5	7.1
25.5	6.1	6.3	7.1	7.8
27.5	6.7	7.0	7.8	8.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10.1*	2.3	2.5	2.6	2.7
12.0	2.8	3.0	3.2	3.3
14.0	3.4	3.6	3.8	3.9
15.9	3.9	4.2	4.4	4.6
17.8	4.5	4.8	5.0	5.2
18.3**	4.7	5.0	5.2	5.3
19.8	5.1	5.4	5.7	5.8
21.7	5.7	6.1	6.3	6.5
23.6	6.3	6.7	7.0	7.2
25.5	7.0	7.3	7.6	7.8
27.5	7.6	8.0	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

C-22B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
91.6*	20.6	20.7	22.8	26.3
109.6	25.2	25.5	28.3	32.7
127.6	29.8	30.4	34.3	39.2
145.6	34.7	35.6	40.3	45.6
163.6	39.8	41.5	46.7	52.1
169.0**	41.4	43.2	48.6	54.0
181.5	45.1	47.2	53.2	58.5
199.5	50.3	53.0	59.7	65.0
217.5	55.5	58.9	66.3	71.5
235.5	61.1	65.3	73.0	78.0
253.5	66.7	72.2	79.6	84.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
91.6*	21.6	23.4	24.9	25.9
109.6	26.7	28.9	30.7	31.9
127.6	32.0	34.6	36.6	38.0
145.6	37.5	40.4	42.8	44.3
163.6	43.1	46.5	49.0	50.6
169.0**	44.8	48.3	51.0	52.5
181.5	48.9	52.6	55.4	57.1
199.5	54.8	58.9	62.0	63.7
217.5	60.9	65.4	68.6	70.4
235.5	67.2	71.9	75.3	77.2
253.5	73.4	78.5	82.2	84.0

* Minimum operating weight

** Maximum takeoff weight

C-23
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.4*	5.1	5.9	6.4	6.7
19.6	5.7	6.7	7.2	7.6
21.7	6.3	7.4	8.0	8.4
23.9	7.0	8.2	8.8	9.2
24.6	7.2	8.4	9.1	9.5
26.1**	7.6	8.9	9.6	10.1
28.2	8.2	9.6	10.4	10.9
30.4	8.9	10.4	11.2	11.8
32.6	9.5	11.1	12.0	12.6
34.7	10.1	11.8	12.8	13.4
36.9	10.8	12.6	13.6	14.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
17.4*	5.5	5.7	5.9	5.9
19.6	6.2	6.4	6.6	6.7
21.7	6.9	7.1	7.3	7.4
23.9	7.6	7.8	8.0	8.1
24.6	7.8	8.1	8.3	8.4
26.1**	8.2	8.6	8.8	8.9
28.2	8.9	9.3	9.5	9.6
30.4	9.6	10.0	10.2	10.3
32.6	10.2	10.7	10.9	11.1
34.7	10.9	11.4	11.7	11.8
36.9	11.6	12.1	12.4	12.5

* Minimum operating weight

** Maximum takeoff weight

C-27
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
32.2*	4.2	5.1	5.8	6.3
38.9	5.1	6.2	7.0	7.7
45.6	6.0	7.4	8.3	9.2
52.3	7.0	8.6	9.6	10.7
59.0	7.9	9.7	11.0	12.3
61.7**	8.3	10.2	11.5	12.9
65.7	8.9	10.8	12.3	13.9
72.5	9.9	12.0	13.7	15.5
79.2	11.0	13.4	15.1	17.2
85.9	12.0	14.6	16.5	18.8
92.6	13.0	15.9	17.9	20.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
32.2*	5.2	5.5	5.8	6.1
38.9	6.2	6.6	7.1	7.5
45.6	7.3	7.8	8.4	8.9
52.3	8.4	9.1	9.8	10.4
59.0	9.5	10.3	11.1	11.9
61.7**	10.0	10.8	11.7	12.5
65.7	10.7	11.6	12.6	13.4
72.5	11.8	12.9	14.0	15.0
79.2	12.9	14.2	15.5	16.6
85.9	14.1	15.5	17.0	18.2
92.6	15.3	16.8	18.5	19.8

* Minimum operating weight

** Maximum takeoff weight

C-27J Spartan
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
37.5*	4.1	5.3	6.5	7.2
45.0	4.9	6.4	8.0	8.8
52.5	5.8	7.5	9.4	10.5
60.0	6.8	8.6	10.9	12.2
67.6	7.7	9.8	12.3	13.9
70.1**	8.0	10.2	12.8	14.5
75.1	8.6	11.0	13.8	15.7
82.6	9.7	12.3	15.4	17.7
90.1	10.6	13.6	16.9	19.6
97.6	11.6	14.8	18.5	21.6
105.2	12.6	16.1	20.1	23.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
37.5*	5.4	5.9	6.3	6.8
45.0	6.5	7.1	7.7	8.3
52.5	7.6	8.3	9.1	9.8
60.0	8.7	9.6	10.5	11.4
67.6	9.8	10.9	12.0	13.0
70.1**	10.2	11.3	12.5	13.6
75.1	11.0	12.2	13.5	14.7
82.6	12.1	13.5	15.0	16.4
90.1	13.3	14.9	16.6	18.1
97.6	14.4	16.3	18.2	19.8
105.2	15.6	17.7	19.8	21.6

* Minimum operating weight

** Maximum takeoff weight

C-32A/B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
136.9*	13.9	14.4	16.4	21.5
164.2	17.1	18.1	21.0	28.2
191.5	20.6	22.4	25.8	35.3
218.8	24.3	26.7	31.7	42.7
246.1	28.2	31.3	37.8	50.0
255.0**	29.5	32.8	40.0	52.4
273.4	32.2	36.1	44.4	57.5
300.7	36.8	41.3	51.3	65.0
327.9	41.6	46.7	58.5	72.4
355.2	46.4	53.3	65.9	79.8
382.5	51.4	59.6	73.4	87.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
136.9*	13.5	15.6	18.4	21.1
164.2	16.9	19.9	23.6	27.0
191.5	20.6	24.6	29.2	33.2
218.8	24.6	29.6	35.1	39.7
246.1	28.9	35.0	41.3	46.5
255.0**	30.4	36.8	43.4	48.7
273.4	33.5	40.6	47.8	53.5
300.7	38.5	46.6	54.5	60.8
327.9	43.7	52.8	61.5	68.2
355.2	49.1	59.3	68.8	75.9
382.5	54.8	66.0	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

C-37A Gulfstream V
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
48.0*	11.3	11.7	13.0	14.6
57.8	14.0	14.8	16.4	17.9
67.5	16.9	18.1	19.8	21.2
77.3	19.9	21.5	23.2	24.6
87.0	23.1	25.0	26.7	27.6
90.5**	24.3	26.3	27.9	28.8
96.8	26.4	28.6	30.2	31.0
106.5	29.7	32.2	33.6	34.4
116.3	33.8	35.8	37.1	37.7
126.0	37.5	39.3	40.6	41.1
135.8	41.1	42.9	44.0	44.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
48.0*	13.3	14.0	14.6	14.9
57.8	16.6	17.4	18.1	18.4
67.5	19.9	21.0	21.7	22.0
77.3	23.5	24.6	25.4	25.7
87.0	27.1	28.3	29.1	29.5
90.5**	28.4	29.7	30.5	30.8
96.8	30.8	32.1	33.0	33.3
106.5	34.6	36.0	36.9	37.2
116.3	38.4	39.9	40.8	41.1
126.0	42.4	43.9	44.8	45.1
135.8	46.4	48.0	49.0	49.1

* Minimum operating weight

** Maximum takeoff weight

C-38A Courier
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.7*	2.5	2.7	2.9	3.3
16.3	3.0	3.3	3.5	4.1
18.9	3.5	3.9	4.3	4.9
21.5	4.1	4.5	4.9	5.8
24.0	4.7	5.1	5.7	6.7
24.7**	4.8	5.2	5.8	6.9
26.6	5.3	5.8	6.4	7.5
29.2	6.0	6.5	7.2	8.4
31.8	6.7	7.1	8.0	9.3
34.4	7.4	7.8	8.8	10.1
37.0	8.0	8.5	9.7	11.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.7*	2.8	3.0	3.2	3.4
16.3	3.4	3.7	3.9	4.1
18.9	4.0	4.4	4.7	4.9
21.5	4.7	5.1	5.4	5.7
24.0	5.4	5.8	6.2	6.5
24.7**	5.6	6.0	6.4	6.7
26.6	6.1	6.6	7.0	7.3
29.2	6.8	7.4	7.8	8.1
31.8	7.6	8.1	8.6	8.9
34.4	8.3	8.9	9.4	9.8
37.0	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

C-40A Clipper
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	17.8	18.2	19.5	22.4
99.5	22.0	22.6	24.5	28.1
116.1	26.2	26.9	29.5	33.8
132.6	30.5	31.8	34.7	39.6
149.1	34.9	36.6	40.2	45.3
154.5**	36.4	38.2	42.0	47.2
165.6	39.5	41.7	45.9	51.0
182.2	44.0	47.0	51.7	56.8
198.7	49.5	52.4	57.5	62.5
215.2	54.6	57.7	63.4	68.2
231.8	59.0	63.4	69.3	74.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	19.9	21.2	22.4	23.3
99.5	24.5	26.3	27.7	28.6
116.1	29.4	31.5	33.1	34.1
132.6	34.4	36.8	38.7	39.8
149.1	39.6	42.3	44.3	45.5
154.5**	41.3	44.1	46.2	47.4
165.6	44.9	47.9	50.1	51.4
182.2	50.3	53.6	56.0	57.3
198.7	55.9	59.4	62.0	63.3
215.2	61.5	65.3	68.0	69.4
231.8	67.3	71.3	74.2	75.7

* Minimum operating weight

** Maximum takeoff weight

C-40B/C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
95.0*	20.9	21.3	23.1	26.5
112.9	25.4	26.0	28.5	32.7
130.9	30.0	30.9	34.1	38.9
148.8	34.8	36.5	40.1	45.1
166.8	39.7	42.0	46.2	51.4
171.0**	40.9	43.4	47.7	52.8
184.7	44.7	47.8	52.5	57.6
202.7	50.7	53.6	58.8	63.8
220.6	55.5	59.5	65.2	70.0
238.6	61.7	65.6	71.6	76.2
256.5	67.4	72.1	78.0	82.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
95.0*	23.2	24.8	26.2	27.1
112.9	28.4	30.4	32.0	33.0
130.9	33.9	36.2	38.0	39.1
148.8	39.4	42.1	44.2	45.4
166.8	45.2	48.2	50.4	51.7
171.0**	46.6	49.6	51.9	53.2
184.7	51.1	54.4	56.8	58.2
202.7	57.1	60.7	63.3	64.7
220.6	63.3	67.2	69.9	71.3
238.6	69.5	73.7	76.7	78.1
256.5	75.9	80.4	83.5	84.9

* Minimum operating weight

** Maximum takeoff weight

C-41A Casa 212
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.3*	1.6	2.1	2.7	3.0
10.4	2.0	2.6	3.3	3.7
12.4	2.4	3.1	4.0	4.5
14.4	2.7	3.6	4.6	5.2
16.4	3.1	4.1	5.3	5.9
17.6**	3.4	4.4	5.7	6.4
18.4	3.5	4.6	5.9	6.7
20.4	3.9	5.1	6.6	7.4
22.4	4.3	5.6	7.2	8.1
24.4	4.7	6.1	7.9	8.8
26.5	5.1	6.6	8.5	9.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.3*	2.2	2.3	2.4	2.5
10.4	2.7	2.9	3.0	3.1
12.4	3.2	3.4	3.6	3.7
14.4	3.7	3.9	4.1	4.3
16.4	4.2	4.5	4.7	4.8
17.6**	4.5	4.8	5.1	5.2
18.4	4.7	5.0	5.3	5.4
20.4	5.2	5.6	5.8	6.0
22.4	5.7	6.1	6.4	6.6
24.4	6.2	6.6	7.0	7.2
26.5	6.7	7.1	7.5	7.8

* Minimum operating weight

** Maximum takeoff weight

C-90B, King Air
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.3*	1.3	1.7	2.2	2.4
7.2	1.5	1.9	2.5	2.8
8.1	1.7	2.2	2.8	3.1
9	1.9	2.4	3.1	3.4
9.6	2	2.6	3.3	3.7
9.9**	2	2.7	3.4	3.8
10.8	2.2	2.9	3.7	4.1
11.7	2.4	3.2	4	4.5
12.6	2.6	3.4	4.3	4.8
13.5	2.8	3.6	4.6	5.2
14.4	3	3.9	4.9	5.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
6.3*	1.8	1.9	1.9	2
7.2	2	2.1	2.2	2.3
8.1	2.3	2.4	2.5	2.6
9	2.5	2.6	2.8	2.8
9.6	2.7	2.8	2.9	3
9.9**	2.7	2.9	3	3.1
10.8	3	3.2	3.3	3.4
11.7	3.2	3.4	3.6	3.7
12.6	3.5	3.7	3.9	4
13.5	3.7	3.9	4.1	4.2
14.4	3.9	4.2	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-44A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

C-130E Hercules
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
72.0*	11.6	13.3	13.9	15.6
93.2	15.2	17.6	18.5	20.8
114.3	19.0	22.0	23.2	26.6
135.5	23.1	26.4	28.0	32.5
156.7	27.2	31.0	33.0	38.6
175.0**	30.8	35.0	37.5	44.2
177.8	31.4	35.6	38.1	45.1
199.0	35.5	40.4	43.5	51.7
220.2	39.9	45.4	49.0	58.7
241.3	44.3	50.6	54.5	65.8
262.5	48.9	55.9	61.0	73.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
72.0*	13.0	13.9	14.8	15.7
93.2	17.1	18.4	19.8	20.9
114.3	21.3	23.1	24.9	26.5
135.5	25.6	28.0	30.3	32.1
156.7	30.1	33.0	35.8	38.0
175.0**	34.1	37.5	40.7	43.2
177.8	34.7	38.2	41.5	44.0
199.0	39.4	43.5	47.3	50.1
220.2	44.3	49.0	53.2	56.4
241.3	49.3	54.6	59.4	62.8
262.5	54.4	60.3	65.6	69.3

* Minimum operating weight

** Maximum takeoff weight

C-130H Hercules
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
69.0*	10.1	11.5	12.4	13.8
90.5	13.4	15.5	16.7	18.7
112.0	16.8	19.5	21.0	24.1
133.5	20.2	23.8	25.5	29.6
155.0	24.0	28.1	30.2	35.3
175.0**	27.4	32.2	34.7	41.0
176.5	27.7	32.5	35.0	41.4
198.0	31.4	36.9	40.1	47.6
219.5	35.3	41.7	45.2	54.1
241.0	39.5	46.5	50.3	60.8
262.5	43.6	51.1	56.2	67.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
69.0*	11.4	12.2	13.0	13.7
90.5	15.1	16.3	17.5	18.6
112.0	19.0	20.6	22.3	23.7
133.5	22.9	25.1	27.2	29.0
155.0	27.0	29.7	32.3	34.4
175.0**	30.9	34.1	37.2	39.6
176.5	31.2	34.5	37.6	40.0
198.0	35.5	39.4	43.0	45.7
219.5	40.0	44.4	48.5	51.6
241.0	44.5	49.6	54.2	57.5
262.5	49.2	54.9	59.9	63.6

* Minimum operating weight

** Maximum takeoff weight

C-130J Hercules
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
75.6*	13.2	14.5	14.9	16.6
96.3	17.0	18.9	19.4	21.7
117.1	21.2	23.2	24.1	27.2
137.9	25.3	27.6	28.9	32.8
158.6	29.5	32.2	33.8	39.3
175.0**	33.0	36.0	37.8	44.4
179.4	33.9	37.0	38.9	45.8
200.2	38.3	41.8	44.7	52.4
221.0	42.7	46.7	50.7	59.4
241.7	47.3	51.7	56.5	66.5
262.5	52.0	56.8	62.0	73.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
75.6*	14.4	15.3	16.2	17.1
96.3	18.6	19.9	21.3	22.4
117.1	23.0	24.8	26.5	28.0
137.9	27.5	29.8	32.0	33.8
158.6	32.1	34.9	37.6	39.7
175.0**	35.8	39.1	42.1	44.4
179.4	36.9	40.2	43.3	45.7
200.2	41.7	45.7	49.2	51.9
221.0	46.7	51.2	55.3	58.2
241.7	51.9	57.0	61.4	64.6
262.5	57.1	62.8	67.7	71.1

* Minimum operating weight

** Maximum takeoff weight

C-130J-30 Hercules
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
79.3*	14.0	15.4	15.8	17.6
99.7	17.8	19.8	20.3	22.8
120.0	21.9	24.0	25.0	28.2
140.4	26.0	28.4	29.7	34.2
160.7	30.2	33.0	34.6	40.2
175.0**	33.2	36.3	38.1	44.7
181.1	34.5	37.7	39.6	46.6
201.4	38.9	42.4	45.4	53.2
221.8	43.2	47.3	51.3	60.1
242.1	47.8	52.2	57.0	67.1
262.5	52.4	57.3	62.5	74.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
79.3*	15.3	16.2	17.2	18.1
99.7	19.4	20.9	22.3	23.5
120.0	23.8	25.6	27.5	29.0
140.4	28.2	30.6	32.9	34.7
160.7	32.8	35.7	38.4	40.5
175.0**	36.1	39.4	42.4	44.7
181.1	37.5	40.9	44.1	46.5
201.4	42.3	46.3	49.9	52.6
221.8	47.3	51.8	55.9	58.9
242.1	52.3	57.4	62.0	65.2
262.5	57.5	63.2	68.2	71.6

* Minimum operating weight

** Maximum takeoff weight

C-135A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
109.0*	10.4	10.4	11.3	13.8
147.2	14.3	14.8	16.6	20.9
185.3	18.9	19.5	22.4	29.3
223.5	23.5	24.9	28.9	38.1
261.6	28.5	30.5	36.5	47.7
299.8**	33.4	36.7	44.3	57.5
301.6	33.7	37.0	44.7	58.0
337.9	39.7	43.4	52.8	67.9
376.1	45.5	50.3	61.6	78.4
414.2	51.6	57.7	70.8	89.1
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
109.0*	9.7	10.3	11.6	13.3
147.2	13.2	14.7	17.0	19.8
185.3	17.0	19.5	23.2	27.0
223.5	21.3	25.0	29.9	34.8
261.6	25.8	30.9	37.3	43.1
299.8**	30.7	37.3	45.1	52.0
301.6	30.9	37.7	45.5	52.4
337.9	36.0	44.2	53.4	61.1
376.1	41.8	51.7	62.1	70.7
414.2	47.9	59.5	71.2	80.7
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

C-135B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
116.8*	11.2	11.2	12.3	15.1
154.1	15.1	15.6	17.7	22.4
191.4	19.6	20.5	23.4	30.6
228.7	24.2	25.6	29.8	39.4
266.0	29.0	31.2	37.3	48.8
301.6**	33.7	37.0	44.7	58.0
303.2	33.9	37.3	45.0	58.5
340.5	40.1	43.8	53.4	68.6
377.8	45.7	50.6	62.0	78.8
415.1	51.7	57.9	71.0	89.3
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
116.8*	10.4	11.2	12.6	14.5
154.1	13.9	15.5	18.1	21.0
191.4	17.7	20.4	24.2	28.2
228.7	21.9	25.7	30.9	35.9
266.0	26.3	31.6	38.1	44.1
301.6**	30.9	37.7	45.5	52.4
303.2	31.2	37.9	45.8	52.8
340.5	36.4	44.7	53.9	61.7
377.8	42.0	52.0	62.5	71.2
415.1	48.0	59.6	71.4	80.9
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

C-141C Starlifter
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
148.1*	15.6	16.6	19.0	24.9
189.2	21.1	22.9	26.5	35.5
230.2	27.0	29.8	35.5	46.8
271.3	33.6	37.2	45.4	58.4
312.3	40.6	45.4	55.8	69.8
345.0**	46.6	53.1	64.6	79.1
353.3	48.2	55.0	66.9	81.5
394.4	56.0	64.9	78.4	93.2
435.4	64.2	75.4	90.1	104.9
476.5	72.8	86.1	102.0	115.3
517.5	84.8	97.2	113.9	126.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
148.1*	15.6	18.1	21.4	24.4
189.2	21.3	25.3	29.8	33.9
230.2	27.7	33.3	39.2	44.1
271.3	34.8	41.9	49.2	55.0
312.3	42.6	51.3	59.8	66.4
345.0**	49.3	59.3	68.6	75.8
353.3	51.0	61.4	71.0	78.2
394.4	60.0	71.9	82.6	90.5
435.4	69.6	82.9	94.7	103.1
476.5	79.9	94.5	107.2	116.2
517.5	90.3	106.5	120.2	129.6

* Minimum operating weight

** Maximum takeoff weight

**C-146A Wolfhound
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.7*	3.7	4.3	4.8	5.7
23.6	4.3	5.1	5.4	6.6
26.4	5.0	5.8	6.3	7.6
29.2	5.7	6.5	7.2	8.5
30.8	6.1	6.9	7.9	9.0
32.1**	6.4	7.3	8.2	9.5
34.9	7.1	8.1	9.1	10.4
37.8	7.8	8.9	10.1	11.4
40.6	8.6	9.7	11.1	12.3
43.4	9.4	10.6	12.0	13.1
46.3	10.2	11.5	13.0	14.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
20.7*	4.4	4.8	5.1	5.4
23.6	5.1	5.6	6.0	6.2
26.4	5.9	6.4	6.8	7.1
29.2	6.7	7.2	7.7	8.0
30.8	7.1	7.7	8.2	8.5
32.1**	7.5	8.1	8.6	8.9
34.9	8.3	8.9	9.5	9.8
37.8	9.1	9.8	10.4	10.8
40.6	10.0	10.7	11.3	11.7
43.4	10.8	11.6	12.3	12.7
46.3	11.7	12.6	13.2	13.6

* Minimum operating weight

** Maximum takeoff weight

C-160 Transall
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
72.8*	3.6	4.9	6.4	8.2
82.7	4.2	5.7	7.6	9.8
92.7	4.9	6.6	9.0	11.4
102.7	5.5	7.6	10.1	13.2
108.4	5.9	8.1	10.8	14.3
112.7**	6.2	8.5	11.4	15.3
122.6	6.9	9.3	12.8	17.2
132.6	7.8	10.5	14.2	19.2
142.6	8.6	11.7	15.7	21.3
152.6	9.5	12.8	17.2	23.3
162.5	10.3	14.0	18.7	25.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
72.8*	4.2	4.6	5.1	6.1
82.7	4.7	5.2	6.0	7.3
92.7	5.3	5.9	6.9	8.5
102.7	5.8	6.5	7.8	9.8
108.4	6.1	6.9	8.4	10.6
112.7**	6.3	7.2	8.8	11.2
122.6	6.9	7.9	9.9	12.6
132.6	7.4	8.6	11.0	14.2
142.6	7.9	9.4	12.3	15.8
152.6	7.2	10.2	13.5	17.4
162.5	9.0	11.1	14.8	19.1

* Minimum operating weight

** Maximum takeoff weight

C-295 Casa
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
25.0*	3.3	4.1	4.6	5.1
30.8	4.2	5.1	5.7	6.4
36.5	5.0	6.1	6.8	7.8
42.2	5.9	7.2	8.0	9.3
48.0	6.8	8.3	9.3	10.8
51.2**	7.3	8.9	10.0	11.7
53.7	7.8	9.4	10.6	12.4
59.5	8.7	10.4	11.8	14.0
65.2	9.6	11.5	13.2	15.7
71.0	10.7	12.8	14.5	17.3
76.7	11.7	13.9	15.8	19.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
25.0*	4.1	4.4	4.8	5.1
30.8	5.1	5.6	6.0	6.4
36.5	6.2	6.7	7.3	7.8
42.2	7.2	7.9	8.6	9.2
48.0	8.3	9.2	10.0	10.7
51.2**	8.9	9.8	10.8	11.5
53.7	9.4	10.4	11.4	12.2
59.5	10.6	11.7	12.8	13.7
65.2	11.7	13.0	14.3	15.3
71.0	12.9	14.4	15.8	16.8
76.7	14.1	15.8	17.3	18.4

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK6-PR MK7-B MK8
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.8*	9.3	9.6	9.5	9.8
30.6	12.0	12.4	12.3	12.6
37.5	14.7	15.1	15.0	15.4
44.3	17.3	17.9	17.8	18.2
51.1	20.0	20.6	20.5	21.0
56.8**	22.3	22.9	22.8	23.4
57.9	22.7	23.4	23.2	23.8
64.8	25.4	26.1	26.0	26.6
71.6	28.0	28.9	28.7	29.5
78.4	30.7	31.7	31.5	32.3
85.2	33.4	34.4	34.2	35.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
23.8*	9.2	9.4	9.4	9.4
30.6	11.9	12.1	12.2	12.1
37.5	14.5	14.8	14.9	14.8
44.3	17.2	17.5	17.6	17.5
51.1	19.8	20.2	20.3	20.2
56.8**	22.0	22.5	22.6	22.5
57.9	22.5	22.9	23.1	23.0
64.8	25.1	25.6	25.8	25.6
71.6	27.7	28.3	28.5	28.4
78.4	30.4	31.0	31.2	31.1
85.2	33.0	33.7	33.9	33.8

* Minimum operating weight

** Maximum takeoff weight

Canberra B MK15-B MK16
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.0*	13.0	13.2	13.2	13.4
39.4	15.4	15.7	15.8	16.0
45.7	17.9	18.2	18.3	18.5
52.0	20.4	20.7	20.8	21.1
58.3	22.9	23.2	23.4	23.7
59.9**	23.5	23.9	24.0	24.3
64.6	25.4	25.7	25.9	26.2
70.9	27.8	28.3	28.4	28.8
77.2	30.3	30.8	31.0	31.4
83.6	32.8	33.3	33.5	33.9
89.9	35.3	35.8	36.0	36.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
33.0*	12.9	13.1	13.1	13.1
39.4	15.3	15.6	15.6	15.6
45.7	17.8	18.1	18.2	18.1
52.0	20.3	20.6	20.7	20.6
58.3	22.7	23.1	23.2	23.1
59.9**	23.3	23.7	23.8	23.7
64.6	25.2	25.6	25.7	25.6
70.9	27.6	28.1	28.2	28.1
77.2	30.1	30.6	30.8	30.5
83.6	32.5	33.1	33.3	33.0
89.9	35.0	35.6	35.8	35.5

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK3-T MKII- TT MK18
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.8*	7.1	8.0	8.5	8.9
27.1	8.8	9.9	10.5	11.0
32.3	10.6	11.8	12.6	13.2
37.6	12.3	13.7	14.6	15.3
42.8	14.0	15.7	16.7	17.4
46.0**	15.1	16.8	17.9	18.8
48.1	15.7	17.6	18.7	19.6
53.3	17.4	19.5	20.8	21.7
58.6	19.1	21.4	22.8	23.9
63.8	20.9	23.3	24.9	26.0
69.1	22.6	25.3	26.9	28.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.8*	7.5	7.7	7.9	7.9
27.1	9.2	9.6	9.8	9.8
32.3	11.0	11.4	11.7	11.7
37.6	12.8	13.2	13.5	13.6
42.8	14.5	15.1	15.4	15.5
46.0**	15.6	16.2	16.6	16.7
48.1	16.3	16.9	17.3	17.4
53.3	18.0	18.7	19.2	19.3
58.6	19.8	20.5	21.0	21.2
63.8	21.5	22.3	22.9	23.1
69.1	23.2	24.2	24.8	25.0

* Minimum operating weight

** Maximum takeoff weight

**Canberra PR MK9
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.0*	10.8	11.1	11.0	11.3
34.5	13.3	13.7	13.6	13.9
40.9	15.7	16.2	16.1	16.5
47.4	18.2	18.8	18.7	19.2
53.9	20.7	21.4	21.2	21.8
57.5**	22.1	22.8	22.7	23.2
60.3	23.2	23.9	23.8	24.4
66.8	25.7	26.5	26.3	27.0
73.3	28.2	29.1	28.9	29.6
79.8	30.7	31.6	31.5	32.2
86.2	33.2	34.2	34.0	34.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
28.0*	10.7	10.8	10.9	10.9
34.5	13.1	13.4	13.5	13.4
40.9	15.6	15.9	16.0	15.9
47.4	18.1	18.4	18.5	18.5
53.9	20.5	20.9	21.1	21.0
57.5**	21.9	22.3	22.5	22.4
60.3	23.0	23.4	23.6	23.5
66.8	25.5	26.0	26.1	26.0
73.3	27.9	28.5	28.7	28.5
79.8	30.4	31.0	31.2	31.0
86.2	32.8	33.5	33.7	33.6

* Minimum operating weight

** Maximum takeoff weight

Canberra TMK4-T MK17
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.0*	6.4	7.6	8.4	8.8
26.5	7.7	9.1	10.1	10.6
30.9	9.0	10.6	11.8	12.4
35.4	10.3	12.2	13.6	14.2
39.8	11.6	13.7	15.3	16.0
41.4**	12.1	14.2	15.9	16.6
44.3	12.9	15.2	17.0	17.7
48.8	14.1	16.8	18.7	19.5
53.2	15.5	18.3	20.4	21.3
57.7	16.8	19.8	22.1	23.1
62.1	18.1	21.3	23.8	24.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
22.0*	7.1	7.4	7.6	7.7
26.5	8.5	8.8	9.1	9.2
30.9	9.9	10.3	10.6	10.8
35.4	11.3	11.8	12.1	12.3
39.8	12.7	13.2	13.6	13.8
41.4**	13.1	13.8	14.2	14.4
44.3	14.0	14.7	15.1	15.4
48.8	15.4	16.1	16.7	16.9
53.2	16.8	17.6	18.2	18.4
57.7	18.1	19.0	19.6	19.9
62.1	19.5	20.5	21.1	21.5

* Minimum operating weight

** Maximum takeoff weight

**CC-115 Buffalo, DHC-5
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4	4.9	5.7	7
30.7	4.8	5.9	6.8	8.5
35.2	5.7	6.9	8.1	10
39.7	6.6	8.1	9.5	11.5
44.2	7.6	9.2	11	13.1
44.5**	7.6	9.3	11.1	13.1
48.7	8.5	10.6	12.4	14.6
53.2	9.6	11.8	13.9	16.1
57.7	10.6	13.2	15.4	17.7
62.2	11.6	14.6	16.9	19.2
66.7	12.9	16.1	18.3	20.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	4.8	5.4	6	6.3
30.7	5.9	6.6	7.2	7.6
35.2	6.9	7.8	8.5	9
39.7	8.1	9	9.8	10.3
44.2	9.2	10.2	11.1	11.7
44.5**	9.3	10.3	11.2	11.8
48.7	10.4	11.5	12.5	13.1
53.2	11.6	12.8	13.8	14.5
57.7	12.9	14.2	15.3	16
62.2	14.1	15.6	16.7	17.4
66.7	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**CC-138 Twin Otter, DHC-6
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.3*	2.4	2.9	3.4	3.6
10.9	2.8	3.4	3.9	4.2
12.4	3.2	3.9	4.5	4.7
13.9	3.6	4.4	5	5.3
15.3	4	4.8	5.6	5.9
15.4**	4	4.8	5.6	5.9
16.9	4.4	5.3	6.1	6.5
18.4	4.8	5.8	6.7	7.1
19.9	5.2	6.3	7.2	7.6
21.5	5.6	6.7	7.8	8.2
23	6	7.2	8.3	8.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.3*	2.8	3	3	3.1
10.9	3.3	3.4	3.5	3.6
12.4	3.7	3.9	4	4.1
13.9	4.2	4.4	4.5	4.6
15.3	4.6	4.8	5	5.1
15.4**	4.6	4.9	5	5.1
16.9	5.1	5.3	5.5	5.6
18.4	5.5	5.8	6	6.1
19.9	6	6.3	6.5	6.6
21.5	6.4	6.7	7	7.1
23	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CC-150, Polaris
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
251.3*	28.2	30.7	35.6	47.6
284	32.9	36.2	43	56.7
316.7	38.1	41.9	50.6	65.8
349.3	43.1	48	58.4	75
363.6	45.4	50.7	62	79
382**	48.7	54.3	66.7	84.2
414.7	54.5	61.1	75	93.3
447.3	60.6	69.1	83.8	102.6
480	66.7	76.8	92.8	111.9
512.7	72.9	84.7	102.1	121.3
545.3	79.5	93.1	111.4	130.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
251.3*	27.5	32.8	38.9	44.5
284	32.4	38.8	46.1	52.4
316.7	37.5	45.3	53.7	60.7
349.3	43	52.1	61.6	69.2
363.6	45.4	55.1	65.1	73
382**	48.7	59.2	69.8	78.1
414.7	54.8	66.7	78.2	87.2
447.3	61.3	74.4	86.9	96.5
480	68	82.5	95.9	106
512.7	75	90.7	105.1	115.7
545.3	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from A310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CF-118
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.2*	8.9	8.6	8.6	8.6
29.9	11.5	11.1	11.1	11.1
36.7	14.1	13.6	13.7	13.6
43.4	16.8	16.1	16.2	16.1
50.2	19.4	18.6	18.7	18.6
56**	21.6	20.8	20.9	20.7
57	22	21.1	21.2	21.1
63.7	24.6	23.6	23.7	23.6
70.5	27.2	26.2	26.3	26.1
77.2	29.8	28.7	28.8	28.6
84	32.4	31.2	31.3	31.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
23.2*	8.8	8.8	8.8	8.7
29.9	11.3	11.4	11.4	11.3
36.7	13.9	14	14	13.9
43.4	16.5	16.7	16.6	16.4
50.2	19.1	19.3	19.2	19
56**	21.4	21.5	21.5	21.2
57	21.7	21.9	21.8	21.6
63.7	24.3	24.5	24.5	24.1
70.5	26.9	27.1	27.1	26.7
77.2	29.5	29.8	29.7	29.3
84	32.1	32.4	32.3	31.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from FA-18F which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CH-47
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.0*	4.3	5.4	6.1	7.4
37.7	5.1	6.4	7.3	8.5
42.3	5.9	7.5	8.4	9.7
47.0	6.8	8.5	9.6	10.9
50.0	7.3	9.2	10.3	11.7
51.7**	7.7	9.5	10.7	12.1
56.3	8.9	10.7	11.9	13.3
61.0	9.9	12.0	13.1	14.5
65.7	11.0	13.3	14.2	15.7
70.3	12.2	14.4	15.4	16.9
75.0	13.5	15.5	16.5	18.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
33.0*	5.5	6.0	6.4	6.7
37.7	6.4	7.0	7.5	7.9
42.3	7.4	8.1	8.7	9.0
47.0	8.5	9.2	9.8	10.2
50.0	9.1	9.9	10.5	10.9
51.7**	9.5	10.3	11.0	11.4
56.3	10.6	11.5	12.1	12.6
61.0	11.7	12.6	13.4	13.8
65.7	12.8	13.8	14.6	15.0
70.3	14.0	15.0	15.8	16.3
75.0	15.2	16.3	17.1	17.5

* Minimum operating weight

** Maximum takeoff weight

CH-53E Super Stallion
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4.8	4.8	5.3	6.1
34.9	6.6	6.8	7.5	8.6
43.6	8.6	8.9	10.0	11.1
52.3	10.6	11.1	12.5	13.5
61.1	12.8	13.5	15.1	16.0
69.8**	14.9	16.1	17.6	18.5
69.8	14.9	16.1	17.6	18.5
78.5	17.5	18.6	19.9	20.7
87.2	20.1	21.4	22.4	23.2
95.9	22.6	24.0	24.9	25.7
104.6	25.3	26.7	27.5	28.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	5.4	5.7	6.0	6.2
34.9	7.6	8.0	8.4	8.6
43.6	9.9	10.4	10.9	11.1
52.3	12.3	13.0	13.4	13.7
61.1	14.8	15.6	16.1	16.4
69.8**	17.4	18.2	18.8	19.1
69.8	17.4	18.2	18.8	19.1
78.5	20.1	21.0	21.6	21.9
87.2	22.8	23.8	24.4	24.7
95.9	25.6	26.6	27.3	27.5
104.6	28.4	29.5	30.2	30.4

* Minimum operating weight

** Maximum takeoff weight

CH-53K
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.7*	8.5	8.6	9.7	11.1
53.5	10.7	11.1	12.6	13.9
63.4	13.1	13.7	15.5	16.8
73.2	15.4	16.3	18.4	19.6
83.0	18.1	19.4	21.3	22.3
88.0**	19.5	21.0	22.8	23.7
92.8	20.8	22.6	24.3	25.1
102.6	23.7	25.5	27.2	28.0
112.4	26.7	28.4	30.1	30.8
122.2	29.7	31.5	32.7	33.7
132.0	32.6	34.5	35.6	36.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
43.7*	9.6	10.2	10.7	11.0
53.5	12.2	13.0	13.6	13.9
63.4	15.0	15.9	16.5	16.9
73.2	17.8	18.8	19.5	19.9
83.0	20.8	21.9	22.6	23.0
88.0**	22.3	23.5	24.3	24.6
92.8	23.8	25.0	25.8	26.2
102.6	26.9	28.2	29.0	29.4
112.4	30.1	31.4	32.3	32.6
122.2	33.3	34.7	35.6	36.0
132.0	36.6	38.1	39.0	39.3

* Minimum operating weight

** Maximum takeoff weight

**Chinook MH-457E
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.9*	2.7	3.5	4.3	5.3
32.9	3.4	4.5	5.4	6.7
38.9	4.2	5.6	6.7	8.2
45.0	5.1	6.7	8.1	9.7
51.0	5.9	8.0	9.5	11.2
54.0**	6.5	8.5	10.2	12.0
57.0	7.0	9.1	11.0	12.7
63.0	8.2	10.4	12.3	14.2
69.0	9.4	11.9	13.7	15.7
75.0	10.6	13.3	15.2	17.3
81.0	11.9	14.8	16.7	18.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.9*	3.6	4.0	4.4	4.7
32.9	4.6	5.1	5.6	6.0
38.9	5.6	6.3	6.9	7.3
45.0	6.7	7.5	8.2	8.6
51.0	7.9	8.8	9.5	10.0
54.0**	8.5	9.4	10.2	10.7
57.0	9.1	10.1	10.9	11.4
63.0	10.3	11.4	12.2	12.8
69.0	11.6	12.7	13.7	14.3
75.0	12.9	14.1	15.1	15.7
81.0	14.2	15.5	16.5	17.2

* Minimum operating weight

** Maximum takeoff weight

**Citation II 550, C550
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.3*	2.4	2.9	3.4	3.6
10.9	2.8	3.4	3.9	4.2
12.4	3.2	3.9	4.5	4.7
13.9	3.6	4.4	5	5.3
15.3	4	4.8	5.6	5.9
15.4**	4	4.8	5.6	5.9
16.9	4.4	5.3	6.1	6.5
18.4	4.8	5.8	6.7	7.1
19.9	5.2	6.3	7.2	7.6
21.5	5.6	6.7	7.8	8.2
23	6	7.2	8.3	8.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.3*	2.8	3	3	3.1
10.9	3.3	3.4	3.5	3.6
12.4	3.7	3.9	4	4.1
13.9	4.2	4.4	4.5	4.6
15.3	4.6	4.8	5	5.1
15.4**	4.6	4.9	5	5.1
16.9	5.1	5.3	5.5	5.6
18.4	5.5	5.8	6	6.1
19.9	6	6.3	6.5	6.6
21.5	6.4	6.7	7	7.1
23	6.9	7.2	7.4	7.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE JETSTREAM T MK3 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Citation III 650, C650
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.7*	2.5	2.7	2.9	3.3
16.3	3	3.3	3.5	4.1
18.9	3.5	3.9	4.3	4.9
21.5	4.1	4.5	4.9	5.8
24	4.7	5.1	5.7	6.7
24.7**	4.8	5.2	5.8	6.9
26.6	5.3	5.8	6.4	7.5
29.2	6	6.5	7.2	8.4
31.8	6.7	7.1	8	9.3
34.4	7.4	7.8	8.8	10.1
37	8	8.5	9.7	11

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.7*	2.8	3	3.2	3.4
16.3	3.4	3.7	3.9	4.1
18.9	4	4.4	4.7	4.9
21.5	4.7	5.1	5.4	5.7
24	5.4	5.8	6.2	6.5
24.7**	5.6	6	6.4	6.7
26.6	6.1	6.6	7	7.3
29.2	6.8	7.4	7.8	8.1
31.8	7.6	8.1	8.6	8.9
34.4	8.3	8.9	9.4	9.8
37	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CL-44 Yukon
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
114*	11.1	11.5	13	16.2
144	14.5	15.3	17.5	23
174	18.3	19.7	22.6	30.5
204	22.2	24.2	28.5	38.5
234	26.3	29.1	34.9	46.6
256**	29.5	32.9	40	52.5
264	30.7	34.2	41.9	54.7
294	35.6	39.8	49.3	62.9
324	40.7	45.7	57.1	71.1
354	46	52.7	65.3	79.2
384	51.5	59.7	73.4	87.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
114*	10.8	12.2	14.3	16.5
144	14.2	16.6	19.6	22.5
174	18.1	21.4	25.4	29.1
204	22.3	26.7	31.7	36
234	26.8	32.4	38.3	43.2
256**	30.4	36.8	43.4	48.8
264	31.8	38.5	45.3	50.8
294	37.1	44.9	52.6	58.7
324	42.7	51.7	60.2	66.8
354	48.6	58.7	68.1	75.2
384	54.8	66	76.2	83.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from Boeing 757-200PF which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CN-235 (Civil)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	2.7	3.4	4.0	4.4
25.5	3.2	4.0	4.6	5.2
29.1	3.7	4.6	5.4	6.0
32.8	4.2	5.2	6.1	6.8
36.4	4.7	5.9	6.8	7.7
36.4**	4.7	5.9	6.8	7.7
40.0	5.2	6.5	7.6	8.6
43.7	5.8	7.2	8.3	9.5
47.3	6.3	7.9	9.1	10.4
50.9	6.9	8.6	9.9	11.4
54.6	7.5	9.2	10.7	12.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	3.5	3.7	4.0	4.3
25.5	4.1	4.4	4.8	5.1
29.1	4.7	5.1	5.5	5.9
32.8	5.3	5.8	6.3	6.8
36.4	5.9	6.5	7.1	7.6
36.4**	5.9	6.5	7.1	7.6
40.0	6.6	7.3	7.9	8.5
43.7	7.2	8.0	8.8	9.4
47.3	7.9	8.8	9.6	10.3
50.9	8.6	9.5	10.5	11.3
54.6	9.3	10.3	11.3	12.2

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL Low Pressure Tires)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	1.9	2.6	3.5	4.1
25.5	2.2	3.0	4.1	4.9
29.1	2.6	3.5	4.8	5.7
32.8	3.0	4.0	5.4	6.5
36.4	3.3	4.6	6.0	7.3
36.4**	3.3	4.6	6.0	7.3
40.0	3.7	5.1	6.7	8.2
43.7	4.1	5.6	7.4	9.0
47.3	4.5	6.1	8.1	9.9
50.9	4.9	6.6	8.8	10.8
54.6	5.3	7.2	9.6	11.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	2.9	3.2	3.5	3.8
25.5	3.4	3.8	4.2	4.6
29.1	3.9	4.3	4.8	5.3
32.8	4.4	4.9	5.5	6.1
36.4	4.9	5.5	6.2	6.9
36.4**	4.9	5.5	6.2	6.9
40.0	5.4	6.2	7.0	7.7
43.7	5.9	6.8	7.7	8.5
47.3	6.5	7.5	8.5	9.3
50.9	7.0	8.1	9.2	10.2
54.6	7.6	8.8	10.0	11.0

* Minimum operating weight

** Maximum takeoff weight

CN-235 (MIL)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	2.9	3.5	4.0	4.4
25.5	3.4	4.1	4.7	5.2
29.1	3.9	4.8	5.4	6.0
32.8	4.5	5.4	6.1	6.9
36.4	5.0	6.1	6.8	7.8
36.4**	5.0	6.1	6.8	7.8
40.0	5.6	6.8	7.6	8.7
43.7	6.1	7.5	8.3	9.7
47.3	6.7	8.1	9.1	10.6
50.9	7.3	8.8	9.9	11.6
54.6	7.9	9.5	10.7	12.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	3.6	3.8	4.1	4.4
25.5	4.2	4.5	4.9	5.2
29.1	4.8	5.2	5.7	6.0
32.8	5.5	6.0	6.5	6.9
36.4	6.1	6.7	7.3	7.8
36.4**	6.1	6.7	7.3	7.8
40.0	6.8	7.5	8.1	8.7
43.7	7.5	8.2	9.0	9.6
47.3	8.2	9.0	9.8	10.5
50.9	8.9	9.8	10.7	11.5
54.6	9.6	10.6	11.6	12.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 1

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	2.7	3.4	4.0	4.4
25.5	3.2	4.0	4.6	5.2
29.1	3.7	4.6	5.4	6.0
32.8	4.2	5.2	6.1	6.8
36.4	4.7	5.9	6.8	7.7
36.4**	4.7	5.9	6.8	7.7
40.0	5.2	6.5	7.6	8.6
43.7	5.8	7.2	8.3	9.5
47.3	6.3	7.9	9.1	10.4
50.9	6.9	8.6	9.9	11.4
54.6	7.5	9.2	10.7	12.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	3.5	3.7	4.0	4.3
25.5	4.1	4.4	4.8	5.1
29.1	4.7	5.1	5.5	5.9
32.8	5.3	5.8	6.3	6.8
36.4	5.9	6.5	7.1	7.6
36.4**	5.9	6.5	7.1	7.6
40.0	6.6	7.3	7.9	8.5
43.7	7.2	8.0	8.8	9.4
47.3	7.9	8.8	9.6	10.3
50.9	8.6	9.5	10.5	11.3
54.6	9.3	10.3	11.3	12.2

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 2
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	2.9	3.5	4.0	4.4
25.5	3.4	4.1	4.7	5.2
29.1	3.9	4.8	5.4	6.0
32.8	4.5	5.4	6.1	6.9
36.4	5.0	6.1	6.8	7.8
36.4**	5.0	6.1	6.8	7.8
40.0	5.6	6.8	7.6	8.7
43.7	6.1	7.5	8.3	9.7
47.3	6.7	8.1	9.1	10.6
50.9	7.3	8.8	9.9	11.6
54.6	7.9	9.5	10.7	12.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	3.6	3.8	4.1	4.4
25.5	4.2	4.5	4.9	5.2
29.1	4.8	5.2	5.7	6.0
32.8	5.5	6.0	6.5	6.9
36.4	6.1	6.7	7.3	7.8
36.4**	6.1	6.7	7.3	7.8
40.0	6.8	7.5	8.1	8.7
43.7	7.5	8.2	9.0	9.6
47.3	8.2	9.0	9.8	10.5
50.9	8.9	9.8	10.7	11.5
54.6	9.6	10.6	11.6	12.4

* Minimum operating weight

** Maximum takeoff weight

CN-235 Casa Version 3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
21.9*	1.9	2.6	3.5	4.1
25.5	2.2	3.0	4.1	4.9
29.1	2.6	3.5	4.8	5.7
32.8	3.0	4.0	5.4	6.5
36.4	3.3	4.6	6.0	7.3
36.4**	3.3	4.6	6.0	7.3
40.0	3.7	5.1	6.7	8.2
43.7	4.1	5.6	7.4	9.0
47.3	4.5	6.1	8.1	9.9
50.9	4.9	6.6	8.8	10.8
54.6	5.3	7.2	9.6	11.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
21.9*	2.9	3.2	3.5	3.8
25.5	3.4	3.8	4.2	4.6
29.1	3.9	4.3	4.8	5.3
32.8	4.4	4.9	5.5	6.1
36.4	4.9	5.5	6.2	6.9
36.4**	4.9	5.5	6.2	6.9
40.0	5.4	6.2	7.0	7.7
43.7	5.9	6.8	7.7	8.5
47.3	6.5	7.5	8.5	9.3
50.9	7.0	8.1	9.2	10.2
54.6	7.6	8.8	10.0	11.0

* Minimum operating weight

** Maximum takeoff weight

CT-114 Tutor (Canadair CL-41A)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5*	2.1	2	2	2
5.5	2.3	2.2	2.2	2.2
6	2.5	2.4	2.4	2.4
6.5	2.7	2.6	2.6	2.6
6.6	2.7	2.6	2.6	2.6
7.1**	2.9	2.8	2.8	2.8
7.6	3.2	3	3	3
8.2	3.4	3.3	3.2	3.2
8.7	3.6	3.5	3.5	3.4
9.2	3.8	3.7	3.7	3.6
9.8	4	3.9	3.9	3.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
5*	2	2	2	2
5.5	2.2	2.2	2.2	2.2
6	2.4	2.5	2.4	2.4
6.5	2.6	2.7	2.6	2.6
6.6	2.7	2.7	2.7	2.6
7.1**	2.9	2.9	2.9	2.9
7.6	3.1	3.1	3.1	3.1
8.2	3.3	3.3	3.3	3.3
8.7	3.5	3.6	3.6	3.5
9.2	3.8	3.8	3.8	3.7
9.8	4	4	4	4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CT-156, T-6A-1 (Harvard II)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5*	2.1	2	2	2
5.5	2.3	2.2	2.2	2.2
6	2.5	2.4	2.4	2.4
6.5	2.7	2.6	2.6	2.6
6.6	2.7	2.6	2.6	2.6
7.1**	2.9	2.8	2.8	2.8
7.6	3.2	3	3	3
8.2	3.4	3.3	3.2	3.2
8.7	3.6	3.5	3.5	3.4
9.2	3.8	3.7	3.7	3.6
9.8	4	3.9	3.9	3.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
5*	2	2	2	2
5.5	2.2	2.2	2.2	2.2
6	2.4	2.5	2.4	2.4
6.5	2.6	2.7	2.6	2.6
6.6	2.7	2.7	2.7	2.6
7.1**	2.9	2.9	2.9	2.9
7.6	3.1	3.1	3.1	3.1
8.2	3.3	3.3	3.3	3.3
8.7	3.5	3.6	3.6	3.5
9.2	3.8	3.8	3.8	3.7
9.8	4	4	4	4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-6A Texan II which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

CV-22
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
46.0*	7.9	8.6	9.5	11.3
51.0	8.9	9.6	11.0	12.7
55.9	9.9	10.8	12.3	14.2
60.5	10.9	11.9	13.6	15.5
60.9	11.0	12.0	13.7	15.6
65.9**	12.1	13.2	15.2	17.0
70.9	13.4	14.4	16.7	18.5
75.8	14.5	15.7	18.1	19.9
80.8	15.7	17.0	19.6	21.4
85.8	17.0	18.4	21.0	22.8
90.8	18.2	20.1	22.5	24.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
46.0*	8.9	9.7	10.3	10.7
51.0	10.1	10.9	11.6	12.1
55.9	11.3	12.2	13.0	13.5
60.5	12.4	13.4	14.2	14.7
60.9	12.5	13.5	14.3	14.8
65.9**	13.8	14.9	15.7	16.3
70.9	15.0	16.2	17.1	17.7
75.8	16.4	17.6	18.5	19.1
80.8	17.7	19.0	20.0	20.6
85.8	19.0	20.4	21.5	22.1
90.8	20.4	21.8	22.9	23.6

* Minimum operating weight

** Maximum takeoff weight

CV-580 Conair/Convair
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.5*	5.2	6.2	7.0	8.5
39.5	6.3	7.6	8.6	10.4
45.4	7.4	8.9	10.2	12.4
51.4	8.6	10.5	11.8	14.5
57.4	9.8	11.9	13.4	16.6
58.2**	9.9	12.1	13.7	16.8
63.4	11.1	13.3	15.4	18.6
69.3	12.2	14.9	17.3	20.7
75.3	13.5	16.5	19.3	22.8
81.3	14.7	18.3	21.2	24.9
87.2	16.2	20.3	23.3	26.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
33.5*	5.9	6.7	7.3	7.9
39.5	7.2	8.1	8.9	9.5
45.4	8.5	9.6	10.5	11.2
51.4	9.9	11.1	12.2	13.0
57.4	11.3	12.7	13.9	14.7
58.2**	11.5	12.9	14.1	15.0
63.4	12.7	14.3	15.6	16.6
69.3	14.3	16.0	17.4	18.4
75.3	15.8	17.7	19.2	20.3
81.3	17.4	19.4	21.1	22.2
87.2	19.0	21.2	22.9	24.1

* Minimum operating weight

** Maximum takeoff weight

Dash 7
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.6*	5.3	6.0	6.6	7.9
31.9	6.3	7.1	7.9	9.3
36.1	7.4	8.3	9.4	10.7
40.4	8.4	9.4	10.8	12.2
44.0	9.4	10.5	12.1	13.4
44.7**	9.6	10.7	12.3	13.6
48.9	10.7	12.0	13.7	15.0
53.2	11.9	13.4	15.1	16.5
57.5	13.3	14.8	16.4	17.9
61.7	14.6	16.2	17.8	19.3
66.0	16.1	17.5	19.2	20.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.6*	6.1	6.7	7.1	7.4
31.9	7.3	7.9	8.4	8.8
36.1	8.5	9.2	9.8	10.2
40.4	9.8	10.6	11.2	11.5
44.0	10.9	11.7	12.3	12.8
44.7**	11.1	11.9	12.6	13.0
48.9	12.4	13.3	14.0	14.4
53.2	13.7	14.7	15.4	15.9
57.5	15.1	16.1	16.9	17.4
61.7	16.5	17.6	18.4	18.9
66.0	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

DASH-8, CC-142
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.6*	5.3	6	6.6	7.9
31.9	6.3	7.1	7.9	9.3
36.1	7.4	8.3	9.4	10.7
40.4	8.4	9.4	10.8	12.2
44	9.4	10.5	12.1	13.4
44.7**	9.6	10.7	12.3	13.6
48.9	10.7	12	13.7	15
53.2	11.9	13.4	15.1	16.5
57.5	13.3	14.8	16.4	17.9
61.7	14.6	16.2	17.8	19.3
66	16.1	17.5	19.2	20.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.6*	6.1	6.7	7.1	7.4
31.9	7.3	7.9	8.4	8.8
36.1	8.5	9.2	9.8	10.2
40.4	9.8	10.6	11.2	11.5
44	10.9	11.7	12.3	12.8
44.7**	11.1	11.9	12.6	13
48.9	12.4	13.3	14	14.4
53.2	13.7	14.7	15.4	15.9
57.5	15.1	16.1	16.9	17.4
61.7	16.5	17.6	18.4	18.9
66	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

DC-8-63F/73F
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
162.7*	17.8	19.1	21.8	28.2
203.8	23.5	25.7	29.7	38.4
244.9	29.9	32.8	39.0	49.4
286.0	36.6	40.5	48.6	61.0
327.1	43.9	48.9	58.7	72.6
355.0**	49.0	55.8	65.8	80.7
368.1	51.4	58.9	69.2	84.4
409.2	59.5	68.7	80.2	96.2
450.3	68.0	78.7	91.5	107.9
491.4	79.1	89.0	103.3	119.7
532.5	88.7	99.9	115.3	131.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
162.7*	17.9	20.7	24.3	27.7
203.8	23.9	28.2	33.1	37.4
244.9	30.5	36.3	42.6	47.9
286.0	37.8	45.3	52.8	58.9
327.1	45.8	54.8	63.6	70.4
355.0**	51.5	61.6	71.2	78.6
368.1	54.3	64.9	74.9	82.5
409.2	63.5	75.7	86.7	94.9
450.3	73.2	86.9	99.0	107.8
491.4	83.4	98.5	111.7	121.0
532.5	94.1	110.7	124.9	134.6

* Minimum operating weight

** Maximum takeoff weight

DC-9-51
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.0*	4.3	4.4	4.6	5.0
39.7	8.3	8.3	8.9	10.1
57.4	12.5	12.6	14.0	16.1
75.2	16.8	17.3	19.4	22.2
92.9	21.7	22.3	25.2	28.4
110.6**	26.6	27.6	31.4	34.5
121.0	29.5	31.0	35.1	38.1
128.3	31.6	33.4	37.7	40.7
146.1	36.8	39.9	44.0	46.9
163.8	42.3	46.2	50.3	53.1
181.5	49.1	52.7	56.6	59.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
22.0*	4.5	4.8	5.1	5.4
39.7	8.8	9.5	10.1	10.6
57.4	13.6	14.7	15.5	16.1
75.2	18.8	20.1	21.2	21.9
92.9	24.2	25.9	27.2	28.0
110.6**	29.8	31.8	33.4	34.2
121.0	33.2	35.4	37.1	38.0
128.3	35.7	38.0	39.7	40.6
146.1	41.8	44.4	46.2	47.2
163.8	48.1	50.9	52.9	53.8
181.5	54.5	57.6	59.7	60.6

* Minimum operating weight

** Maximum takeoff weight

DC-10-40
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
270.8*	21.0	21.4	24.2	29.8
337.9	27.1	28.5	32.0	41.0
405.0	33.6	35.4	40.5	54.2
472.0	40.2	43.2	49.8	68.3
539.1	47.3	51.6	60.6	83.1
583.0**	52.0	57.1	68.0	92.7
606.2	54.5	60.1	72.0	97.9
673.3	63.1	69.4	84.3	112.8
740.3	71.6	79.2	97.9	127.7
807.4	80.2	89.2	112.2	142.9
874.5	88.9	101.4	127.1	158.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
270.8*	19.8	21.4	24.3	28.0
337.9	25.0	27.8	32.4	37.6
405.0	30.5	34.8	41.3	48.0
472.0	36.4	42.5	50.9	59.1
539.1	42.7	50.8	61.1	71.0
583.0**	47.0	56.5	68.2	78.9
606.2	49.4	59.6	72.0	83.2
673.3	56.6	69.0	83.6	96.1
740.3	64.2	79.0	95.5	109.4
807.4	72.4	89.5	108.0	123.1
874.5	81.0	100.5	120.9	137.4

* Minimum operating weight

** Maximum takeoff weight

DO-328
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.7*	2.7	3.6	4.4	5.5
22.6	3.2	4.3	5.2	6.5
25.6	3.8	5.0	6.1	7.5
28.5	4.3	5.7	7.0	8.6
30.8	4.7	6.4	7.8	9.4
31.5**	4.9	6.5	8.0	9.6
34.4	5.5	7.4	8.9	10.7
37.4	6.2	8.3	9.9	11.7
40.4	6.8	9.1	10.9	12.7
43.3	7.6	10.0	11.9	13.8
46.3	8.5	11.0	12.8	14.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
19.7*	3.7	4.2	4.6	4.9
22.6	4.4	4.9	5.4	5.8
25.6	5.1	5.7	6.3	6.6
28.5	5.8	6.5	7.1	7.6
30.8	6.4	7.2	7.8	8.3
31.5**	6.6	7.4	8.0	8.5
34.4	7.4	8.2	8.9	9.4
37.4	8.2	9.1	9.9	10.4
40.4	9.0	10.0	10.8	11.3
43.3	9.9	10.9	11.8	12.3
46.3	10.7	11.9	12.7	13.3

* Minimum operating weight

** Maximum takeoff weight

Dominie T Mk1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.7*	2.5	2.7	2.9	3.3
16.3	3	3.3	3.5	4.1
18.9	3.5	3.9	4.3	4.9
21.5	4.1	4.5	4.9	5.8
24	4.7	5.1	5.7	6.7
24.7**	4.8	5.2	5.8	6.9
26.6	5.3	5.8	6.4	7.5
29.2	6	6.5	7.2	8.4
31.8	6.7	7.1	8	9.3
34.4	7.4	7.8	8.8	10.1
37	8	8.5	9.7	11

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.7*	2.8	3	3.2	3.4
16.3	3.4	3.7	3.9	4.1
18.9	4	4.4	4.7	4.9
21.5	4.7	5.1	5.4	5.7
24	5.4	5.8	6.2	6.5
24.7**	5.6	6	6.4	6.7
26.6	6.1	6.6	7	7.3
29.2	6.8	7.4	7.8	8.1
31.8	7.6	8.1	8.6	8.9
34.4	8.3	8.9	9.4	9.8
37	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Dragonfly, A37
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.2*	2.7	3	3	3.2
9.6	3.1	3.5	3.6	3.7
11	3.6	4	4.1	4.3
12.5	4.1	4.5	4.6	4.8
13.9	4.5	5	5.2	5.3
14**	4.6	5.1	5.2	5.4
15.3	5	5.5	5.7	5.9
16.7	5.4	6	6.2	6.4
18.2	5.9	6.6	6.7	7
19.6	6.4	7.1	7.3	7.5
21	6.8	7.6	7.8	8.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.2*	2.8	2.8	2.9	2.9
9.6	3.2	3.3	3.4	3.4
11	3.7	3.8	3.9	3.9
12.5	4.2	4.3	4.4	4.4
13.9	4.7	4.8	4.9	4.9
14**	4.7	4.9	4.9	5
15.3	5.2	5.3	5.4	5.4
16.7	5.7	5.8	5.9	5.9
18.2	6.1	6.3	6.4	6.4
19.6	6.6	6.8	6.9	6.9
21	7.1	7.3	7.4	7.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-37B TWEET which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

E-2C Hawkeye
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
38.1*	17.5	17.0	16.7	16.5
42.5	19.5	18.9	18.7	18.4
46.9	21.5	20.9	20.6	20.3
51.4	23.5	22.9	22.5	22.2
51.9	23.8	23.1	22.8	22.5
55.8**	25.6	24.8	24.5	24.1
60.2	27.6	26.8	26.4	26.1
64.6	29.6	28.8	28.3	28.0
69.0	31.6	30.7	30.3	29.9
73.4	33.6	32.7	32.2	31.8
77.9	35.7	34.7	34.2	33.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
38.1*	18.2	18.2	18.0	17.7
42.5	20.3	20.3	20.1	19.8
46.9	22.5	22.4	22.2	21.8
51.4	24.6	24.6	24.3	23.9
51.9	24.9	24.9	24.6	24.2
55.8**	26.8	26.7	26.5	26.0
60.2	28.9	28.9	28.6	28.0
64.6	31.0	31.0	30.7	30.1
69.0	33.2	33.2	32.8	32.2
73.4	35.4	35.3	34.9	34.3
77.9	37.5	37.5	37.1	36.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Afloat)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.4*	20.7	20.1	19.6	19.3
49.0	22.9	22.2	21.7	21.3
53.7	25.1	24.3	23.7	23.3
57.5	26.9	26.0	25.4	25.0
58.3	27.3	26.4	25.8	25.3
63.0**	29.4	28.5	27.8	27.4
67.6	31.6	30.6	29.9	29.4
72.3	33.8	32.7	31.9	31.4
76.9	36.0	34.8	34.0	33.4
81.6	38.1	37.0	36.0	35.4
86.3	40.3	39.1	38.1	37.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
44.4*	21.9	21.8	21.6	21.1
49.0	24.2	24.2	23.8	23.4
53.7	26.6	26.5	26.1	25.6
57.5	28.5	28.4	28.0	27.4
58.3	28.9	28.8	28.4	27.8
63.0**	31.3	31.1	30.7	30.1
67.6	33.6	33.5	33.0	32.3
72.3	36.0	35.8	35.3	34.6
76.9	38.3	38.2	37.6	36.8
81.6	40.7	40.5	39.9	39.0
86.3	43.0	42.8	42.2	41.3

* Minimum operating weight

** Maximum takeoff weight

E-2D Advanced Hawkeye (Shore)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.4*	20.1	19.5	19.3	19.1
49.0	22.2	21.5	21.4	21.1
53.7	24.3	23.6	23.4	23.1
57.5	26.1	25.2	25.1	24.8
58.3	26.5	25.6	25.4	25.2
63.0**	28.6	27.6	27.5	27.2
67.6	30.7	29.7	29.5	29.2
72.3	32.8	31.7	31.5	31.2
76.9	34.9	33.8	33.5	33.2
81.6	37.0	35.8	35.6	35.2
86.3	39.1	37.8	37.6	37.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
44.4*	20.6	20.6	20.5	20.2
49.0	22.8	22.8	22.7	22.3
53.7	25.0	25.0	24.8	24.4
57.5	26.8	26.8	26.6	26.2
58.3	27.2	27.2	27.0	26.6
63.0**	29.3	29.4	29.2	28.7
67.6	31.5	31.6	31.4	30.8
72.3	33.7	33.8	33.5	33.0
76.9	35.9	36.0	35.7	35.1
81.6	38.1	38.2	37.9	37.2
86.3	40.3	40.4	40.1	39.4

* Minimum operating weight

** Maximum takeoff weight

E-3 Sentry AWAC
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
180.7*	18.9	20.2	22.7	29.5
214.8	23.2	25.0	28.6	37.6
248.9	27.8	30.4	35.5	46.3
283.0	32.6	36.0	42.7	55.4
317.1	38.2	41.9	50.4	64.8
325.0**	39.4	43.4	52.3	67.0
351.1	43.5	48.3	58.5	74.2
385.2	49.4	54.9	66.9	83.7
419.3	55.4	62.8	75.5	93.2
453.4	61.7	70.6	84.3	102.8
487.5	68.1	78.7	93.5	112.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
180.7*	18.5	21.3	24.9	28.6
214.8	22.9	26.8	31.6	36.0
248.9	27.6	32.7	38.6	44.0
283.0	32.7	39.1	46.2	52.2
317.1	38.2	45.9	54.1	60.9
325.0**	39.5	47.6	56.0	62.9
351.1	44.1	53.1	62.3	69.8
385.2	50.2	60.6	71.0	79.0
419.3	56.7	68.5	79.7	88.5
453.4	63.6	76.6	88.9	98.2
487.5	70.8	85.2	98.4	108.2

* Minimum operating weight

** Maximum takeoff weight

**E-4B National Airborne Operations Center
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
461.5*	23.8	25.3	28.4	37.0
543.5	28.9	30.9	35.2	47.3
625.6	34.2	37.2	42.6	58.2
707.7	39.7	43.7	51.4	69.5
789.7	46.3	50.5	60.5	80.8
800.0**	47.1	51.4	61.7	82.2
871.8	52.6	57.8	70.4	92.1
953.8	59.2	65.3	80.8	103.6
1035.9	66.1	74.4	91.5	115.1
1117.9	73.1	83.1	102.8	126.5
1200.0	80.7	92.4	114.2	137.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
461.5*	23.0	26.1	30.6	35.2
543.5	27.9	32.3	38.2	43.9
625.6	33.2	39.1	46.3	53.1
707.7	38.8	46.3	54.9	62.7
789.7	44.8	53.9	64.0	72.7
800.0**	45.6	54.9	65.2	73.9
871.8	51.2	62.0	73.5	83.0
953.8	58.0	70.4	83.3	93.7
1035.9	65.2	79.3	93.5	104.7
1117.9	72.8	88.5	104.0	116.0
1200.0	80.7	98.1	114.7	127.6

* Minimum operating weight

** Maximum takeoff weight

E-8C Joint Stars
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
171.0*	17.7	18.4	21.2	27.4
208.0	22.2	23.8	27.4	36.1
245.0	27.2	29.6	34.8	45.5
282.0	32.4	35.6	42.6	55.4
319.0	38.2	42.4	51.1	65.6
336.0**	40.9	45.5	55.1	70.3
356.0	44.2	49.3	59.8	75.8
393.0	50.4	56.5	69.1	86.3
430.0	57.1	65.4	78.4	96.6
467.0	63.8	74.0	88.4	106.9
504.0	71.1	82.7	98.4	117.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
171.0*	16.9	19.4	22.8	26.2
208.0	21.4	25.1	29.7	34.1
245.0	26.3	31.3	37.3	42.6
282.0	31.7	38.1	45.3	51.5
319.0	37.5	45.5	53.8	60.8
336.0**	40.3	48.9	57.9	65.2
356.0	43.8	53.2	62.8	70.5
393.0	50.4	61.3	72.1	80.6
430.0	57.4	69.8	81.7	90.9
467.0	64.9	78.8	91.7	101.5
504.0	72.7	88.0	102.0	112.4

* Minimum operating weight

** Maximum takeoff weight

EC-130E Commando Solo
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
78.0*	12.1	14.0	15.0	16.8
98.5	15.5	18.0	19.4	22.2
119.0	18.9	22.1	23.8	27.6
139.5	22.7	26.5	28.5	33.2
160.0	26.4	30.9	33.3	39.2
175.0**	29.1	34.1	36.9	43.8
180.5	30.1	35.3	38.3	45.4
201.0	33.9	40.0	43.4	51.9
221.5	37.9	44.8	48.6	58.5
242.0	42.1	49.6	53.7	65.3
262.5	46.3	54.4	60.1	72.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
78.0*	13.7	14.7	15.7	16.7
98.5	17.5	18.9	20.5	21.7
119.0	21.4	23.4	25.3	27.0
139.5	25.5	28.0	30.4	32.4
160.0	29.7	32.7	35.6	38.0
175.0**	32.8	36.3	39.6	42.1
180.5	34.0	37.6	41.0	43.6
201.0	38.4	42.6	46.5	49.5
221.5	42.9	47.8	52.2	55.4
242.0	47.6	53.0	58.0	61.5
262.5	52.4	58.5	63.8	67.7

* Minimum operating weight

** Maximum takeoff weight

**EC-130H Compass Call
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
78.0*	12.3	14.2	15.1	16.9
98.5	15.7	18.3	19.4	21.9
119.0	19.2	22.5	23.9	27.6
139.5	23.1	26.9	28.7	33.3
160.0	27.0	31.4	33.5	39.3
175.0**	29.9	34.6	37.0	43.8
180.5	31.0	35.8	38.4	45.5
201.0	35.1	40.4	43.5	51.9
221.5	39.2	45.1	48.8	58.6
242.0	43.4	49.8	54.0	65.3
262.5	47.6	54.6	60.2	72.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
78.0*	13.9	14.9	15.9	16.9
98.5	17.8	19.2	20.7	22.0
119.0	21.8	23.7	25.6	27.3
139.5	25.9	28.4	30.8	32.7
160.0	30.2	33.2	36.1	38.3
175.0**	33.4	36.8	40.0	42.5
180.5	34.6	38.1	41.5	44.1
201.0	39.0	43.2	47.1	49.9
221.5	43.7	48.4	52.7	55.9
242.0	48.4	53.8	58.6	62.0
262.5	53.3	59.2	64.5	68.3

* Minimum operating weight

** Maximum takeoff weight

EC-130J Commando Solo
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
109.5*	19.5	21.6	22.4	25.1
126.5	23.0	25.2	26.3	29.7
143.5	26.4	28.9	30.2	34.8
160.5	29.9	32.6	34.3	39.8
175.0	32.9	36.0	37.8	44.4
177.5**	33.5	36.5	38.4	45.1
194.5	37.1	40.4	43.2	50.5
211.5	40.7	44.4	47.9	56.1
228.5	44.3	48.5	52.8	61.9
245.5	48.1	52.6	57.4	67.7
262.5	51.9	56.8	62.0	73.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
109.5*	21.4	23.0	24.6	25.9
126.5	25.0	27.0	29.0	30.6
143.5	28.7	31.1	33.5	35.3
160.5	32.5	35.4	38.1	40.2
175.0	35.8	39.1	42.1	44.4
177.5**	36.4	39.7	42.8	45.1
194.5	40.4	44.2	47.6	50.2
211.5	44.4	48.7	52.5	55.3
228.5	48.6	53.3	57.5	60.5
245.5	52.8	58.0	62.5	65.8
262.5	57.1	62.8	67.7	71.1

* Minimum operating weight

** Maximum takeoff weight

EC-130J Super J
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.7*	14.7	16.3	16.6	18.5
103.1	18.2	20.3	20.9	23.5
122.4	22.2	24.3	25.3	28.6
141.7	26.1	28.5	29.8	34.3
161.1	30.0	32.8	34.4	40.0
171.8**	32.3	35.2	37.0	43.3
180.4	34.1	37.2	39.1	46.1
199.7	38.2	41.6	44.6	52.2
219.1	42.3	46.2	50.1	58.7
238.4	46.5	50.9	55.5	65.3
257.7	50.9	55.6	60.7	72.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.7*	16.0	17.1	18.2	19.1
103.1	20.0	21.5	23.0	24.2
122.4	24.1	26.0	27.9	29.5
141.7	28.3	30.7	33.0	34.8
161.1	32.6	35.5	38.2	40.3
171.8**	35.1	38.2	41.2	43.5
180.4	37.1	40.5	43.6	46.0
199.7	41.6	45.5	49.1	51.7
219.1	46.3	50.7	54.7	57.6
238.4	51.0	56.0	60.4	63.6
257.7	55.9	61.4	66.2	69.6

* Minimum operating weight

** Maximum takeoff weight

EC-135A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
119.3*	11.4	11.5	12.6	15.5
156.3	15.3	15.9	18.0	22.9
193.3	19.8	20.8	23.7	31.1
230.3	24.4	25.8	30.1	39.8
267.3	29.2	31.4	37.6	49.1
301.6**	33.7	37.0	44.7	58.0
304.4	34.1	37.5	45.3	58.8
341.4	40.2	44.0	53.6	68.9
378.4	45.8	50.7	62.1	79.0
415.4	51.8	58.0	71.1	89.4
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
119.3*	10.6	11.4	13.0	15.0
156.3	14.1	15.8	18.4	21.4
193.3	17.9	20.6	24.5	28.6
230.3	22.0	26.0	31.2	36.2
267.3	26.5	31.8	38.4	44.4
301.6**	30.9	37.7	45.5	52.4
304.4	31.3	38.1	46.1	53.0
341.4	36.5	44.9	54.1	62.0
378.4	42.1	52.1	62.6	71.3
415.4	48.1	59.7	71.5	81.0
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
135.6*	13.1	13.4	15.0	18.7
170.8	17.1	17.7	20.2	26.0
206.0	21.3	22.5	25.9	34.0
241.2	25.8	27.4	32.1	42.5
276.4	30.4	32.9	39.4	51.5
301.6**	33.7	37.0	44.7	58.0
311.6	35.1	38.7	46.8	60.7
346.8	41.1	45.0	54.8	70.3
382.0	46.3	51.4	63.0	80.0
417.2	52.1	58.3	71.5	89.9
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
135.6*	12.1	13.3	15.3	17.7
170.8	15.5	17.6	20.8	24.2
206.0	19.3	22.4	26.7	31.1
241.2	23.4	27.6	33.3	38.6
276.4	27.6	33.4	40.2	46.5
301.6**	30.9	37.7	45.5	52.4
311.6	32.3	39.4	47.6	54.8
346.8	37.3	45.9	55.4	63.3
382.0	42.7	52.8	63.6	72.2
417.2	48.4	60.1	71.9	81.4
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135E
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
116.0*	11.1	11.1	12.2	15.0
153.4	15.0	15.5	17.6	22.2
190.8	19.5	20.4	23.3	30.5
228.1	24.1	25.5	29.7	39.2
265.5	29.0	31.1	37.2	48.7
301.6**	33.7	37.0	44.7	58.0
302.9	33.9	37.2	44.9	58.4
340.3	40.1	43.8	53.3	68.6
377.6	45.7	50.6	61.9	78.8
415.0	51.7	57.9	71.0	89.3
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
116.0*	10.3	11.1	12.5	14.4
153.4	13.8	15.4	18.0	20.9
190.8	17.6	20.3	24.1	28.1
228.1	21.9	25.7	30.8	35.8
265.5	26.3	31.6	38.0	44.0
301.6**	30.9	37.7	45.5	52.4
302.9	31.1	37.9	45.7	52.7
340.3	36.4	44.7	53.9	61.7
377.6	42.0	52.0	62.5	71.1
415.0	48.0	59.6	71.4	80.9
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135G
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
122.8*	11.8	11.9	13.1	16.1
159.4	15.7	16.3	18.5	23.5
196.0	20.1	21.1	24.2	31.7
232.7	24.7	26.1	30.5	40.4
269.3	29.5	31.7	38.0	49.6
301.6**	33.7	37.0	44.7	58.0
305.9	34.3	37.7	45.6	59.2
342.5	40.4	44.2	53.8	69.2
379.2	45.9	50.8	62.3	79.2
415.8	51.8	58.0	71.2	89.5
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
122.8*	10.9	11.8	13.5	15.5
159.4	14.4	16.2	18.9	22.0
196.0	18.2	21.0	25.0	29.1
232.7	22.4	26.3	31.6	36.7
269.3	26.7	32.2	38.8	44.9
301.6**	30.9	37.7	45.5	52.4
305.9	31.5	38.4	46.4	53.4
342.5	36.7	45.1	54.4	62.2
379.2	42.2	52.3	62.8	71.5
415.8	48.1	59.8	71.6	81.1
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135H
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
139.4*	13.5	13.8	15.5	19.4
174.2	17.5	18.1	20.7	26.8
209.0	21.7	22.9	26.4	34.6
243.7	26.1	27.7	32.6	43.1
278.5	30.7	33.2	39.8	52.0
301.6**	33.7	37.0	44.7	58.0
313.3	35.4	39.0	47.2	61.2
348.1	41.3	45.2	55.1	70.7
382.8	46.5	51.5	63.2	80.3
417.6	52.1	58.4	71.6	90.0
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
139.4*	12.5	13.7	15.9	18.4
174.2	15.9	18.0	21.3	24.8
209.0	19.6	22.8	27.3	31.7
243.7	23.6	28.0	33.7	39.2
278.5	27.9	33.7	40.7	47.0
301.6**	30.9	37.7	45.5	52.4
313.3	32.5	39.7	48.0	55.2
348.1	37.5	46.2	55.6	63.6
382.8	42.8	53.0	63.8	72.5
417.6	48.5	60.2	72.0	81.6
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135J
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
138.1*	13.4	13.7	15.3	19.1
173.0	17.4	18.0	20.5	26.5
207.9	21.6	22.8	26.2	34.4
242.9	26.0	27.6	32.4	42.9
277.8	30.6	33.1	39.7	51.8
301.6**	33.7	37.0	44.7	58.0
312.7	35.3	38.9	47.1	61.0
347.6	41.2	45.1	55.0	70.6
382.6	46.4	51.5	63.1	80.2
417.5	52.1	58.4	71.6	90.0
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
138.1*	12.3	13.6	15.7	18.2
173.0	15.8	17.9	21.1	24.6
207.9	19.5	22.7	27.1	31.5
242.9	23.5	27.9	33.6	39.0
277.8	27.8	33.6	40.5	46.8
301.6**	30.9	37.7	45.5	52.4
312.7	32.5	39.6	47.8	55.0
347.6	37.5	46.1	55.5	63.5
382.6	42.8	52.9	63.6	72.4
417.5	48.4	60.1	72.0	81.5
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135K
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
134.4*	13.0	13.2	14.8	18.4
169.7	17.0	17.5	20.0	25.8
205.1	21.2	22.4	25.7	33.7
240.4	25.7	27.2	32.0	42.3
275.7	30.3	32.8	39.3	51.3
301.6**	33.7	37.0	44.7	58.0
311.1	35.1	38.6	46.7	60.6
346.4	41.0	44.9	54.7	70.2
381.7	46.3	51.3	62.9	79.9
417.1	52.1	58.3	71.5	89.9
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
134.4*	12.0	13.1	15.1	17.5
169.7	15.4	17.5	20.6	24.0
205.1	19.1	22.3	26.6	30.9
240.4	23.2	27.5	33.1	38.4
275.7	27.5	33.2	40.1	46.3
301.6**	30.9	37.7	45.5	52.4
311.1	32.2	39.3	47.5	54.6
346.4	37.3	45.8	55.3	63.2
381.7	42.6	52.8	63.5	72.2
417.1	48.4	60.0	71.9	81.4
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135L
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
112.8*	10.8	10.8	11.8	14.4
150.5	14.7	15.2	17.1	21.6
188.3	19.2	20.1	22.9	29.9
226.0	23.9	25.2	29.4	38.7
263.7	28.7	30.8	36.9	48.2
301.5**	33.7	37.0	44.6	58.0
301.6	33.7	37.0	44.7	58.0
339.2	39.9	43.6	53.1	68.3
376.9	45.6	50.4	61.8	78.6
414.7	51.6	57.8	70.9	89.2
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
112.8*	10.0	10.7	12.1	13.9
150.5	13.5	15.1	17.5	20.4
188.3	17.3	19.9	23.7	27.6
226.0	21.6	25.3	30.4	35.3
263.7	26.1	31.3	37.7	43.6
301.5**	30.9	37.6	45.4	52.4
301.6	30.9	37.7	45.5	52.4
339.2	36.2	44.5	53.7	61.4
376.9	41.9	51.8	62.3	70.9
414.7	48.0	59.5	71.3	80.8
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135P
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
134.1*	13.0	13.2	14.8	18.4
169.5	17.0	17.5	20.0	25.7
204.8	21.2	22.3	25.7	33.7
240.2	25.7	27.2	31.9	42.2
275.6	30.3	32.7	39.2	51.3
301.6**	33.7	37.0	44.7	58.0
310.9	35.0	38.6	46.7	60.5
346.3	41.0	44.9	54.7	70.2
381.7	46.3	51.3	62.9	79.9
417.0	52.0	58.3	71.5	89.9
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
134.1*	12.0	13.1	15.1	17.5
169.5	15.4	17.4	20.5	23.9
204.8	19.1	22.2	26.5	30.9
240.2	23.2	27.5	33.1	38.4
275.6	27.5	33.2	40.1	46.3
301.6**	30.9	37.7	45.5	52.4
310.9	32.2	39.3	47.5	54.6
346.3	37.3	45.8	55.2	63.2
381.7	42.6	52.8	63.5	72.1
417.0	48.4	60.0	71.9	81.4
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

EC-135Y
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
113.7*	10.9	10.9	11.9	14.6
146.9	14.3	14.7	16.6	20.9
180.1	18.2	18.8	21.6	28.1
213.3	22.3	23.5	27.1	35.7
246.5	26.5	28.2	33.1	43.8
275.0**	30.2	32.6	39.1	51.1
279.7	30.8	33.4	40.1	52.3
312.9	35.3	38.9	47.1	61.1
346.1	41.0	44.8	54.6	70.1
379.3	45.9	50.9	62.3	79.3
412.5	51.3	57.4	70.4	88.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
113.7*	10.1	10.8	12.2	14.0
146.9	13.2	14.6	17.0	19.7
180.1	16.5	18.8	22.3	26.0
213.3	20.1	23.5	28.1	32.6
246.5	24.0	28.5	34.3	39.8
275.0**	27.4	33.1	39.9	46.2
279.7	28.0	33.9	40.9	47.2
312.9	32.5	39.7	47.9	55.1
346.1	37.2	45.8	55.2	63.1
379.3	42.3	52.3	62.8	71.5
412.5	47.6	59.1	70.8	80.2

* Minimum operating weight

** Maximum takeoff weight

EH-101 NSA
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.2*	4.1	4.2	4.6	5.3
26.3	4.8	4.8	5.3	6.2
29.5	5.4	5.5	6.1	7.1
32.6	6.1	6.2	6.9	8
34.4	6.5	6.7	7.4	8.5
35.8**	6.8	7	7.8	8.8
39	7.5	7.8	8.6	9.7
42.1	8.2	8.5	9.5	10.6
45.3	8.9	9.2	10.5	11.5
48.4	9.7	10.1	11.4	12.4
51.6	10.4	10.9	12.3	13.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
23.2*	4.6	4.9	5.2	5.4
26.3	5.4	5.8	6	6.2
29.5	6.2	6.6	6.9	7.1
32.6	7	7.4	7.8	8
34.4	7.4	7.9	8.3	8.5
35.8**	7.8	8.3	8.6	8.9
39	8.6	9.1	9.5	9.8
42.1	9.5	10	10.4	10.7
45.3	10.3	10.9	11.4	11.6
48.4	11.2	11.8	12.3	12.6
51.6	12.1	12.7	13.2	13.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from CH-53E which is in the PCASE Library

Same landing gear configuration

Similar MTOW and ACN

F-4C/D/E
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
35.2*	15.3	14.9	14.6	14.4
41.0	17.8	17.3	17.0	16.8
46.7	20.3	19.7	19.4	19.2
52.5	22.8	22.2	21.8	21.5
58.0	25.2	24.5	24.1	23.8
58.2**	25.3	24.6	24.2	23.9
64.0	27.8	27.0	26.6	26.2
69.7	30.3	29.5	29.0	28.6
75.5	32.8	31.9	31.4	31.0
81.2	35.3	34.3	33.8	33.3
87.0	37.8	36.8	36.2	35.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
35.2*	15.9	15.9	15.7	15.5
41.0	18.5	18.5	18.4	18.0
46.7	21.2	21.2	21.0	20.6
52.5	23.8	23.8	23.6	23.1
58.0	26.4	26.4	26.1	25.6
58.2**	26.5	26.5	26.2	25.7
64.0	29.1	29.1	28.8	28.3
69.7	31.8	31.8	31.4	30.8
75.5	34.5	34.4	34.1	33.4
81.2	37.1	37.1	36.7	36.0
87.0	39.8	39.7	39.3	38.5

* Minimum operating weight

** Maximum takeoff weight

F-14
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.7*	14.5	14.1	14.0	13.8
44.7	17.7	17.2	17.0	16.9
52.7	20.9	20.3	20.1	19.9
60.8	24.1	23.3	23.2	22.9
68.8	27.2	26.4	26.2	25.9
72.6**	28.8	27.9	27.7	27.4
76.8	30.4	29.5	29.3	29.0
84.8	33.6	32.6	32.3	32.0
92.9	36.8	35.7	35.4	35.0
100.9	40.0	38.8	38.4	38.0
108.9	43.1	41.8	41.5	41.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
36.7*	14.9	14.9	14.8	14.6
44.7	18.2	18.2	18.1	17.8
52.7	21.5	21.6	21.4	21.0
60.8	24.8	24.9	24.7	24.3
68.8	28.2	28.2	28.0	27.5
72.6**	29.7	29.8	29.5	29.0
76.8	31.5	31.5	31.3	30.7
84.8	34.8	34.9	34.6	34.0
92.9	38.1	38.2	37.9	37.2
100.9	41.5	41.5	41.2	40.4
108.9	44.8	44.9	44.5	43.7

* Minimum operating weight

** Maximum takeoff weight

F-15A Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.5*	11.5	11.2	11.0	10.9
33.8	14.1	13.8	13.6	13.4
40.1	16.8	16.3	16.1	15.9
46.3	19.4	18.9	18.6	18.4
52.6	22.1	21.5	21.1	20.9
56.0**	23.5	22.8	22.5	22.2
58.9	24.7	24.0	23.7	23.3
65.2	27.3	26.6	26.2	25.8
71.4	30.0	29.1	28.7	28.3
77.7	32.6	31.7	31.2	30.8
84.0	35.2	34.3	33.7	33.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.5*	11.9	11.9	11.8	11.6
33.8	14.7	14.7	14.6	14.3
40.1	17.5	17.5	17.3	17.0
46.3	20.3	20.3	20.1	19.7
52.6	23.1	23.1	22.8	22.4
56.0**	24.6	24.6	24.3	23.9
58.9	25.9	25.8	25.6	25.1
65.2	28.7	28.6	28.3	27.8
71.4	31.5	31.4	31.1	30.5
77.7	34.3	34.2	33.9	33.2
84.0	37.1	37.0	36.6	35.9

* Minimum operating weight

** Maximum takeoff weight

F-15B Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.5*	11.5	11.2	11.0	10.9
33.8	14.1	13.8	13.6	13.4
40.1	16.8	16.3	16.1	15.9
46.3	19.4	18.9	18.6	18.4
52.6	22.1	21.5	21.1	20.9
56.0**	23.5	22.8	22.5	22.2
58.9	24.7	24.0	23.7	23.3
65.2	27.3	26.6	26.2	25.8
71.4	30.0	29.1	28.7	28.3
77.7	32.6	31.7	31.2	30.8
84.0	35.2	34.3	33.7	33.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.5*	11.9	11.9	11.8	11.6
33.8	14.7	14.7	14.6	14.3
40.1	17.5	17.5	17.3	17.0
46.3	20.3	20.3	20.1	19.7
52.6	23.1	23.1	22.8	22.4
56.0**	24.6	24.6	24.3	23.9
58.9	25.9	25.8	25.6	25.1
65.2	28.7	28.6	28.3	27.8
71.4	31.5	31.4	31.1	30.5
77.7	34.3	34.2	33.9	33.2
84.0	37.1	37.0	36.6	35.9

* Minimum operating weight

** Maximum takeoff weight

F-15C Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.2*	12.3	11.9	11.5	11.3
36.4	15.9	15.3	14.8	14.5
44.6	19.5	18.8	18.2	17.8
52.8	23.0	22.2	21.5	21.1
61.0	26.6	25.7	24.9	24.4
68.0**	29.7	28.7	27.7	27.2
69.2	30.2	29.2	28.2	27.6
77.4	33.8	32.6	31.6	30.9
85.6	37.3	36.1	34.9	34.2
93.8	40.9	39.5	38.3	37.5
102.0	44.5	43.0	41.6	40.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
28.2*	13.2	13.1	12.9	12.6
36.4	17.1	17.0	16.7	16.4
44.6	21.0	20.9	20.6	20.1
52.8	25.0	24.8	24.4	23.8
61.0	28.9	28.7	28.2	27.6
68.0**	32.3	32.1	31.5	30.8
69.2	32.9	32.7	32.1	31.3
77.4	36.9	36.6	36.0	35.1
85.6	40.9	40.5	39.8	38.8
93.8	44.9	44.5	43.7	42.6
102.0	48.9	48.4	47.6	46.3

* Minimum operating weight

** Maximum takeoff weight

F-15D Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
28.2*	12.3	11.9	11.5	11.3
36.4	15.9	15.3	14.8	14.5
44.6	19.5	18.8	18.2	17.8
52.8	23.0	22.2	21.5	21.1
61.0	26.6	25.7	24.9	24.4
68.0**	29.7	28.7	27.7	27.2
69.2	30.2	29.2	28.2	27.6
77.4	33.8	32.6	31.6	30.9
85.6	37.3	36.1	34.9	34.2
93.8	40.9	39.5	38.3	37.5
102.0	44.5	43.0	41.6	40.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
28.2*	13.2	13.1	12.9	12.6
36.4	17.1	17.0	16.7	16.4
44.6	21.0	20.9	20.6	20.1
52.8	25.0	24.8	24.4	23.8
61.0	28.9	28.7	28.2	27.6
68.0**	32.3	32.1	31.5	30.8
69.2	32.9	32.7	32.1	31.3
77.4	36.9	36.6	36.0	35.1
85.6	40.9	40.5	39.8	38.8
93.8	44.9	44.5	43.7	42.6
102.0	48.9	48.4	47.6	46.3

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
31.7*	13.6	13.2	12.9	12.6
41.7	17.9	17.4	16.9	16.6
51.7	22.2	21.5	21.0	20.6
61.6	26.4	25.7	25.0	24.5
71.6	30.7	29.9	29.1	28.5
81.0**	34.7	33.8	32.9	32.3
81.6	35.0	34.0	33.1	32.5
91.6	39.3	38.2	37.2	36.5
101.5	43.5	42.4	41.2	40.4
111.5	47.8	46.5	45.3	44.4
121.5	52.1	50.7	49.3	48.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
31.7*	14.4	14.4	14.2	13.9
41.7	19.1	19.0	18.7	18.3
51.7	23.7	23.6	23.3	22.8
61.6	28.4	28.2	27.8	27.2
71.6	33.1	32.9	32.4	31.7
81.0**	37.5	37.3	36.7	35.9
81.6	37.7	37.5	37.0	36.1
91.6	42.4	42.2	41.6	40.6
101.5	47.1	46.9	46.1	45.1
111.5	51.8	51.5	50.7	49.5
121.5	56.5	56.2	55.3	54.0

* Minimum operating weight

** Maximum takeoff weight

F-15E Eagle W/Conformal Tanks
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
31.7*	13.6	13.2	12.9	12.6
41.7	17.9	17.4	16.9	16.6
51.7	22.2	21.5	21.0	20.6
61.6	26.4	25.7	25.0	24.5
71.6	30.7	29.9	29.1	28.5
81.0**	34.7	33.8	32.9	32.3
81.6	35.0	34.0	33.1	32.5
91.6	39.3	38.2	37.2	36.5
101.5	43.5	42.4	41.2	40.4
111.5	47.8	46.5	45.3	44.4
121.5	52.1	50.7	49.3	48.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
31.7*	14.4	14.4	14.2	13.9
41.7	19.1	19.0	18.7	18.3
51.7	23.7	23.6	23.3	22.8
61.6	28.4	28.2	27.8	27.2
71.6	33.1	32.9	32.4	31.7
81.0**	37.5	37.3	36.7	35.9
81.6	37.7	37.5	37.0	36.1
91.6	42.4	42.2	41.6	40.6
101.5	47.1	46.9	46.1	45.1
111.5	51.8	51.5	50.7	49.5
121.5	56.5	56.2	55.3	54.0

* Minimum operating weight

** Maximum takeoff weight

**F-16A Fighting Falcon
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.2*	6.6	6.4	6.2	6.2
20.3	8.2	8.0	7.8	7.7
24.4	9.9	9.6	9.4	9.3
28.5	11.6	11.2	11.0	10.8
32.6	13.2	12.8	12.6	12.4
35.4**	14.4	13.9	13.6	13.4
36.7	14.9	14.4	14.1	13.9
40.8	16.6	16.0	15.7	15.5
44.9	18.2	17.6	17.3	17.1
49.0	19.9	19.3	18.9	18.6
53.1	21.6	20.9	20.5	20.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
16.2*	6.8	6.8	6.7	6.6
20.3	8.5	8.5	8.4	8.3
24.4	10.3	10.3	10.2	10.0
28.5	12.0	12.0	11.9	11.7
32.6	13.8	13.8	13.6	13.4
35.4**	15.0	15.0	14.8	14.6
36.7	15.6	15.5	15.4	15.1
40.8	17.3	17.3	17.1	16.8
44.9	19.1	19.1	18.9	18.5
49.0	20.9	20.8	20.6	20.2
53.1	22.6	22.6	22.4	21.9

* Minimum operating weight

** Maximum takeoff weight

**F-16B Fighting Falcon
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.2*	6.6	6.4	6.2	6.2
20.3	8.2	8.0	7.8	7.7
24.4	9.9	9.6	9.4	9.3
28.5	11.6	11.2	11.0	10.8
32.6	13.2	12.8	12.6	12.4
35.4**	14.4	13.9	13.6	13.4
36.7	14.9	14.4	14.1	13.9
40.8	16.6	16.0	15.7	15.5
44.9	18.2	17.6	17.3	17.1
49.0	19.9	19.3	18.9	18.6
53.1	21.6	20.9	20.5	20.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
16.2*	6.8	6.8	6.7	6.6
20.3	8.5	8.5	8.4	8.3
24.4	10.3	10.3	10.2	10.0
28.5	12.0	12.0	11.9	11.7
32.6	13.8	13.8	13.6	13.4
35.4**	15.0	15.0	14.8	14.6
36.7	15.6	15.5	15.4	15.1
40.8	17.3	17.3	17.1	16.8
44.9	19.1	19.1	18.9	18.5
49.0	20.9	20.8	20.6	20.2
53.1	22.6	22.6	22.4	21.9

* Minimum operating weight

** Maximum takeoff weight

**F-16C Fighting Falcon
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.8*	6.8	6.6	6.5	6.4
21.2	8.6	8.3	8.2	8.0
25.6	10.4	10.0	9.9	9.7
30.0	12.2	11.8	11.5	11.4
34.3	14.0	13.5	13.2	13.0
37.5**	15.2	14.7	14.4	14.2
38.7	15.7	15.2	14.9	14.7
43.1	17.5	16.9	16.6	16.4
47.5	19.3	18.7	18.3	18.0
51.9	21.1	20.4	20.0	19.7
56.3	22.8	22.1	21.7	21.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
16.8*	7.0	7.0	7.0	6.9
21.2	8.9	8.9	8.8	8.7
25.6	10.8	10.8	10.7	10.5
30.0	12.6	12.6	12.5	12.3
34.3	14.5	14.5	14.4	14.1
37.5**	15.9	15.9	15.7	15.4
38.7	16.4	16.4	16.2	15.9
43.1	18.3	18.3	18.1	17.8
47.5	20.2	20.2	20.0	19.6
51.9	22.1	22.1	21.8	21.4
56.3	24.0	24.0	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

**F-16D Fighting Falcon
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.4*	7.1	6.8	6.7	6.6
21.7	8.8	8.6	8.4	8.3
26.0	10.6	10.2	10.0	9.9
30.4	12.3	11.9	11.7	11.5
34.7	14.0	13.6	13.4	13.2
37.5**	15.2	14.7	14.4	14.2
39.0	15.8	15.3	15.0	14.8
43.3	17.6	17.0	16.7	16.5
47.6	19.3	18.7	18.3	18.1
51.9	21.1	20.4	20.0	19.7
56.3	22.8	22.1	21.7	21.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
17.4*	7.3	7.3	7.2	7.1
21.7	9.1	9.1	9.0	8.9
26.0	11.0	11.0	10.9	10.7
30.4	12.8	12.8	12.7	12.5
34.7	14.7	14.7	14.5	14.3
37.5**	15.9	15.9	15.7	15.4
39.0	16.5	16.5	16.3	16.0
43.3	18.4	18.4	18.2	17.8
47.6	20.3	20.2	20.0	19.6
51.9	22.1	22.1	21.9	21.4
56.3	24.0	24.0	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

F-22 Raptor
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.8*	18.9	18.2	17.6	17.2
53.9	22.7	21.9	21.2	20.7
62.9	26.6	25.6	24.7	24.2
72.0	30.4	29.3	28.3	27.7
81.0	34.2	32.9	31.9	31.2
84.2**	35.5	34.2	33.1	32.4
90.1	38.0	36.6	35.4	34.7
99.1	41.8	40.3	39.0	38.1
108.2	45.7	44.0	42.5	41.6
117.2	49.5	47.7	46.1	45.1
126.3	53.3	51.4	49.7	48.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
44.8*	20.6	20.4	20.1	19.6
53.9	24.9	24.7	24.2	23.6
62.9	29.1	28.9	28.4	27.7
72.0	33.4	33.1	32.5	31.7
81.0	37.7	37.4	36.7	35.7
84.2**	39.2	38.9	38.1	37.1
90.1	42.0	41.6	40.8	39.8
99.1	46.3	45.9	45.0	43.8
108.2	50.6	50.1	49.2	47.8
117.2	55.0	54.4	53.3	51.9
126.3	59.3	58.7	57.5	55.9

* Minimum operating weight

** Maximum takeoff weight

F-35A Joint Strike Fighter CTOL
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.0*	12.6	12.2	11.9	11.7
37.1	16.1	15.6	15.2	14.9
45.2	19.6	19.0	18.5	18.2
53.3	23.1	22.4	21.8	21.4
61.4	26.6	25.8	25.1	24.7
68.0**	29.4	28.5	27.8	27.3
69.5	30.1	29.2	28.5	28.0
77.6	33.6	32.6	31.8	31.2
85.7	37.1	36.0	35.1	34.5
93.8	40.6	39.4	38.4	37.7
101.9	44.1	42.8	41.7	41.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.0*	13.2	13.1	13.0	12.7
37.1	16.9	16.9	16.7	16.4
45.2	20.7	20.6	20.4	20.0
53.3	24.5	24.4	24.1	23.6
61.4	28.3	28.2	27.8	27.2
68.0**	31.3	31.2	30.8	30.1
69.5	32.1	31.9	31.5	30.8
77.6	35.9	35.7	35.2	34.5
85.7	39.7	39.5	39.0	38.1
93.8	43.5	43.3	42.7	41.7
101.9	47.3	47.1	46.4	45.3

* Minimum operating weight

** Maximum takeoff weight

F-35B Joint Strike Fighter STOVL
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
32.3*	13.5	12.9	12.8	12.7
39.0	16.2	15.6	15.5	15.3
45.6	19.0	18.3	18.2	17.9
52.3	21.8	21.0	20.8	20.5
58.9	24.6	23.6	23.5	23.1
61.5**	25.6	24.7	24.5	24.1
65.6	27.3	26.3	26.1	25.8
72.3	30.1	29.0	28.8	28.4
78.9	32.9	31.7	31.4	31.0
85.6	35.7	34.3	34.1	33.6
92.3	38.4	37.0	36.7	36.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
32.3*	13.8	13.9	13.7	13.5
39.0	16.8	16.8	16.6	16.3
45.6	19.7	19.7	19.5	19.2
52.3	22.6	22.6	22.4	22.0
58.9	25.5	25.5	25.3	24.8
61.5**	26.6	26.6	26.4	25.9
65.6	28.4	28.4	28.1	27.6
72.3	31.4	31.4	31.0	30.5
78.9	34.3	34.3	33.9	33.3
85.6	37.2	37.2	36.8	36.1
92.3	40.1	40.1	39.7	38.9

* Minimum operating weight

** Maximum takeoff weight

F-35C Joint Strike Fighter CV
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
35.2*	14.6	14.1	14.0	13.8
43.0	17.9	17.2	17.1	16.8
50.8	21.1	20.3	20.2	19.9
58.7	24.4	23.5	23.3	23.0
66.5	27.6	26.6	26.4	26.0
70.4**	29.2	28.2	27.9	27.6
74.3	30.9	29.7	29.5	29.1
82.1	34.1	32.8	32.6	32.2
90.0	37.4	36.0	35.7	35.2
97.8	40.6	39.1	38.8	38.3
105.6	43.9	42.2	41.9	41.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
35.2*	15.1	15.1	14.9	14.7
43.0	18.5	18.5	18.3	18.0
50.8	21.9	21.9	21.7	21.3
58.7	25.3	25.3	25.1	24.6
66.5	28.7	28.7	28.4	27.9
70.4**	30.5	30.4	30.1	29.6
74.3	32.2	32.2	31.8	31.2
82.1	35.6	35.6	35.2	34.5
90.0	39.0	39.0	38.6	37.9
97.8	42.5	42.4	42.0	41.2
105.6	45.9	45.9	45.4	44.5

* Minimum operating weight

** Maximum takeoff weight

F-111D-F
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
53.0*	21.9	21.4	21.5	21.5
63.8	26.4	25.7	25.8	25.8
74.6	30.8	30.1	30.2	30.2
85.3	35.3	34.4	34.6	34.5
96.1	39.8	38.8	38.9	38.9
100.0**	41.4	40.4	40.5	40.5
106.9	44.2	43.1	43.3	43.3
117.7	48.7	47.5	47.7	47.6
128.4	53.1	51.9	52.0	52.0
139.2	57.6	56.2	56.4	56.4
150.0	62.1	60.6	60.8	60.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
53.0*	21.7	21.9	21.9	21.6
63.8	26.1	26.4	26.4	26.1
74.6	30.5	30.9	30.8	30.5
85.3	35.0	35.3	35.3	34.9
96.1	39.4	39.8	39.8	39.3
100.0**	41.0	41.4	41.4	40.9
106.9	43.8	44.3	44.2	43.7
117.7	48.2	48.8	48.7	48.1
128.4	52.7	53.2	53.2	52.5
139.2	57.1	57.7	57.7	56.9
150.0	61.5	62.2	62.1	61.3

* Minimum operating weight

** Maximum takeoff weight

F-117A Nighthawk
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.7*	12.8	12.4	12.1	11.8
36.0	15.1	14.6	14.2	13.9
41.4	17.3	16.8	16.3	15.9
46.7	19.5	18.9	18.4	18.0
52.1	21.8	21.1	20.4	20.1
52.5**	22.0	21.3	20.6	20.2
57.4	24.0	23.3	22.5	22.1
62.7	26.2	25.4	24.6	24.2
68.1	28.5	27.6	26.7	26.2
73.4	30.7	29.7	28.8	28.3
78.8	32.9	31.9	30.9	30.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
30.7*	13.7	13.6	13.4	13.1
36.0	16.1	16.0	15.8	15.5
41.4	18.5	18.4	18.2	17.8
46.7	21.0	20.9	20.5	20.1
52.1	23.4	23.3	22.9	22.4
52.5**	23.6	23.5	23.1	22.6
57.4	25.9	25.7	25.3	24.8
62.7	28.3	28.2	27.7	27.1
68.1	30.8	30.6	30.1	29.4
73.4	33.2	33.0	32.5	31.7
78.8	35.7	35.5	34.9	34.1

* Minimum operating weight

** Maximum takeoff weight

FA-18F
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.0*	11.6	11.1	11.2	11.1
37.7	14.5	14.0	14.0	13.9
45.3	17.5	16.8	16.9	16.8
53.0	20.5	19.7	19.7	19.6
60.7	23.4	22.5	22.6	22.5
66.0**	25.5	24.5	24.6	24.4
68.3	26.4	25.4	25.5	25.3
76.0	29.3	28.2	28.3	28.1
83.7	32.3	31.1	31.2	31.0
91.3	35.2	33.9	34.0	33.8
99.0	38.2	36.7	36.9	36.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
30.0*	11.4	11.5	11.4	11.3
37.7	14.3	14.4	14.4	14.2
45.3	17.3	17.4	17.4	17.2
53.0	20.2	20.4	20.3	20.1
60.7	23.2	23.3	23.3	23.0
66.0**	25.2	25.4	25.3	25.0
68.3	26.1	26.3	26.2	25.9
76.0	29.1	29.3	29.2	28.8
83.7	32.0	32.3	32.2	31.7
91.3	35.0	35.2	35.1	34.7
99.0	37.9	38.2	38.1	37.6

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-100
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
90.0*	7.2	7.7	8.8	11.4
96.7	7.9	8.4	9.7	12.5
100.0	8.2	8.6	10.2	13.1
103.3	8.5	9.0	10.7	13.8
110.0	9.2	9.8	11.6	15.0
116.7**	9.9	10.6	12.7	16.3
123.3	10.6	11.4	13.7	17.5
130.0	11.4	12.2	14.8	18.8
136.7	12.5	13.1	15.8	20.1
143.3	13.2	14.1	16.9	21.5
150.0	14.0	15.1	18.0	22.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
90.0*	8.8	10.5	12.6	14.6
96.7	9.7	11.6	13.9	16.1
100.0	10.1	12.1	14.6	16.8
103.3	10.5	12.7	15.3	17.6
110.0	11.5	13.9	16.7	19.1
116.7**	12.4	15.1	18.2	20.7
123.3	13.4	16.3	19.7	22.3
130.0	14.4	17.6	21.2	23.8
136.7	15.4	18.9	22.7	25.5
143.3	16.5	20.3	24.3	27.1
150.0	17.6	21.7	25.9	28.8

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-150
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
140.0*	12.8	13.8	16.5	20.9
149.4	13.9	15.2	18.0	22.8
150.0	14.0	15.3	18.1	22.9
158.9	14.8	16.5	19.6	24.8
168.3	16.1	18.0	21.3	26.8
177.8**	17.4	19.5	22.9	28.8
187.2	18.7	21.1	24.6	31.0
196.7	20.0	22.6	26.7	33.2
206.1	21.2	24.2	28.5	35.4
215.6	22.9	25.8	30.4	37.6
225.0	24.3	27.5	32.2	39.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
140.0*	16.9	20.4	24.2	26.9
149.4	18.6	22.5	26.5	29.2
150.0	18.7	22.6	26.7	29.3
158.9	20.3	24.6	28.9	31.6
168.3	22.0	26.8	31.2	34.0
177.8**	23.9	29.0	33.7	36.5
187.2	25.8	31.3	36.2	38.9
196.7	27.8	33.7	38.7	41.4
206.1	29.8	36.1	41.2	43.9
215.6	31.8	38.5	43.8	46.4
225.0	33.9	41.0	46.4	49.0

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-200
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
190.0*	18.7	21.0	25.0	31.1
200.0	20.1	22.6	26.8	33.3
202.2	20.4	23.0	27.3	33.9
214.4	22.0	25.0	29.6	36.8
226.7	23.7	27.1	31.9	39.7
238.9**	25.8	29.1	34.3	42.6
251.1	27.8	31.3	36.7	45.6
263.3	29.8	33.5	39.2	48.6
275.6	31.8	35.7	41.7	51.7
287.8	33.9	38.0	44.2	54.7
300.0	36.0	40.2	46.9	57.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
190.0*	26.3	31.7	36.5	39.3
200.0	28.4	34.2	39.1	41.9
202.2	28.9	34.7	39.7	42.5
214.4	31.4	37.8	43.0	45.7
226.7	34.1	40.9	46.3	49.0
238.9**	36.9	44.1	49.7	52.3
251.1	39.9	47.4	53.0	55.6
263.3	42.9	50.8	56.5	59.0
275.6	45.9	54.2	59.9	62.3
287.8	49.2	57.7	63.4	65.8
300.0	52.5	61.2	66.9	69.2

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-300
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
290.0*	30.2	33.8	40.6	51.5
300.0	31.7	35.5	42.5	54.0
307.8	32.9	36.8	44.1	55.9
325.6	35.6	39.9	47.8	60.4
343.3	38.3	43.7	51.5	64.9
361.1**	41.2	47.1	55.3	69.3
378.9	44.1	50.5	59.1	73.8
396.7	46.9	53.9	63.1	78.3
414.4	49.9	57.4	67.1	83.0
432.2	53.3	60.8	71.1	87.7
450.0	57.6	64.4	75.2	92.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
290.0*	42.0	50.3	57.1	60.5
300.0	44.2	52.8	59.7	63.1
307.8	45.8	54.8	61.7	65.2
325.6	49.8	59.4	66.4	69.9
343.3	54.1	64.1	71.1	74.7
361.1**	58.4	68.8	75.9	79.5
378.9	62.8	73.6	80.8	84.4
396.7	67.2	78.5	85.7	89.4
414.4	71.8	83.5	90.7	94.5
432.2	76.5	88.6	95.7	99.7
450.0	81.3	93.6	100.7	104.7

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual Tan-400
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
399.0*	43.7	49.9	59.5	76.1
400.0	43.9	50.1	59.7	76.4
421.3	47.4	54.0	64.5	81.8
443.7	51.4	58.4	69.4	87.5
466.0	55.0	62.9	74.4	93.3
488.3**	58.8	67.4	79.5	99.3
510.7	63.1	71.9	84.9	105.4
533.0	67.3	76.5	90.3	111.4
555.3	72.4	81.1	95.8	117.4
577.7	76.9	85.9	101.4	123.4
600.0	81.3	90.9	107.0	129.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
399.0*	61.0	72.0	79.9	84.4
400.0	61.2	72.2	80.1	84.6
421.3	66.0	77.7	85.6	90.4
443.7	71.3	83.4	91.5	96.5
466.0	76.6	89.3	97.4	102.8
488.3**	82.1	95.2	103.4	109.1
510.7	87.8	101.2	109.5	115.6
533.0	93.6	107.2	115.7	122.2
555.3	99.5	113.3	121.9	129.0
577.7	105.5	119.5	128.2	135.9
600.0	111.5	125.7	134.6	142.8

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-10
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.0*	1.5	1.5	1.7	1.9
9.7	1.6	1.7	1.8	2.1
10.0	1.7	1.7	1.9	2.2
10.3	1.7	1.8	2.0	2.3
11.0	1.8	1.9	2.2	2.5
11.7**	2.0	2.1	2.3	2.7
12.3	2.1	2.2	2.5	2.9
13.0	2.3	2.3	2.6	3.0
13.7	2.4	2.5	2.8	3.2
14.3	2.5	2.6	3.0	3.4
15.0	2.7	2.8	3.1	3.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.0*	2.1	2.3	2.4	2.5
9.7	2.3	2.5	2.6	2.7
10.0	2.4	2.6	2.7	2.8
10.3	2.5	2.7	2.8	2.9
11.0	2.7	2.9	3.0	3.2
11.7**	2.9	3.1	3.3	3.4
12.3	3.1	3.3	3.5	3.6
13.0	3.3	3.5	3.7	3.8
13.7	3.5	3.7	3.9	4.0
14.3	3.7	3.9	4.1	4.3
15.0	3.9	4.1	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-20
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.0*	3.6	3.8	4.2	4.8
20.0	3.8	4.0	4.5	5.1
20.2	3.8	4.0	4.6	5.2
21.4	4.1	4.3	4.8	5.6
22.7	4.4	4.6	5.2	5.9
23.9**	4.6	5.0	5.6	6.3
25.1	5.0	5.3	6.0	6.7
26.3	5.3	5.6	6.3	7.1
27.6	5.6	6.0	6.7	7.4
28.8	6.0	6.3	7.1	7.8
30.0	6.4	6.6	7.4	8.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
19.0*	5.1	5.5	5.7	5.9
20.0	5.5	5.8	6.1	6.3
20.2	5.5	5.9	6.2	6.3
21.4	6.0	6.3	6.6	6.8
22.7	6.4	6.7	7.0	7.2
23.9**	6.8	7.2	7.5	7.7
25.1	7.2	7.6	7.9	8.1
26.3	7.6	8.1	8.4	8.6
27.6	8.1	8.5	8.8	9.0
28.8	8.5	9.0	9.3	9.5
30.0	8.9	9.4	9.8	10.0

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-30
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.0*	6.1	6.4	7.2	7.9
30.0	6.4	6.7	7.5	8.2
30.8	6.6	6.9	7.7	8.4
32.6	7.0	7.4	8.2	9.0
34.3	7.5	8.0	8.8	9.5
36.1**	8.0	8.5	9.3	10.1
37.9	8.5	8.9	9.9	10.7
39.7	9.0	9.4	10.4	11.2
41.4	9.5	10.1	11.0	11.8
43.2	10.0	10.6	11.5	12.3
45.0	10.6	11.2	12.1	12.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.0*	8.7	9.2	9.5	9.7
30.0	9.1	9.5	9.9	10.1
30.8	9.4	9.8	10.2	10.4
32.6	10.0	10.5	10.8	11.0
34.3	10.7	11.2	11.5	11.7
36.1**	11.4	11.9	12.2	12.5
37.9	12.0	12.6	12.9	13.2
39.7	12.7	13.3	13.7	13.9
41.4	13.4	14.0	14.4	14.6
43.2	14.1	14.7	15.1	15.3
45.0	14.8	15.4	15.8	16.1

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-45
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.0*	9.2	9.5	10.9	12.1
45.0	9.4	9.9	11.2	12.4
46.6	9.8	10.3	11.7	12.9
49.2	10.5	11.1	12.5	13.8
51.8	11.2	11.8	13.3	14.6
54.4**	11.9	12.6	14.2	15.4
57.1	12.8	13.3	15.0	16.2
59.7	13.4	14.1	15.8	17.1
62.3	14.0	14.9	16.7	17.9
64.9	14.8	15.7	17.5	18.7
67.5	15.5	16.8	18.3	19.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
44.0*	13.0	13.7	14.2	14.5
45.0	13.3	14.1	14.6	14.9
46.6	13.9	14.7	15.2	15.5
49.2	14.9	15.6	16.2	16.5
51.8	15.8	16.6	17.2	17.6
54.4**	16.8	17.6	18.2	18.6
57.1	17.8	18.7	19.3	19.6
59.7	18.8	19.7	20.3	20.7
62.3	19.8	20.7	21.3	21.7
64.9	20.8	21.7	22.4	22.8
67.5	21.8	22.8	23.4	23.9

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-50
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
49.0*	7.1	8.6	10.0	12.3
50.0	7.3	8.8	10.3	12.6
51.9	7.6	9.2	10.8	13.2
54.8	8.1	10.0	11.6	14.0
57.7	8.7	10.7	12.4	14.9
60.6**	9.3	11.4	13.3	15.8
63.4	9.9	12.1	14.1	16.7
66.3	10.5	12.9	15.0	17.6
69.2	11.0	13.7	15.8	18.5
72.1	11.6	14.4	16.6	19.4
75.0	12.2	15.2	17.5	20.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
49.0*	10.5	11.7	12.7	13.4
50.0	10.8	12.0	13.0	13.7
51.9	11.3	12.6	13.6	14.3
54.8	12.1	13.4	14.5	15.2
57.7	12.9	14.3	15.4	16.1
60.6**	13.7	15.2	16.3	17.1
63.4	14.6	16.1	17.3	18.1
66.3	15.4	17.0	18.2	19.0
69.2	16.2	17.9	19.2	20.0
72.1	17.1	18.8	20.1	21.0
75.0	18.0	19.7	21.1	22.0

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-60
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
59.0*	12.6	13.2	15.0	16.6
60.0	12.8	13.5	15.3	16.9
62.4	13.4	14.3	16.1	17.7
65.9	14.1	15.3	17.2	18.8
69.3	15.2	16.6	18.3	19.9
72.8**	16.3	17.7	19.4	21.1
76.2	17.2	18.8	20.6	22.2
79.7	18.2	19.9	21.7	23.3
83.1	19.3	21.0	22.8	24.5
86.6	20.3	22.1	23.9	25.6
90.0	21.4	23.3	25.0	26.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
59.0*	18.1	19.0	19.7	20.1
60.0	18.5	19.4	20.1	20.5
62.4	19.4	20.4	21.0	21.4
65.9	20.7	21.7	22.4	22.8
69.3	22.0	23.1	23.8	24.2
72.8**	23.4	24.4	25.1	25.6
76.2	24.7	25.8	26.5	27.0
79.7	26.0	27.2	28.0	28.5
83.1	27.4	28.6	29.4	29.9
86.6	28.8	30.0	30.8	31.4
90.0	30.2	31.4	32.3	32.9

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-75
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
74.0*	13.5	14.9	17.3	19.8
75.0	13.7	15.2	17.6	20.1
78.3	14.4	16.1	18.6	21.1
82.6	15.3	17.2	20.0	22.5
86.8	16.6	18.3	21.3	23.8
91.1**	17.7	19.5	22.6	25.2
95.4	18.8	21.0	23.9	26.6
99.7	20.0	22.2	25.2	27.9
103.9	21.2	23.4	26.6	29.3
108.2	22.3	24.8	27.9	30.7
112.5	23.5	26.1	29.2	32.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
74.0*	18.9	20.4	21.7	22.4
75.0	19.2	20.8	22.0	22.7
78.3	20.2	21.9	23.1	23.9
82.6	21.6	23.3	24.6	25.4
86.8	23.0	24.8	26.2	27.0
91.1**	24.4	26.3	27.7	28.5
95.4	25.8	27.8	29.2	30.1
99.7	27.3	29.3	30.8	31.7
103.9	28.7	30.8	32.4	33.3
108.2	30.2	32.4	34.0	34.9
112.5	31.7	34.0	35.5	36.5

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-100
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
90.0*	17.8	18.9	21.6	24.5
96.7	19.4	20.7	23.6	26.7
100.0	20.4	21.6	24.7	27.8
103.3	21.3	22.5	25.7	28.8
110.0	23.2	24.5	27.8	31.0
116.7**	24.8	26.5	29.9	33.1
123.3	26.6	28.5	32.0	35.3
130.0	28.4	30.6	34.2	37.5
136.7	30.2	32.6	36.3	39.6
143.3	32.5	34.7	38.4	41.8
150.0	34.6	36.8	40.6	44.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
90.0*	24.4	26.2	27.5	28.3
96.7	26.6	28.5	29.9	30.7
100.0	27.8	29.7	31.1	32.0
103.3	28.9	30.9	32.4	33.2
110.0	31.2	33.3	34.8	35.7
116.7**	33.5	35.8	37.3	38.3
123.3	35.9	38.2	39.8	40.8
130.0	38.3	40.7	42.4	43.4
136.7	40.7	43.2	45.0	46.0
143.3	43.2	45.8	47.6	48.7
150.0	45.7	48.4	50.2	51.4

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-150
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
140.0*	28.4	29.8	33.6	38.6
149.4	30.7	32.2	36.5	41.7
150.0	30.8	32.4	36.7	41.9
158.9	33.0	34.7	39.6	44.8
168.3	35.2	37.3	42.7	47.9
177.8**	37.6	40.0	45.8	51.0
187.2	40.1	42.9	48.9	54.1
196.7	42.5	46.0	51.9	57.2
206.1	45.0	49.1	55.1	60.4
215.6	47.5	52.0	58.2	63.7
225.0	50.9	54.9	61.3	66.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
140.0*	37.7	40.5	42.5	44.0
149.4	40.8	43.7	45.9	47.5
150.0	41.0	43.9	46.1	47.7
158.9	44.0	47.1	49.4	51.0
168.3	47.2	50.5	52.8	54.6
177.8**	50.4	53.9	56.4	58.2
187.2	53.7	57.3	60.0	61.9
196.7	57.0	60.8	63.5	65.7
206.1	60.4	64.3	67.2	69.4
215.6	63.8	67.8	70.9	73.2
225.0	67.2	71.4	74.6	77.1

* Minimum operating weight

** Maximum takeoff weight

**FAA Dual WHL-200
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
190.0*	39.9	42.8	47.4	54.1
200.0	42.3	45.5	50.6	57.5
202.2	42.9	46.2	51.4	58.3
214.4	46.2	49.8	55.4	62.4
226.7	49.4	53.3	59.4	66.6
238.9**	52.7	57.1	63.5	70.8
251.1	56.0	61.0	67.5	74.9
263.3	59.8	64.8	71.6	79.1
275.6	63.4	68.8	75.7	83.3
287.8	67.2	72.8	79.8	87.5
300.0	70.9	76.8	84.0	91.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
190.0*	54.6	58.0	60.6	62.7
200.0	58.1	61.7	64.4	66.6
202.2	58.9	62.5	65.2	67.5
214.4	63.2	67.0	69.9	72.3
226.7	67.5	71.5	74.7	77.3
238.9**	71.9	76.2	79.5	82.3
251.1	76.4	80.8	84.4	87.4
263.3	81.0	85.5	89.3	92.5
275.6	85.5	90.3	94.3	97.7
287.8	90.1	95.1	99.3	102.9
300.0	94.8	100.0	104.4	108.2

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.9*	0.6	0.8	0.9	1.0
3.0	0.7	0.8	1.0	1.0
3.1	0.7	0.8	1.0	1.0
3.3	0.7	0.9	1.0	1.1
3.4	0.8	0.9	1.1	1.2
3.6**	0.8	1.0	1.2	1.2
3.8	0.8	1.0	1.2	1.3
4.0	0.9	1.1	1.3	1.3
4.1	0.9	1.1	1.3	1.4
4.3	1.0	1.2	1.4	1.5
4.5	1.0	1.2	1.4	1.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
2.9*	0.9	0.9	1.0	1.0
3.0	0.9	1.0	1.0	1.0
3.1	1.0	1.0	1.0	1.1
3.3	1.0	1.1	1.1	1.1
3.4	1.1	1.1	1.2	1.2
3.6**	1.1	1.2	1.2	1.2
3.8	1.2	1.2	1.3	1.3
4.0	1.2	1.3	1.3	1.4
4.1	1.3	1.4	1.4	1.4
4.3	1.4	1.4	1.5	1.5
4.5	1.4	1.5	1.5	1.5

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-5
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.9*	1.1	1.3	1.6	1.7
5.0	1.1	1.3	1.6	1.7
5.2	1.2	1.4	1.7	1.8
5.5	1.2	1.5	1.8	1.9
5.8	1.3	1.6	1.9	2.0
6.1**	1.4	1.6	2.0	2.1
6.3	1.4	1.7	2.1	2.2
6.6	1.5	1.8	2.2	2.3
6.9	1.6	1.9	2.2	2.4
7.2	1.6	2.0	2.3	2.5
7.5	1.7	2.0	2.4	2.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.9*	1.5	1.6	1.6	1.7
5.0	1.6	1.6	1.7	1.7
5.2	1.6	1.7	1.7	1.8
5.5	1.7	1.8	1.8	1.9
5.8	1.8	1.9	1.9	2.0
6.1**	1.9	2.0	2.0	2.1
6.3	2.0	2.1	2.1	2.2
6.6	2.1	2.2	2.2	2.3
6.9	2.2	2.3	2.3	2.4
7.2	2.3	2.3	2.4	2.5
7.5	2.3	2.4	2.5	2.6

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.9*	2.2	2.7	3.2	3.4
10.0	2.3	2.7	3.2	3.5
10.5	2.4	2.9	3.4	3.6
11.0	2.5	3.0	3.6	3.8
11.6	2.6	3.2	3.8	4.0
12.2**	2.7	3.3	3.9	4.2
12.7	2.9	3.5	4.1	4.4
13.3	3.0	3.7	4.3	4.6
13.9	3.1	3.8	4.5	4.8
14.4	3.3	4.0	4.7	5.0
15.0	3.4	4.1	4.9	5.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.9*	3.1	3.2	3.3	3.4
10.0	3.1	3.3	3.4	3.4
10.5	3.3	3.4	3.5	3.6
11.0	3.4	3.6	3.7	3.8
11.6	3.6	3.8	3.9	3.9
12.2**	3.8	4.0	4.1	4.1
12.7	3.9	4.1	4.3	4.3
13.3	4.1	4.3	4.5	4.5
13.9	4.3	4.5	4.6	4.7
14.4	4.5	4.7	4.8	4.9
15.0	4.6	4.9	5.0	5.0

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-12.5
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.5*	3.0	3.5	3.8	4.0
12.3	3.2	3.7	4.1	4.3
12.5	3.3	3.8	4.1	4.4
13.1	3.4	4.0	4.4	4.6
13.9	3.6	4.3	4.6	4.9
14.7**	3.8	4.5	4.8	5.2
15.5	4.1	4.8	5.2	5.4
16.3	4.3	5.0	5.4	5.7
17.1	4.5	5.3	5.7	6.0
17.9	4.7	5.6	6.0	6.3
18.8	4.9	5.8	6.3	6.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
11.5*	3.8	4.0	4.1	4.1
12.3	4.1	4.3	4.4	4.4
12.5	4.2	4.3	4.4	4.5
13.1	4.4	4.5	4.7	4.7
13.9	4.6	4.8	4.9	5.0
14.7**	4.9	5.1	5.2	5.3
15.5	5.2	5.4	5.5	5.5
16.3	5.4	5.6	5.8	5.8
17.1	5.7	5.9	6.1	6.1
17.9	6.0	6.2	6.4	6.4
18.8	6.2	6.5	6.6	6.7

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-15
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
14.0*	3.2	3.9	4.6	4.9
14.9	3.4	4.1	4.9	5.2
15.0	3.4	4.2	4.9	5.2
15.9	3.6	4.4	5.2	5.6
16.8	3.8	4.7	5.6	5.9
17.8**	4.1	5.0	5.9	6.2
18.7	4.3	5.2	6.2	6.6
19.7	4.5	5.6	6.5	7.0
20.6	4.7	5.8	6.9	7.3
21.6	5.0	6.1	7.2	7.7
22.5	5.2	6.4	7.6	8.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
14.0*	4.3	4.6	4.7	4.7
14.9	4.6	4.9	5.0	5.0
15.0	4.6	4.9	5.0	5.0
15.9	4.9	5.2	5.3	5.3
16.8	5.2	5.5	5.6	5.6
17.8**	5.5	5.8	5.9	5.9
18.7	5.8	6.1	6.2	6.2
19.7	6.1	6.4	6.5	6.5
20.6	6.4	6.7	6.8	6.7
21.6	6.6	7.0	7.1	7.0
22.5	6.9	7.3	7.4	7.3

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-20
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
19.0*	4.3	5.3	6.2	6.6
20.0	4.6	5.6	6.5	7.0
20.2	4.6	5.7	6.6	7.1
21.4	4.9	6.0	7.1	7.5
22.7	5.2	6.3	7.5	8.0
23.9**	5.5	6.7	7.9	8.4
25.1	5.8	7.0	8.4	8.9
26.3	6.1	7.4	8.8	9.3
27.6	6.4	7.8	9.2	9.8
28.8	6.7	8.1	9.6	10.3
30.0	7.0	8.5	10.1	10.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
19.0*	5.8	6.2	6.3	6.4
20.0	6.2	6.5	6.7	6.7
20.2	6.2	6.5	6.7	6.8
21.4	6.6	6.9	7.1	7.2
22.7	7.0	7.3	7.5	7.5
23.9**	7.3	7.7	7.9	7.9
25.1	7.7	8.1	8.3	8.3
26.3	8.1	8.5	8.7	8.7
27.6	8.4	8.9	9.1	9.1
28.8	8.8	9.3	9.5	9.4
30.0	9.2	9.6	9.9	9.8

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-30
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
29.0*	6.7	8.1	9.6	10.3
30.0	6.9	8.5	10.0	10.6
30.8	7.1	8.6	10.3	10.9
32.6	7.5	9.1	10.9	11.6
34.3	8.0	9.7	11.5	12.3
36.1**	8.4	10.2	12.2	12.9
37.9	8.8	10.7	12.8	13.6
39.7	9.2	11.2	13.4	14.3
41.4	9.6	11.7	14.1	14.9
43.2	10.1	12.3	14.7	15.6
45.0	10.5	12.8	15.3	16.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
29.0*	8.8	9.3	9.6	9.6
30.0	9.1	9.6	9.9	9.9
30.8	9.4	9.9	10.2	10.1
32.6	9.9	10.5	10.7	10.7
34.3	10.4	11.0	11.3	11.2
36.1**	11.0	11.6	11.8	11.8
37.9	11.5	12.1	12.4	12.3
39.7	12.0	12.7	13.0	12.9
41.4	12.6	13.2	13.5	13.4
43.2	13.1	13.8	14.0	13.9
45.0	13.6	14.3	14.6	14.4

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-45
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
44.0*	11.9	13.8	15.0	16.3
45.0	12.2	14.1	15.4	16.7
46.6	12.7	14.6	15.9	17.3
49.2	13.4	15.5	16.8	18.3
51.8	14.1	16.3	17.8	19.3
54.4**	14.8	17.1	18.7	20.3
57.1	15.5	18.0	19.6	21.4
59.7	16.3	18.8	20.6	22.4
62.3	17.0	19.7	21.5	23.4
64.9	17.8	20.5	22.5	24.5
67.5	18.5	21.4	23.5	25.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
44.0*	14.5	15.0	15.2	14.9
45.0	14.8	15.4	15.5	15.2
46.6	15.3	15.9	16.0	15.7
49.2	16.1	16.7	16.9	16.6
51.8	17.0	17.6	17.7	17.4
54.4**	17.8	18.4	18.5	18.2
57.1	18.6	19.3	19.4	19.0
59.7	19.5	20.1	20.2	19.8
62.3	20.3	21.0	21.0	20.6
64.9	21.1	21.8	21.8	21.3
67.5	21.9	22.6	22.6	22.1

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-60
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
45.0*	13.2	15.0	15.8	17.0
50.0	14.8	16.7	17.6	19.0
55.0	16.3	18.4	19.5	21.0
60.0	17.8	20.3	21.3	23.0
60.0	17.8	20.3	21.3	23.0
65.0**	19.3	22.0	23.2	25.0
70.0	20.8	23.8	25.0	27.1
75.0	22.4	25.6	27.0	29.2
80.0	23.9	27.4	28.9	31.3
85.0	25.5	29.2	30.8	33.5
90.0	27.1	31.0	32.8	35.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
45.0*	15.8	16.2	16.3	15.9
50.0	17.5	18.0	18.0	17.6
55.0	19.2	19.7	19.7	19.2
60.0	20.9	21.4	21.3	20.8
60.0	20.9	21.4	21.3	20.8
65.0**	22.6	23.1	23.0	22.4
70.0	24.3	24.8	24.6	23.9
75.0	26.0	26.5	26.2	25.6
80.0	27.6	28.1	27.8	27.4
85.0	29.3	29.7	29.4	29.1
90.0	30.9	31.3	31.0	30.9

* Minimum operating weight

** Maximum takeoff weight

FAA SNGL WHL-75
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
74.0*	23.9	26.2	26.9	29.0
75.0	24.2	26.6	27.2	29.4
78.3	25.3	27.8	28.5	30.7
82.6	26.7	29.4	30.1	32.6
86.8	28.2	31.0	31.8	34.4
91.1**	30.0	32.7	33.5	36.3
95.4	31.5	34.3	35.2	38.1
99.7	33.0	35.9	36.9	40.0
103.9	34.5	37.6	38.5	41.9
108.2	36.0	39.2	40.2	43.8
112.5	37.5	40.8	41.9	45.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
74.0*	27.1	27.4	27.0	26.4
75.0	27.4	27.7	27.3	26.8
78.3	28.6	28.9	28.4	28.0
82.6	30.1	30.4	29.9	29.5
86.8	31.6	31.8	31.3	31.1
91.1**	33.1	33.3	32.7	32.7
95.4	34.5	34.7	34.1	34.2
99.7	36.0	36.2	35.5	35.8
103.9	37.4	37.6	36.9	37.4
108.2	38.9	39.0	38.3	39.0
112.5	40.3	40.4	39.6	40.6

* Minimum operating weight

** Maximum takeoff weight

FAA SWL-50
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
49.0*	44.6	43.7	44.0	44.0
50.0	45.5	44.6	44.9	44.9
51.9	47.2	46.2	46.6	46.6
54.8	49.9	48.8	49.2	49.2
57.7	52.5	51.4	51.8	51.8
60.6**	55.1	54.0	54.4	54.4
63.4	57.7	56.5	57.0	57.0
66.3	60.4	59.1	59.6	59.6
69.2	63.0	61.7	62.2	62.2
72.1	65.6	64.3	64.7	64.8
75.0	68.3	66.8	67.3	67.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
49.0*	44.1	44.6	44.6	44.1
50.0	45.0	45.5	45.5	45.0
51.9	46.7	47.2	47.3	46.7
54.8	49.3	49.9	49.9	49.3
57.7	51.8	52.5	52.5	51.9
60.6**	54.4	55.1	55.2	54.5
63.4	57.0	57.8	57.8	57.1
66.3	59.6	60.4	60.4	59.7
69.2	62.2	63.0	63.0	62.3
72.1	64.8	65.6	65.7	64.9
75.0	67.4	68.3	68.3	67.5

* Minimum operating weight

** Maximum takeoff weight

Falcon 10, DA10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
10.1*	2	2.1	2.3	2.6
12	2.5	2.6	2.8	3.3
14	3	3.1	3.4	3.9
15.9	3.4	3.6	4	4.5
17.8	3.9	4.1	4.6	5.2
18.3**	4.1	4.2	4.8	5.3
19.8	4.4	4.6	5.2	5.8
21.7	5	5.2	5.8	6.5
23.6	5.5	5.8	6.5	7.1
25.5	6.1	6.3	7.1	7.8
27.5	6.7	7	7.8	8.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
10.1*	2.3	2.5	2.6	2.7
12	2.8	3	3.2	3.3
14	3.4	3.6	3.8	3.9
15.9	3.9	4.2	4.4	4.6
17.8	4.5	4.8	5	5.2
18.3**	4.7	5	5.2	5.3
19.8	5.1	5.4	5.7	5.8
21.7	5.7	6.1	6.3	6.5
23.6	6.3	6.7	7	7.2
25.5	7	7.3	7.6	7.8
27.5	7.6	8	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-21A LEAR 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon 20 EW
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.0*	9.6	9.2	9.1	9.0
24.6	10.7	10.3	10.2	10.1
27.2	11.8	11.4	11.3	11.1
29.8	13.0	12.5	12.4	12.2
30.4	13.2	12.7	12.6	12.4
32.5**	14.1	13.5	13.5	13.3
35.1	15.2	14.6	14.6	14.4
37.7	16.4	15.7	15.6	15.4
40.3	17.5	16.8	16.7	16.5
42.9	18.7	17.9	17.8	17.6
45.5	19.8	19.0	18.9	18.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
22.0*	9.8	9.8	9.7	9.6
24.6	10.9	11.0	10.9	10.7
27.2	12.1	12.1	12.0	11.9
29.8	13.3	13.3	13.2	13.0
30.4	13.5	13.6	13.4	13.2
32.5**	14.5	14.5	14.4	14.2
35.1	15.7	15.7	15.6	15.3
37.7	16.9	16.9	16.7	16.5
40.3	18.1	18.1	17.9	17.6
42.9	19.3	19.3	19.1	18.8
45.5	20.4	20.5	20.3	19.9

* Minimum operating weight

** Maximum takeoff weight

**Falcon 900, Mystere
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.6*	5.3	6	6.6	7.9
31.9	6.3	7.1	7.9	9.3
36.1	7.4	8.3	9.4	10.7
40.4	8.4	9.4	10.8	12.2
44	9.4	10.5	12.1	13.4
44.7**	9.6	10.7	12.3	13.6
48.9	10.7	12	13.7	15
53.2	11.9	13.4	15.1	16.5
57.5	13.3	14.8	16.4	17.9
61.7	14.6	16.2	17.8	19.3
66	16.1	17.5	19.2	20.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.6*	6.1	6.7	7.1	7.4
31.9	7.3	7.9	8.4	8.8
36.1	8.5	9.2	9.8	10.2
40.4	9.8	10.6	11.2	11.5
44	10.9	11.7	12.3	12.8
44.7**	11.1	11.9	12.6	13
48.9	12.4	13.3	14	14.4
53.2	13.7	14.7	15.4	15.9
57.5	15.1	16.1	16.9	17.4
61.7	16.5	17.6	18.4	18.9
66	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Falcon DA-20
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
22.0*	9.5	9.2	9.1	9.0
24.4	10.5	10.2	10.1	10.0
26.8	11.5	11.2	11.1	11.0
29.1	12.5	12.1	12.0	11.9
29.2	12.6	12.2	12.1	12.0
31.6**	13.6	13.2	13.1	12.9
34.0	14.6	14.2	14.1	13.9
36.4	15.7	15.2	15.1	14.9
38.8	16.7	16.2	16.1	15.9
41.2	17.7	17.2	17.1	16.9
43.7	18.8	18.2	18.1	17.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
22.0*	9.6	9.7	9.6	9.5
24.4	10.7	10.7	10.7	10.5
26.8	11.8	11.8	11.7	11.6
29.1	12.8	12.8	12.8	12.6
29.2	12.9	12.9	12.8	12.6
31.6**	14.0	14.0	13.9	13.7
34.0	15.0	15.1	14.9	14.7
36.4	16.1	16.1	16.0	15.8
38.8	17.2	17.2	17.1	16.8
41.2	18.3	18.3	18.2	17.9
43.7	19.3	19.4	19.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Fokker 27 Friendship, FA27
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4	4.9	5.7	7
30.7	4.8	5.9	6.8	8.5
35.2	5.7	6.9	8.1	10
39.7	6.6	8.1	9.5	11.5
44.2	7.6	9.2	11	13.1
44.5**	7.6	9.3	11.1	13.1
48.7	8.5	10.6	12.4	14.6
53.2	9.6	11.8	13.9	16.1
57.7	10.6	13.2	15.4	17.7
62.2	11.6	14.6	16.9	19.2
66.7	12.9	16.1	18.3	20.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	4.8	5.4	6	6.3
30.7	5.9	6.6	7.2	7.6
35.2	6.9	7.8	8.5	9
39.7	8.1	9	9.8	10.3
44.2	9.2	10.2	11.1	11.7
44.5**	9.3	10.3	11.2	11.8
48.7	10.4	11.5	12.5	13.1
53.2	11.6	12.8	13.8	14.5
57.7	12.9	14.2	15.3	16
62.2	14.1	15.6	16.7	17.4
66.7	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 28 Fellowship, FK28
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
46.7*	9.2	9.5	10.4	12.1
55.3	11.3	11.7	12.7	14.9
63.9	13.2	13.7	15.1	17.8
72.4	15.1	15.9	17.8	20.8
81	17.2	18.1	20.5	23.8
82.7**	17.6	18.6	21	24.3
89.6	19.5	20.5	23.2	26.8
98.2	21.9	22.9	26	29.8
106.8	24.1	25.3	29	32.7
115.4	26.5	28.1	32	35.7
124	28.9	30.7	35	38.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
46.7*	9.7	10.6	11.4	12
55.3	11.8	12.9	13.9	14.6
63.9	14	15.3	16.4	17.2
72.4	16.3	17.8	19	19.9
81	18.7	20.3	21.7	22.7
82.7**	19.1	20.8	22.2	23.2
89.6	21.1	22.9	24.5	25.4
98.2	23.5	25.6	27.2	28.3
106.8	26.1	28.3	30.1	31.2
115.4	28.6	31	32.9	34.1
124	31.2	33.8	35.8	37.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE 146-100 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 50, FK60
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.2*	4	4.9	5.7	7
30.7	4.8	5.9	6.8	8.5
35.2	5.7	6.9	8.1	10
39.7	6.6	8.1	9.5	11.5
44.2	7.6	9.2	11	13.1
44.5**	7.6	9.3	11.1	13.1
48.7	8.5	10.6	12.4	14.6
53.2	9.6	11.8	13.9	16.1
57.7	10.6	13.2	15.4	17.7
62.2	11.6	14.6	16.9	19.2
66.7	12.9	16.1	18.3	20.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.2*	4.8	5.4	6	6.3
30.7	5.9	6.6	7.2	7.6
35.2	6.9	7.8	8.5	9
39.7	8.1	9	9.8	10.3
44.2	9.2	10.2	11.1	11.7
44.5**	9.3	10.3	11.2	11.8
48.7	10.4	11.5	12.5	13.1
53.2	11.6	12.8	13.8	14.5
57.7	12.9	14.2	15.3	16
62.2	14.1	15.6	16.7	17.4
66.7	15.4	17	18.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from ANDOVER CC MK2 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Fokker 100, FK10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
51.3*	10.3	10.6	11.6	13.6
61.9	12.8	13.3	14.5	17.1
72.4	15.1	15.9	17.8	20.8
83	17.7	18.7	21.1	24.4
93.5	20.6	21.6	24.5	28.1
97.5**	21.7	22.7	25.8	29.5
104.1	23.4	24.6	28	31.8
114.6	26.2	27.8	31.7	35.4
125.2	29.2	31.1	35.4	39.1
135.7	32.1	34.4	39.2	42.7
146.3	35.2	37.8	42.9	46.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
51.3*	10.8	11.8	12.7	13.4
61.9	13.5	14.8	15.8	16.6
72.4	16.3	17.8	19	19.9
83	19.2	20.9	22.3	23.3
93.5	22.2	24.1	25.7	26.7
97.5**	23.3	25.4	27	28
104.1	25.2	27.4	29.1	30.3
114.6	28.4	30.8	32.7	33.8
125.2	31.6	34.2	36.2	37.5
135.7	34.9	37.7	39.9	41.2
146.3	38.2	41.3	43.5	44.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from BAE146-200 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Guardian, HU25
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
22*	9.5	9.2	9.1	9
24.4	10.5	10.2	10.1	10
26.8	11.5	11.2	11.1	11
29.1	12.5	12.1	12	11.9
29.2	12.6	12.2	12.1	12
31.6**	13.6	13.2	13.1	12.9
34	14.6	14.2	14.1	13.9
36.4	15.7	15.2	15.1	14.9
38.8	16.7	16.2	16.1	15.9
41.2	17.7	17.2	17.1	16.9
43.7	18.8	18.2	18.1	17.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
22*	9.6	9.7	9.6	9.5
24.4	10.7	10.7	10.7	10.5
26.8	11.8	11.8	11.7	11.6
29.1	12.8	12.8	12.8	12.6
29.2	12.9	12.9	12.8	12.6
31.6**	14	14	13.9	13.7
34	15	15.1	14.9	14.7
36.4	16.1	16.1	16	15.8
38.8	17.2	17.2	17.1	16.8
41.2	18.3	18.3	18.2	17.9
43.7	19.3	19.4	19.2	18.9

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from FALCON DA-20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

Harrier GR MK3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.5*	2.6	2.9	3.1	3.6
15.3	3.3	3.6	3.9	4.7
18.2	4.0	4.4	4.8	5.8
21.0	4.7	5.3	5.8	7.0
23.8	5.5	6.1	6.7	8.1
25.3**	5.9	6.6	7.3	8.7
26.6	6.3	7.0	7.9	9.3
29.4	7.1	7.8	9.0	10.4
32.3	7.9	8.6	10.2	11.6
35.1	8.7	9.7	11.3	12.8
37.9	9.6	10.8	12.5	14.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
12.5*	3.8	3.9	4.0	4.0
15.3	4.7	4.8	4.9	4.9
18.2	5.6	5.7	5.8	5.8
21.0	6.4	6.6	6.7	6.7
23.8	7.3	7.5	7.6	7.6
25.3**	7.8	8.0	8.1	8.1
26.6	8.2	8.4	8.5	8.5
29.4	9.0	9.3	9.4	9.4
32.3	9.9	10.2	10.3	10.3
35.1	10.8	11.0	11.2	11.2
37.9	11.6	11.9	12.1	12.1

* Minimum operating weight

** Maximum takeoff weight

**Harrier GR MK7-GR MK10
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.3*	3.7	4.0	4.4	5.1
19.8	4.7	5.0	5.5	6.6
23.3	5.7	6.1	6.8	8.0
26.9	6.8	7.2	8.0	9.4
30.4	7.9	8.3	9.5	10.9
32.0**	8.4	8.6	10.2	11.6
33.9	9.0	9.6	11.0	12.4
37.4	10.2	10.8	12.4	13.8
40.9	11.4	12.1	13.9	15.3
44.4	12.6	13.4	15.4	16.8
48.0	13.9	15.0	16.8	18.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
16.3*	5.0	5.1	5.2	5.2
19.8	6.1	6.2	6.3	6.3
23.3	7.2	7.4	7.4	7.5
26.9	8.3	8.5	8.6	8.6
30.4	9.3	9.6	9.7	9.7
32.0**	9.8	10.1	10.2	10.2
33.9	10.4	10.7	10.8	10.8
37.4	11.5	11.8	11.9	12.0
40.9	12.6	12.9	13.0	13.1
44.4	13.6	14.0	14.2	14.3
48.0	14.7	15.1	15.3	15.4

* Minimum operating weight

** Maximum takeoff weight

HC-130P/N Combat Tanker/Combat Shadow
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	14.1	15.7	16.3	18.2
102.9	17.9	20.0	20.6	23.2
122.9	21.9	24.3	25.2	28.4
142.8	25.8	28.5	29.8	34.3
162.8	29.9	32.8	34.5	40.0
175.0**	32.4	35.5	37.5	43.8
182.7	34.0	37.3	39.3	46.2
202.7	38.1	41.8	44.2	52.6
222.6	42.3	46.5	50.2	59.2
242.6	46.7	51.4	55.9	66.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	15.6	16.7	17.7	18.7
102.9	19.7	21.1	22.6	23.8
122.9	23.8	25.7	27.6	29.2
142.8	28.1	30.5	32.8	34.7
162.8	32.5	35.4	38.2	40.3
175.0**	35.2	38.5	41.5	43.8
182.7	37.0	40.4	43.6	46.0
202.7	41.6	45.6	49.2	51.9
222.6	46.4	50.9	54.9	57.9
242.6	51.2	56.3	60.8	64.0
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

Hercules C MK1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
76.3*	13.4	14.8	15.1	16.7
97.0	17.2	19.0	19.5	21.9
117.6	21.3	23.3	24.2	27.2
138.3	25.5	27.7	29.0	32.8
158.9	29.6	32.3	33.8	39.3
174.8**	33.0	35.9	37.7	44.2
179.6	34.0	37.0	39.3	45.7
200.3	38.4	41.7	44.8	52.2
220.9	42.7	46.6	50.6	59.1
241.6	47.3	51.6	56.2	66.1
262.3	51.9	56.6	61.8	73.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
76.3*	14.6	15.5	16.4	17.2
97.0	18.8	20.1	21.4	22.6
117.6	23.1	24.9	26.6	28.1
138.3	27.6	29.9	32.1	33.8
158.9	32.2	35.0	37.6	39.7
174.8**	35.8	39.0	42.0	44.3
179.6	36.9	40.2	43.3	45.7
200.3	41.7	45.6	49.2	51.8
220.9	46.7	51.2	55.2	58.1
241.6	51.8	56.8	61.3	64.5
262.3	57.0	62.6	67.5	70.9

* Minimum operating weight

** Maximum takeoff weight

HH-60G Pave Hawk
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.6*	3.5	3.7	3.8	3.9
13.1	4.4	4.6	4.7	4.8
15.6	5.2	5.5	5.5	5.7
18.1	6.0	6.4	6.4	6.6
20.6	6.8	7.2	7.3	7.5
22.0**	7.3	7.7	7.8	8.1
23.1	7.7	8.1	8.2	8.4
25.5	8.5	9.0	9.1	9.4
28.0	9.3	9.8	10.0	10.3
30.5	10.1	10.7	10.8	11.2
33.0	11.0	11.6	11.7	12.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10.6*	3.5	3.6	3.6	3.6
13.1	4.3	4.4	4.5	4.5
15.6	5.2	5.3	5.3	5.4
18.1	6.0	6.1	6.2	6.2
20.6	6.8	7.0	7.1	7.1
22.0**	7.3	7.5	7.5	7.6
23.1	7.6	7.8	7.9	7.9
25.5	8.5	8.7	8.8	8.8
28.0	9.3	9.5	9.6	9.6
30.5	10.1	10.4	10.5	10.5
33.0	10.9	11.2	11.3	11.3

* Minimum operating weight

** Maximum takeoff weight

**HS 125-400/600/700
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.7*	2.5	2.7	2.9	3.3
16.3	3	3.3	3.5	4.1
18.9	3.5	3.9	4.3	4.9
21.5	4.1	4.5	4.9	5.8
24	4.7	5.1	5.7	6.7
24.7**	4.8	5.2	5.8	6.9
26.6	5.3	5.8	6.4	7.5
29.2	6	6.5	7.2	8.4
31.8	6.7	7.1	8	9.3
34.4	7.4	7.8	8.8	10.1
37	8	8.5	9.7	11

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.7*	2.8	3	3.2	3.4
16.3	3.4	3.7	3.9	4.1
18.9	4	4.4	4.7	4.9
21.5	4.7	5.1	5.4	5.7
24	5.4	5.8	6.2	6.5
24.7**	5.6	6	6.4	6.7
26.6	6.1	6.6	7	7.3
29.2	6.8	7.4	7.8	8.1
31.8	7.6	8.1	8.6	8.9
34.4	8.3	8.9	9.4	9.8
37	9.1	9.7	10.3	10.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-38A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**HS 748, A748
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
27.6*	5.3	6	6.6	7.9
31.9	6.3	7.1	7.9	9.3
36.1	7.4	8.3	9.4	10.7
40.4	8.4	9.4	10.8	12.2
44	9.4	10.5	12.1	13.4
44.7**	9.6	10.7	12.3	13.6
48.9	10.7	12	13.7	15
53.2	11.9	13.4	15.1	16.5
57.5	13.3	14.8	16.4	17.9
61.7	14.6	16.2	17.8	19.3
66	16.1	17.5	19.2	20.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
27.6*	6.1	6.7	7.1	7.4
31.9	7.3	7.9	8.4	8.8
36.1	8.5	9.2	9.8	10.2
40.4	9.8	10.6	11.2	11.5
44	10.9	11.7	12.3	12.8
44.7**	11.1	11.9	12.6	13
48.9	12.4	13.3	14	14.4
53.2	13.7	14.7	15.4	15.9
57.5	15.1	16.1	16.9	17.4
61.7	16.5	17.6	18.4	18.9
66	17.9	19.1	19.9	20.4

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from DASH 7 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-62 Ilyushin 62
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
251.3*	28.2	30.7	35.6	47.6
284	32.9	36.2	43	56.7
316.7	38.1	41.9	50.6	65.8
349.3	43.1	48	58.4	75
363.6	45.4	50.7	62	79
382**	48.7	54.3	66.7	84.2
414.7	54.5	61.1	75	93.3
447.3	60.6	69.1	83.8	102.6
480	66.7	76.8	92.8	111.9
512.7	72.9	84.7	102.1	121.3
545.3	79.5	93.1	111.4	130.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
251.3*	27.5	32.8	38.9	44.5
284	32.4	38.8	46.1	52.4
316.7	37.5	45.3	53.7	60.7
349.3	43	52.1	61.6	69.2
363.6	45.4	55.1	65.1	73
382**	48.7	59.2	69.8	78.1
414.7	54.8	66.7	78.2	87.2
447.3	61.3	74.4	86.9	96.5
480	68	82.5	95.9	106
512.7	75	90.7	105.1	115.7
545.3	82.3	99.2	114.7	125.6

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from A-310 MRTT which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

IL-76MD Candid B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
196.2*	7.8	8.6	10.4	13.6
244.2	10.4	11.7	14.1	18.6
292.2	13.5	14.9	18.2	24.3
340.3	16.5	18.8	22.6	30.4
388.3	20.0	22.5	27.7	36.8
418.9**	22.3	25.1	30.9	40.9
436.3	23.5	26.6	32.7	43.3
484.3	27.4	30.8	37.8	50.1
532.3	31.7	35.2	43.3	57.2
580.3	35.9	39.8	49.3	64.7
628.4	40.2	44.6	55.6	72.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
196.2*	11.2	12.5	13.4	14.3
244.2	14.7	16.2	17.3	18.7
292.2	18.3	19.9	21.5	23.6
340.3	22.0	23.9	25.8	28.9
388.3	25.7	27.9	30.5	34.6
418.9**	28.2	30.5	33.6	38.5
436.3	29.6	32.0	35.4	40.8
484.3	33.4	36.3	40.6	47.5
532.3	35.9	40.8	46.1	54.6
580.3	0.0	0.0	51.9	62.2
628.4	45.4	50.2	58.1	70.2

* Minimum operating weight

** Maximum takeoff weight

IL-76MF Candid (Stretched)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
222.7*	9.2	10.4	12.4	16.3
275.1	12.4	13.8	16.7	22.1
327.5	15.5	17.7	21.4	28.7
380.0	19.4	21.9	26.9	35.7
432.4	23.2	26.3	32.3	42.7
463.0**	25.5	28.9	35.5	47.0
484.8	27.5	30.8	37.9	50.2
537.2	32.2	35.6	43.9	58.0
589.7	36.7	40.7	50.5	66.2
642.1	41.4	46.0	57.4	74.6
694.5	46.3	51.3	64.4	83.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
222.7*	13.1	14.5	15.5	16.7
275.1	17.0	18.6	19.9	21.8
327.5	21.0	22.8	24.7	27.4
380.0	25.1	27.2	29.7	33.6
432.4	29.2	31.7	35.0	40.3
463.0**	31.7	34.4	38.3	44.5
484.8	33.5	36.4	40.7	47.5
537.2	37.4	41.2	46.7	55.4
589.7	42.1	46.3	53.1	63.7
642.1	0.0	0.0	59.9	72.5
694.5	0.0	57.1	67.1	81.9

* Minimum operating weight

** Maximum takeoff weight

IL-76T Candid A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
178.2*	6.9	7.8	9.1	11.9
220.9	9.1	10.3	12.3	16.1
263.6	11.6	13.0	15.7	20.8
306.2	14.1	16.1	19.4	26.0
348.9	17.2	19.4	23.4	31.5
374.8**	19.0	21.5	26.3	35.0
391.5	20.2	22.8	28.0	37.2
434.2	23.4	26.4	32.5	43.0
476.9	26.8	30.1	37.0	49.1
519.5	30.4	34.0	41.8	55.3
562.2	34.5	38.0	47.0	61.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
178.2*	9.9	11.1	12.0	12.7
220.9	13.0	14.3	15.4	16.5
263.6	16.1	17.7	18.9	20.6
306.2	19.4	21.1	22.7	25.1
348.9	22.7	24.6	26.7	29.9
374.8**	24.7	26.7	29.2	33.0
391.5	26.0	28.2	30.8	35.0
434.2	29.4	31.9	35.2	40.5
476.9	32.8	35.7	39.8	46.4
519.5	36.3	39.6	44.6	52.7
562.2	39.8	43.6	49.7	59.3

* Minimum operating weight

** Maximum takeoff weight

IL-76TD Candid A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
178.2*	6.9	7.8	9.1	11.9
228.2	9.5	10.7	12.8	16.9
278.3	12.7	14.0	17.0	22.5
328.3	15.5	17.8	21.4	28.8
378.3	19.3	21.8	26.7	35.4
418.9**	22.3	25.1	30.9	40.9
428.3	22.9	25.9	31.9	42.2
478.3	27.0	30.2	37.2	49.3
528.3	31.3	34.8	42.8	56.6
578.3	35.8	39.6	49.0	64.4
628.4	40.2	44.6	55.6	72.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
178.2*	9.9	11.1	12.0	12.7
228.2	13.5	14.9	16.0	17.2
278.3	17.2	18.8	20.2	22.1
328.3	21.1	22.9	24.7	27.5
378.3	25.0	27.0	29.5	33.4
418.9**	28.2	30.5	33.6	38.5
428.3	28.9	31.3	34.6	39.7
478.3	32.9	35.8	40.0	46.6
528.3	37.0	40.4	45.7	54.0
578.3	41.2	45.2	51.7	61.8
628.4	45.4	50.2	58.1	70.2

* Minimum operating weight

** Maximum takeoff weight

Jaguar GR MK1-T MK2
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
16.4*	3.1	3.4	3.7	4.3
20.3	3.9	4.3	4.8	5.7
24.3	4.9	5.4	6.0	7.0
28.2	5.9	6.4	7.3	8.3
32.1	6.9	7.6	8.6	9.7
34.6**	7.7	8.3	9.4	10.5
36.1	8.1	8.6	9.9	11.0
40.0	9.2	10.0	11.2	12.3
44.0	10.4	11.3	12.7	13.5
47.9	11.7	12.6	14.0	14.9
51.9	13.1	13.9	15.4	16.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
16.4*	3.6	3.9	4.1	4.3
20.3	4.6	5.0	5.3	5.5
24.3	5.7	6.2	6.5	6.8
28.2	6.9	7.4	7.8	8.0
32.1	8.0	8.6	9.1	9.4
34.6**	8.8	9.4	9.9	10.2
36.1	9.3	9.9	10.4	10.7
40.0	10.5	11.2	11.7	12.1
44.0	11.8	12.5	13.1	13.4
47.9	13.1	13.9	14.5	14.8
51.9	14.4	15.3	15.9	16.3

* Minimum operating weight

** Maximum takeoff weight

KC-10A Refueler
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
240.0*	18.6	19.1	21.1	25.5
311.7	25.0	25.9	29.3	36.7
383.3	31.9	33.8	38.1	50.3
455.0	39.0	42.0	47.9	65.4
526.7	46.6	50.8	59.3	81.1
590.0**	54.3	59.1	69.8	95.1
598.3	55.3	60.2	71.3	97.0
670.0	63.6	69.9	84.7	113.2
741.7	72.7	80.4	99.3	129.3
813.3	82.4	91.3	114.5	145.3
885.0	92.0	104.4	130.7	161.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
240.0*	18.1	19.3	21.5	24.6
311.7	23.7	26.1	30.0	34.6
383.3	29.8	33.6	39.5	45.7
455.0	36.2	41.9	49.8	57.6
526.7	43.2	50.9	60.9	70.4
590.0**	49.7	59.5	71.3	82.1
598.3	50.6	60.6	72.7	83.6
670.0	58.6	70.9	85.2	97.6
741.7	67.1	81.9	98.3	112.0
813.3	76.2	93.4	111.9	126.9
885.0	85.7	105.6	126.0	142.4

* Minimum operating weight

** Maximum takeoff weight

KC-46A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
273.0*	28.6	30.7	34.9	47.2
312.0	33.6	36.6	41.8	57.5
351.0	38.8	42.7	50.1	68.2
390.0	44.9	48.9	58.6	78.8
416.0	48.8	53.4	64.8	85.8
429.0**	50.7	55.7	68.0	89.4
468.0	56.9	62.8	77.7	100.2
507.0	63.4	70.1	87.9	110.9
546.0	69.9	79.0	98.5	121.7
585.0	76.6	87.8	109.3	132.3
624.0	83.8	96.9	120.0	142.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
273.0*	27.7	32.2	38.0	43.6
312.0	32.7	38.5	45.6	52.3
351.0	37.9	45.2	53.7	61.3
390.0	43.6	52.4	62.2	70.6
416.0	47.5	57.4	68.1	77.0
429.0**	49.6	59.9	71.1	80.3
468.0	55.9	67.8	80.2	90.3
507.0	62.6	76.0	89.7	100.5
546.0	69.5	84.6	99.5	111.0
585.0	76.8	93.5	109.5	121.9
624.0	84.4	102.6	119.8	132.8

* Minimum operating weight

** Maximum takeoff weight

**KC-135 Refueler
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
104.3*	9.5	9.6	10.7	12.8
146.5	14.0	14.4	16.3	20.7
188.8	18.8	19.9	22.8	29.9
231.0	24.0	25.7	30.0	39.7
273.3	29.5	32.1	38.5	50.3
315.5**	35.6	39.3	47.5	61.4
323.0	36.8	40.7	49.2	63.4
357.8	42.1	46.8	57.1	72.6
400.0	48.7	54.8	67.0	84.0
442.3	55.9	64.4	77.3	95.4
484.5	63.2	73.7	88.1	106.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
104.3*	9.1	9.8	11.1	12.7
146.5	13.1	14.8	17.2	19.9
188.8	17.6	20.4	24.2	28.0
231.0	22.5	26.8	32.1	36.9
273.3	28.0	33.8	40.4	46.3
315.5**	33.9	41.4	49.5	56.3
323.0	35.1	42.8	51.1	58.1
357.8	40.5	49.6	59.2	66.7
400.0	47.5	58.3	69.0	77.5
442.3	55.0	67.5	79.5	88.8
484.5	63.0	77.2	90.4	100.3

* Minimum operating weight

** Maximum takeoff weight

**KC-135A Refueler
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
104.3*	9.9	9.7	10.7	13.0
143.0	14.0	14.3	16.0	20.1
181.7	18.4	19.0	21.8	28.5
220.3	23.1	24.4	28.4	37.3
259.0	28.1	30.1	36.0	47.0
297.7**	33.2	36.4	43.8	57.0
301.6	33.7	37.0	44.7	58.0
336.4	39.4	43.1	52.4	67.5
375.0	45.3	50.1	61.3	78.1
413.7	51.5	57.6	70.7	88.9
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
104.3*	9.2	9.8	11.0	12.5
143.0	12.8	14.2	16.4	19.0
181.7	16.6	19.0	22.5	26.3
220.3	20.9	24.5	29.3	34.1
259.0	25.4	30.5	36.8	42.5
297.7**	30.4	37.0	44.6	51.5
301.6	30.9	37.7	45.5	52.4
336.4	35.8	43.9	53.0	60.7
375.0	41.6	51.4	61.8	70.4
413.7	47.8	59.4	71.1	80.5
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

KC-135E Stratotanker
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
112.2*	10.7	10.7	11.7	14.3
153.5	15.0	15.5	17.6	22.3
194.8	20.0	21.0	24.0	31.4
236.1	25.2	26.6	31.2	41.2
277.3	30.5	33.0	39.6	51.7
318.6**	36.6	39.9	48.4	62.7
322.5	37.2	40.6	49.3	63.7
359.9	43.1	47.3	57.7	73.9
401.2	49.4	55.1	67.7	85.4
442.5	56.3	64.4	77.7	97.0
483.8	63.7	73.8	88.3	108.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
112.2*	9.9	10.7	12.0	13.8
153.5	13.8	15.4	18.0	20.9
194.8	18.0	20.8	24.8	28.9
236.1	22.7	26.9	32.3	37.5
277.3	27.7	33.5	40.4	46.7
318.6**	33.3	40.7	49.1	56.4
322.5	33.8	41.4	50.0	57.4
359.9	39.3	48.5	58.3	66.6
401.2	45.8	56.7	68.1	77.2
442.5	52.8	65.5	78.2	88.3
483.8	60.1	74.6	88.7	99.5

* Minimum operating weight

** Maximum takeoff weight

**KC-135R/T Stratotanker
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
119.2*	11.4	11.5	12.6	15.5
159.7	15.7	16.3	18.5	23.6
200.2	20.6	21.7	24.9	32.6
240.7	25.8	27.3	32.0	42.4
281.2	31.0	33.7	40.4	52.7
321.7**	37.1	40.5	49.1	63.5
322.5	37.2	40.6	49.3	63.7
362.2	43.5	47.7	58.3	74.6
402.8	49.6	55.4	68.0	85.9
443.3	56.5	64.6	77.9	97.2
483.8	63.7	73.8	88.3	108.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
119.2*	10.6	11.4	13.0	14.9
159.7	14.4	16.2	19.0	22.1
200.2	18.6	21.6	25.7	30.0
240.7	23.3	27.6	33.2	38.5
281.2	28.2	34.2	41.2	47.6
321.7**	33.7	41.3	49.8	57.2
322.5	33.8	41.4	50.0	57.4
362.2	39.6	48.9	58.9	67.2
402.8	46.0	57.1	68.5	77.6
443.3	52.9	65.6	78.4	88.5
483.8	60.1	74.6	88.7	99.5

* Minimum operating weight

** Maximum takeoff weight

L-159
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10*	4.2	4.2	4.2	4.2
12	5.1	5	5	5.1
14	5.9	5.9	5.9	6
16	6.7	6.7	6.7	6.8
18	7.6	7.5	7.6	7.7
18.7**	7.9	7.8	7.9	7.9
20	8.4	8.4	8.4	8.5
22	9.3	9.2	9.3	9.4
24	10.1	10.1	10.1	10.2
26	11	10.9	10.9	11.1
28.1	11.8	11.7	11.8	11.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10*	4.1	4.1	4.2	4.2
12	4.9	5	5	5
14	5.8	5.8	5.9	5.8
16	6.6	6.7	6.7	6.7
18	7.4	7.5	7.6	7.5
18.7**	7.7	7.8	7.8	7.8
20	8.3	8.4	8.4	8.4
22	9.1	9.2	9.2	9.2
24	9.9	10.1	10.1	10
26	10.8	10.9	10.9	10.9
28.1	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

L-1011-500
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
245.7*	23.4	24.2	27.1	33.5
301.4	29.7	31.2	35.2	45.2
357.1	36.1	38.4	43.7	58.0
412.8	43.0	46.4	53.2	71.9
468.5	50.7	54.7	64.2	86.5
498.0**	54.0	59.2	70.1	94.5
524.2	57.5	63.5	75.5	101.5
579.9	66.4	72.9	87.8	116.4
635.6	74.7	82.4	101.1	131.6
691.3	83.1	93.8	114.7	146.8
747.0	92.4	105.0	128.8	161.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
245.7*	22.0	24.0	27.3	31.4
301.4	27.4	30.6	35.6	41.2
357.1	33.1	37.8	44.6	51.8
412.8	39.1	45.6	54.4	63.1
468.5	45.6	53.9	64.8	75.0
498.0**	49.1	58.6	70.5	81.5
524.2	52.4	62.9	75.7	87.4
579.9	59.8	72.4	87.3	100.3
635.6	67.4	82.4	99.4	113.7
691.3	75.5	93.0	111.8	127.4
747.0	84.1	103.9	124.8	141.6

* Minimum operating weight

** Maximum takeoff weight

**LC-130H Hercules
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
77.6*	12.5	14.4	15.1	16.9
98.1	16.1	18.6	19.6	22.0
118.7	19.8	22.9	24.2	27.8
139.2	23.9	27.2	28.9	33.6
159.8	27.9	31.7	33.8	39.6
175.0**	30.8	35.0	37.5	44.2
180.3	31.9	36.2	38.7	45.8
200.9	35.9	40.8	44.0	52.3
221.4	40.2	45.7	49.3	59.1
242.0	44.5	50.7	54.6	66.0
262.5	48.9	55.9	61.0	73.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
77.6*	14.1	15.1	16.1	17.1
98.1	18.1	19.5	21.0	22.2
118.7	22.2	24.1	26.0	27.6
139.2	26.4	28.9	31.2	33.1
159.8	30.8	33.7	36.6	38.9
175.0**	34.1	37.5	40.7	43.2
180.3	35.2	38.8	42.1	44.7
200.9	39.8	44.0	47.8	50.7
221.4	44.6	49.3	53.6	56.8
242.0	49.4	54.8	59.6	63.0
262.5	54.4	60.3	65.6	69.3

* Minimum operating weight

** Maximum takeoff weight

Learjet 23/24/25/28/36/55

ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
10.1*	2	2.1	2.3	2.6
12	2.5	2.6	2.8	3.3
14	3	3.1	3.4	3.9
15.9	3.4	3.6	4	4.5
17.8	3.9	4.1	4.6	5.2
18.3**	4.1	4.2	4.8	5.3
19.8	4.4	4.6	5.2	5.8
21.7	5	5.2	5.8	6.5
23.6	5.5	5.8	6.5	7.1
25.5	6.1	6.3	7.1	7.8
27.5	6.7	7	7.8	8.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
10.1*	2.3	2.5	2.6	2.7
12	2.8	3	3.2	3.3
14	3.4	3.6	3.8	3.9
15.9	3.9	4.2	4.4	4.6
17.8	4.5	4.8	5	5.2
18.3**	4.7	5	5.2	5.3
19.8	5.1	5.4	5.7	5.8
21.7	5.7	6.1	6.3	6.5
23.6	6.3	6.7	7	7.2
25.5	7	7.3	7.6	7.8
27.5	7.6	8	8.3	8.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-21A LEARJET 35 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

M-28A Skytruck
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.7*	2.5	3.0	3.5	3.7
11.4	2.9	3.5	4.1	4.3
13.1	3.4	4.0	4.7	4.9
14.7	3.8	4.6	5.3	5.6
16.4	4.2	5.1	5.9	6.2
16.5**	4.2	5.1	5.9	6.2
18.1	4.6	5.6	6.5	6.8
19.8	5.1	6.1	7.1	7.5
21.4	5.5	6.6	7.7	8.1
23.1	5.9	7.2	8.3	8.7
24.8	6.4	7.7	8.9	9.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.7*	2.9	3.0	3.1	3.2
11.4	3.4	3.5	3.7	3.7
13.1	3.9	4.1	4.2	4.3
14.7	4.4	4.6	4.7	4.8
16.4	4.9	5.1	5.3	5.4
16.5**	4.9	5.1	5.3	5.4
18.1	5.4	5.6	5.8	5.9
19.8	5.9	6.1	6.3	6.4
21.4	6.4	6.7	6.9	7.0
23.1	6.8	7.2	7.4	7.5
24.8	7.3	7.7	7.9	8.1

* Minimum operating weight

** Maximum takeoff weight

MC-130E Combat Talon I
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	14.1	15.7	16.3	18.2
102.9	17.9	20.0	20.6	23.2
122.9	21.9	24.3	25.2	28.4
142.8	25.8	28.5	29.8	34.3
162.8	29.9	32.8	34.5	40.0
175.0**	32.4	35.5	37.5	43.8
182.7	34.0	37.3	39.3	46.2
202.7	38.1	41.8	44.2	52.6
222.6	42.3	46.5	50.2	59.2
242.6	46.7	51.4	55.9	66.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	15.6	16.7	17.7	18.7
102.9	19.7	21.1	22.6	23.8
122.9	23.8	25.7	27.6	29.2
142.8	28.1	30.5	32.8	34.7
162.8	32.5	35.4	38.2	40.3
175.0**	35.2	38.5	41.5	43.8
182.7	37.0	40.4	43.6	46.0
202.7	41.6	45.6	49.2	51.9
222.6	46.4	50.9	54.9	57.9
242.6	51.2	56.3	60.8	64.0
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MC-130H Combat Talon II
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	14.1	15.7	16.3	18.2
102.9	17.9	20.0	20.6	23.2
122.9	21.9	24.3	25.2	28.4
142.8	25.8	28.5	29.8	34.3
162.8	29.9	32.8	34.5	40.0
175.0**	32.4	35.5	37.5	43.8
182.7	34.0	37.3	39.3	46.2
202.7	38.1	41.8	44.2	52.6
222.6	42.3	46.5	50.2	59.2
242.6	46.7	51.4	55.9	66.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	15.6	16.7	17.7	18.7
102.9	19.7	21.1	22.6	23.8
122.9	23.8	25.7	27.6	29.2
142.8	28.1	30.5	32.8	34.7
162.8	32.5	35.4	38.2	40.3
175.0**	35.2	38.5	41.5	43.8
182.7	37.0	40.4	43.6	46.0
202.7	41.6	45.6	49.2	51.9
222.6	46.4	50.9	54.9	57.9
242.6	51.2	56.3	60.8	64.0
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MC-130P Combat Shadow
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	14.1	15.7	16.3	18.2
102.9	17.9	20.0	20.6	23.2
122.9	21.9	24.3	25.2	28.4
142.8	25.8	28.5	29.8	34.3
162.8	29.9	32.8	34.5	40.0
175.0**	32.4	35.5	37.5	43.8
182.7	34.0	37.3	39.3	46.2
202.7	38.1	41.8	44.2	52.6
222.6	42.3	46.5	50.2	59.2
242.6	46.7	51.4	55.9	66.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	15.6	16.7	17.7	18.7
102.9	19.7	21.1	22.6	23.8
122.9	23.8	25.7	27.6	29.2
142.8	28.1	30.5	32.8	34.7
162.8	32.5	35.4	38.2	40.3
175.0**	35.2	38.5	41.5	43.8
182.7	37.0	40.4	43.6	46.0
202.7	41.6	45.6	49.2	51.9
222.6	46.4	50.9	54.9	57.9
242.6	51.2	56.3	60.8	64.0
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

MD-11
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
288.9*	23.9	24.7	27.6	34.3
362.3	31.1	33.0	36.8	48.0
435.7	38.6	41.5	46.8	63.7
509.1	46.4	50.7	58.0	80.2
582.5	55.8	60.5	71.3	97.0
633.0**	62.0	67.4	80.8	108.7
655.9	64.8	70.6	85.4	114.0
729.3	74.3	81.7	100.8	131.1
802.7	84.6	93.3	117.0	148.0
876.1	95.0	107.1	133.8	164.9
949.5	105.7	121.2	151.0	182.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
288.9*	23.2	25.3	28.8	33.0
362.3	29.8	33.4	38.9	44.7
435.7	36.8	42.2	49.7	57.3
509.1	44.3	51.9	61.6	70.7
582.5	52.4	62.3	74.2	84.9
633.0**	58.3	69.9	83.2	95.0
655.9	61.1	73.4	87.5	99.7
729.3	70.4	85.3	101.5	115.1
802.7	80.4	97.7	116.1	131.0
876.1	90.8	110.9	131.2	147.4
949.5	101.9	124.5	146.9	164.4

* Minimum operating weight

** Maximum takeoff weight

MD-81
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
77.9*	18	18.3	20.4	23.5
92.6	21.9	22.4	25.3	28.7
107.3	26	26.8	30.3	34
121.9	30.2	31.3	35.6	39.3
136.6	34.5	36.2	41	44.6
140**	35.5	37.3	42.2	45.8
151.3	38.8	41.4	46.4	49.8
166	43.3	47.1	51.8	55.1
180.6	48	52.3	57.2	60.4
195.3	54	57.9	62.6	65.7
210	59.2	63.5	67.9	71

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
77.9*	19.7	21.2	22.4	23.2
92.6	24.2	25.9	27.4	28.3
107.3	28.8	30.9	32.5	33.5
121.9	33.7	36	37.8	38.8
136.6	38.6	41.2	43.2	44.2
140**	39.8	42.5	44.4	45.5
151.3	43.7	46.6	48.6	49.8
166	48.9	52	54.2	55.4
180.6	54.3	57.6	59.9	61.1
195.3	59.7	63.2	65.7	66.8
210	65.2	69	71.6	72.7

* Minimum operating weight

** Maximum takeoff weight

MD-82/88
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
78*	17.9	18.4	20.5	23.6
94.2	22.4	22.9	25.9	29.4
110.5	26.8	28.4	31.6	35.2
126.7	31.7	33.7	37.5	41
143	36.7	39.1	43.4	46.8
149.5**	38.6	41.4	45.8	49.1
159.2	41.5	45	49.3	52.6
175.5	47.4	51.1	55.3	58.5
191.7	53	57.3	61.2	64.3
208	58.9	63.4	67.2	70.2
224.3	64.9	69.6	73.1	76

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
78*	20.2	21.6	22.8	23.5
94.2	25.3	27.1	28.4	29.3
110.5	30.6	32.7	34.2	35.1
126.7	36.1	38.4	40.2	41.1
143	41.8	44.4	46.3	47.3
149.5**	44.1	46.8	48.8	49.8
159.2	47.6	50.5	52.5	53.5
175.5	53.5	56.6	58.8	59.9
191.7	59.6	63	65.3	66.3
208	65.9	69.4	71.8	72.8
224.3	72.2	76	78.5	79.5

* Minimum operating weight

** Maximum takeoff weight

**MD-83
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
79.7*	18.3	19	21.1	24.1
97.5	23.5	24.3	27.1	30.5
115.3	28.5	30.1	33.4	36.9
133.1	33.8	36.1	39.9	43.3
150.9	39.3	42.3	46.3	49.7
160**	42.1	45.6	49.6	52.9
168.8	45.5	48.9	52.8	56.1
186.6	51.5	55.5	59.5	62.5
204.4	58	62.3	66.1	68.9
222.2	64.5	69.1	72.7	75.3
240	71.2	75.9	79.3	81.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
79.7*	21.1	22.5	23.6	24.4
97.5	26.8	28.5	29.9	30.7
115.3	32.7	34.8	36.4	37.3
133.1	38.9	41.3	43	43.9
150.9	45.2	47.9	49.8	50.8
160**	48.6	51.4	53.3	54.3
168.8	51.8	54.7	56.7	57.7
186.6	58.5	61.7	63.8	64.8
204.4	65.4	68.8	71	72
222.2	72.3	76	78.3	79.2
240	79.5	83.3	85.8	86.7

* Minimum operating weight

** Maximum takeoff weight

MD-87
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
74.9*	17.1	17.6	19.5	22.4
91.5	21.6	22.1	25	28.4
108.1	26.1	27.6	30.7	34.3
124.7	31	33	36.8	40.2
141.3	36.1	38.5	42.8	46.2
149.5**	38.6	41.4	45.8	49.1
157.9	41.1	44.5	48.8	52.2
174.5	47	50.7	54.9	58.1
191.1	52.8	57	61	64.1
207.7	58.8	63.3	67.1	70.1
224.3	64.9	69.6	73.1	76

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
74.9*	19.2	20.6	21.7	22.5
91.5	24.4	26.1	27.5	28.3
108.1	29.8	31.8	33.4	34.3
124.7	35.4	37.7	39.4	40.4
141.3	41.2	43.7	45.6	46.6
149.5**	44.1	46.8	48.8	49.8
157.9	47.1	49.9	51.9	53
174.5	53.2	56.2	58.4	59.5
191.1	59.4	62.7	65	66
207.7	65.7	69.3	71.6	72.7
224.3	72.2	76	78.5	79.5

* Minimum operating weight

** Maximum takeoff weight

MH-53J/M Pave Low
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
23.5*	4.2	4.2	4.7	5.4
29.2	5.4	5.5	6.1	7.0
34.9	6.6	6.8	7.5	8.6
40.7	7.9	8.2	9.1	10.2
46.4	9.2	9.5	10.8	11.8
50.0**	10.0	10.5	11.9	12.9
52.1	10.5	11.0	12.5	13.5
57.8	11.9	12.6	14.1	15.1
63.6	13.4	14.4	15.8	16.7
69.3	14.8	16.0	17.5	18.3
75.0	16.5	17.6	18.9	20.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
23.5*	4.7	5.0	5.3	5.5
29.2	6.1	6.5	6.8	7.0
34.9	7.6	8.0	8.4	8.6
40.7	9.1	9.6	10.0	10.3
46.4	10.6	11.2	11.7	12.0
50.0**	11.6	12.3	12.8	13.0
52.1	12.2	12.9	13.4	13.7
57.8	13.9	14.6	15.1	15.4
63.6	15.5	16.3	16.9	17.2
69.3	17.2	18.1	18.7	18.9
75.0	19.0	19.9	20.5	20.7

* Minimum operating weight

** Maximum takeoff weight

**MHU-196 Airfield
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
40.0*	7.4	7.5	7.8	8.4
48.9	9.3	9.3	9.8	10.7
57.8	11.2	11.3	11.8	13.0
66.7	13.1	13.3	13.9	15.5
75.6	14.9	15.3	16.1	17.9
80.0**	15.8	16.3	17.2	19.2
84.4	16.8	17.4	18.3	20.5
93.3	19.1	19.5	20.6	23.1
102.2	21.1	21.7	23.1	25.7
111.1	23.2	23.8	25.5	28.3
120.0	25.4	26.1	28.0	31.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
40.0*	11.7	11.4	11.0	11.1
48.9	14.2	13.8	13.6	13.7
57.8	16.6	16.2	16.2	16.4
66.7	19.1	18.6	18.8	19.1
75.6	21.5	21.0	21.4	21.9
80.0**	22.7	22.3	22.7	23.3
84.4	23.9	23.6	24.1	24.7
93.3	26.2	26.1	26.8	27.5
102.2	28.6	28.7	29.5	30.3
111.1	30.9	31.4	32.3	33.2
120.0	33.2	34.0	35.1	36.1

* Minimum operating weight

** Maximum takeoff weight

MIG-25 Russian
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
43.2*	17.5	17.2	17.4	17.4
53.5	21.7	21.3	21.5	21.6
63.7	25.9	25.4	25.7	25.7
74.0	30.1	29.5	29.8	29.9
84.3	34.2	33.6	33.9	34.0
90.4**	36.7	36.1	36.4	36.5
94.5	38.4	37.7	38.1	38.1
104.8	42.6	41.8	42.2	42.3
115.1	46.7	45.9	46.3	46.4
125.3	50.9	50.0	50.5	50.6
135.6	55.1	54.1	54.6	54.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
43.2*	17.3	17.5	17.5	17.4
53.5	21.4	21.7	21.7	21.5
63.7	25.5	25.8	25.9	25.6
74.0	29.6	30.0	30.1	29.8
84.3	33.8	34.2	34.2	33.9
90.4**	36.2	36.7	36.7	36.4
94.5	37.9	38.4	38.4	38.0
104.8	42.0	42.5	42.6	42.2
115.1	46.1	46.7	46.8	46.3
125.3	50.2	50.9	50.9	50.4
135.6	54.3	55.0	55.1	54.5

* Minimum operating weight

** Maximum takeoff weight

**MIG-29 Russian
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
24.0*	9.6	9.6	9.6	9.7
28.6	11.4	11.4	11.5	11.5
33.2	13.3	13.2	13.3	13.4
37.7	15.1	15.0	15.1	15.2
42.3	16.9	16.9	17.0	17.1
43.4**	17.4	17.3	17.4	17.5
46.9	18.7	18.7	18.8	18.9
51.4	20.6	20.5	20.6	20.7
56.0	22.4	22.3	22.4	22.6
60.6	24.2	24.2	24.3	24.4
65.1	26.0	26.0	26.1	26.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
24.0*	9.5	9.6	9.6	9.6
28.6	11.3	11.4	11.5	11.4
33.2	13.1	13.3	13.3	13.2
37.7	14.9	15.1	15.2	15.1
42.3	16.8	17.0	17.0	16.9
43.4**	17.2	17.4	17.5	17.3
46.9	18.6	18.8	18.9	18.7
51.4	20.4	20.7	20.7	20.5
56.0	22.2	22.5	22.6	22.4
60.6	24.0	24.3	24.4	24.2
65.1	25.8	26.2	26.2	26.0

* Minimum operating weight

** Maximum takeoff weight

Mirage 2000, MIR2
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.4*	7.1	6.8	6.7	6.6
21.7	8.8	8.6	8.4	8.3
26	10.6	10.2	10	9.9
30.4	12.3	11.9	11.7	11.5
34.7	14	13.6	13.4	13.2
37.5**	15.2	14.7	14.4	14.2
39	15.8	15.3	15	14.8
43.3	17.6	17	16.7	16.5
47.6	19.3	18.7	18.3	18.1
51.9	21.1	20.4	20	19.7
56.3	22.8	22.1	21.7	21.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
17.4*	7.3	7.3	7.2	7.1
21.7	9.1	9.1	9	8.9
26	11	11	10.9	10.7
30.4	12.8	12.8	12.7	12.5
34.7	14.7	14.7	14.5	14.3
37.5**	15.9	15.9	15.7	15.4
39	16.5	16.5	16.3	16
43.3	18.4	18.4	18.2	17.8
47.6	20.3	20.2	20	19.6
51.9	22.1	22.1	21.9	21.4
56.3	24	24	23.7	23.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from F-16D which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

MQ-1B Predator
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.9*	0.3	0.4	0.6	0.7
2.1	0.4	0.5	0.6	0.7
2.2	0.4	0.5	0.7	0.8
2.3	0.4	0.5	0.7	0.8
2.4	0.4	0.6	0.7	0.9
2.6**	0.4	0.6	0.8	0.9
2.7	0.5	0.6	0.8	1.0
2.9	0.5	0.7	0.9	1.0
3.1	0.5	0.7	0.9	1.1
3.2	0.5	0.7	1.0	1.1
3.4	0.6	0.8	1.0	1.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
1.9*	0.5	0.5	0.5	0.6
2.1	0.5	0.6	0.6	0.6
2.2	0.6	0.6	0.6	0.7
2.3	0.6	0.6	0.6	0.7
2.4	0.6	0.6	0.7	0.7
2.6**	0.7	0.7	0.7	0.7
2.7	0.7	0.7	0.8	0.8
2.9	0.7	0.8	0.8	0.8
3.1	0.8	0.8	0.9	0.9
3.2	0.8	0.9	0.9	0.9
3.4	0.9	0.9	1.0	1.0

* Minimum operating weight

** Maximum takeoff weight

MQ-1C Gray Eagle
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.6*	0.5	0.6	0.8	1.0
2.9	0.5	0.7	0.9	1.1
3.2	0.6	0.8	1.0	1.2
3.5	0.6	0.9	1.1	1.3
3.6	0.6	0.9	1.2	1.4
3.8**	0.7	0.9	1.2	1.4
4.1	0.7	1.0	1.3	1.6
4.5	0.8	1.1	1.4	1.7
4.8	0.9	1.2	1.5	1.8
5.1	0.9	1.2	1.6	1.9
5.4	1.0	1.3	1.7	2.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
2.6*	0.7	0.7	0.8	0.8
2.9	0.8	0.8	0.9	0.9
3.2	0.9	0.9	0.9	1.0
3.5	0.9	1.0	1.0	1.1
3.6	1.0	1.0	1.1	1.1
3.8**	1.0	1.1	1.1	1.2
4.1	1.1	1.2	1.2	1.3
4.5	1.2	1.3	1.3	1.4
4.8	1.3	1.3	1.4	1.5
5.1	1.3	1.4	1.5	1.6
5.4	1.4	1.5	1.6	1.7

* Minimum operating weight

** Maximum takeoff weight

MQ-5B Hunter
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.5*	0.4	0.5	0.6	0.6
1.6	0.4	0.5	0.6	0.6
1.8	0.5	0.6	0.7	0.7
2.0	0.5	0.6	0.7	0.8
2.0	0.5	0.6	0.7	0.8
2.1**	0.5	0.7	0.8	0.8
2.3	0.6	0.7	0.9	0.9
2.4	0.6	0.8	0.9	1.0
2.6	0.7	0.8	1.0	1.0
2.8	0.7	0.9	1.0	1.1
2.9	0.8	0.9	1.1	1.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
1.5*	0.5	0.5	0.5	0.5
1.6	0.5	0.5	0.5	0.6
1.8	0.6	0.6	0.6	0.6
2.0	0.6	0.6	0.7	0.7
2.0	0.6	0.6	0.7	0.7
2.1**	0.7	0.7	0.7	0.7
2.3	0.7	0.7	0.8	0.8
2.4	0.8	0.8	0.8	0.8
2.6	0.8	0.8	0.9	0.9
2.8	0.9	0.9	0.9	0.9
2.9	0.9	0.9	1.0	1.0

* Minimum operating weight

** Maximum takeoff weight

**MQ-8 Fire Scout
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.0*	0.1	0.1	0.2	0.3
2.3	0.1	0.1	0.2	0.3
2.6	0.1	0.2	0.3	0.4
2.9	0.1	0.2	0.3	0.4
3.2	0.1	0.2	0.3	0.4
3.2**	0.1	0.2	0.3	0.4
3.5	0.2	0.2	0.3	0.5
3.8	0.2	0.3	0.4	0.5
4.1	0.2	0.3	0.4	0.6
4.4	0.2	0.3	0.4	0.6
4.7	0.2	0.3	0.5	0.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
2.0*	0.2	0.3	0.3	0.3
2.3	0.3	0.3	0.3	0.3
2.6	0.3	0.3	0.4	0.4
2.9	0.3	0.4	0.4	0.4
3.2	0.4	0.4	0.4	0.5
3.2**	0.4	0.4	0.4	0.5
3.5	0.4	0.5	0.5	0.5
3.8	0.5	0.5	0.5	0.6
4.1	0.5	0.5	0.6	0.6
4.4	0.5	0.6	0.6	0.6
4.7	0.6	0.6	0.6	0.7

* Minimum operating weight

** Maximum takeoff weight

MQ-9A Reaper
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.9*	2.0	2.0	2.1	2.1
6.1	2.5	2.5	2.6	2.6
7.3	3.1	3.0	3.1	3.1
8.5	3.6	3.5	3.6	3.6
9.7	4.1	4.0	4.1	4.1
10.5**	4.4	4.4	4.4	4.4
10.9	4.6	4.6	4.6	4.6
12.1	5.1	5.1	5.1	5.1
13.3	5.6	5.6	5.6	5.6
14.5	6.1	6.1	6.1	6.1
15.8	6.6	6.6	6.6	6.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.9*	2.0	2.0	2.0	2.0
6.1	2.5	2.5	2.5	2.5
7.3	3.0	3.0	3.0	3.0
8.5	3.5	3.5	3.5	3.5
9.7	4.0	4.0	4.0	4.0
10.5**	4.3	4.3	4.4	4.3
10.9	4.5	4.5	4.5	4.5
12.1	5.0	5.0	5.0	5.0
13.3	5.5	5.5	5.6	5.5
14.5	6.0	6.0	6.1	6.0
15.8	6.5	6.6	6.6	6.5

* Minimum operating weight

** Maximum takeoff weight

**MV-22 Osprey
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
33.5*	5.4	5.9	6.4	7.6
39.9	6.6	7.2	7.9	9.5
46.3	7.8	8.6	9.5	11.3
52.6	9.1	9.9	11.3	13.1
59.0	10.4	11.4	13.1	15.0
60.5**	10.7	11.7	13.5	15.4
65.3	11.7	12.9	14.9	16.8
71.7	13.2	14.5	16.7	18.7
78.0	14.6	16.2	18.6	20.5
84.4	16.3	17.8	20.5	22.3
90.8	18.0	19.9	22.3	24.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
33.5*	6.0	6.6	7.0	7.4
39.9	7.4	8.0	8.6	9.0
46.3	8.8	9.6	10.2	10.7
52.6	10.3	11.2	11.9	12.4
59.0	11.8	12.8	13.6	14.2
60.5**	12.2	13.2	14.1	14.6
65.3	13.4	14.5	15.4	16.0
71.7	15.0	16.2	17.2	17.8
78.0	16.7	18.0	19.0	19.6
84.4	18.4	19.8	20.8	21.5
90.8	20.1	21.6	22.7	23.3

* Minimum operating weight

** Maximum takeoff weight

OC-135B Open Skies
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
126.4*	12.2	12.3	13.7	16.7
161.9	15.9	16.6	18.8	24.0
197.3	20.3	21.3	24.4	32.0
232.8	24.7	26.1	30.5	40.4
268.2	29.3	31.5	37.8	49.4
297.0**	33.1	36.3	43.7	56.8
303.7	34.0	37.3	45.1	58.6
339.1	39.9	43.6	53.0	68.2
374.6	45.2	50.0	61.2	77.9
410.0	50.9	56.9	69.8	87.9
445.5	56.8	65.0	78.4	97.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
126.4*	11.2	12.2	14.0	16.1
161.9	14.6	16.5	19.3	22.5
197.3	18.3	21.2	25.2	29.4
232.8	22.3	26.4	31.6	36.8
268.2	26.6	32.0	38.6	44.6
297.0**	30.3	36.9	44.5	51.3
303.7	31.2	38.0	45.9	52.9
339.1	36.2	44.5	53.6	61.4
374.6	41.5	51.3	61.7	70.3
410.0	47.2	58.6	70.2	79.5
445.5	53.2	66.1	78.9	89.1

* Minimum operating weight

** Maximum takeoff weight

OH-58A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
1.5*	0.1	0.1	0.2	0.2
1.9	0.1	0.1	0.2	0.3
2.2	0.1	0.1	0.2	0.3
2.5	0.1	0.2	0.3	0.4
2.9	0.1	0.2	0.3	0.4
3.0**	0.1	0.2	0.3	0.5
3.2	0.1	0.2	0.3	0.5
3.5	0.1	0.2	0.4	0.5
3.8	0.2	0.3	0.4	0.6
4.2	0.2	0.3	0.4	0.6
4.5	0.2	0.3	0.5	0.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
1.5*	0.2	0.2	0.2	0.2
1.9	0.2	0.2	0.3	0.3
2.2	0.3	0.3	0.3	0.3
2.5	0.3	0.3	0.3	0.4
2.9	0.3	0.4	0.4	0.4
3.0**	0.3	0.4	0.4	0.4
3.2	0.4	0.4	0.4	0.4
3.5	0.4	0.4	0.5	0.5
3.8	0.4	0.5	0.5	0.5
4.2	0.5	0.5	0.6	0.6
4.5	0.5	0.6	0.6	0.6

* Minimum operating weight

** Maximum takeoff weight

OV-1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.0*	2.3	2.7	3.0	3.1
10.1	2.9	3.4	3.7	3.9
12.2	3.5	4.1	4.5	4.7
14.3	4.1	4.9	5.3	5.5
16.4	4.7	5.6	6.1	6.3
18.0**	5.2	6.1	6.6	6.9
18.6	5.3	6.3	6.8	7.2
20.7	5.9	7.0	7.6	8.0
22.8	6.5	7.7	8.4	8.8
24.9	7.1	8.5	9.2	9.6
27.0	7.8	9.1	10.0	10.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.0*	2.5	2.6	2.7	2.7
10.1	3.2	3.3	3.4	3.4
12.2	3.9	4.0	4.1	4.2
14.3	4.5	4.7	4.8	4.9
16.4	5.2	5.4	5.5	5.6
18.0**	5.7	5.9	6.0	6.1
18.6	5.8	6.1	6.2	6.3
20.7	6.5	6.8	6.9	7.0
22.8	7.2	7.4	7.6	7.7
24.9	7.8	8.1	8.3	8.4
27.0	8.5	8.8	9.0	9.1

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - High Pressure
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
68.0*	15.7	16.1	17.9	20.6
84.6	20.3	21.0	23.5	26.5
101.2	25.1	26.2	29.4	32.4
117.8	30.0	32.0	35.4	38.4
134.4	35.1	37.9	41.5	44.3
145.0**	38.9	41.8	45.3	48.1
151.1	40.4	44.1	47.5	50.3
167.7	46.8	50.4	53.6	56.2
184.3	52.8	56.6	59.8	62.2
200.9	59.1	62.9	65.9	68.1
217.5	65.4	69.3	72.1	74.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
68.0*	17.9	19.1	20.1	20.7
84.6	23.2	24.8	25.9	26.6
101.2	28.8	30.6	32.0	32.7
117.8	34.6	36.6	38.2	39.0
134.4	40.6	42.9	44.5	45.4
145.0**	44.5	46.9	48.6	49.5
151.1	46.7	49.2	51.0	51.9
167.7	53.0	55.8	57.7	58.5
184.3	59.5	62.4	64.4	65.2
200.9	66.0	69.3	71.3	72.1
217.5	72.8	76.1	78.2	78.9

* Minimum operating weight

** Maximum takeoff weight

**P-3C Orion - Low Pressure
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
76.1*	17.7	18.4	20.6	23.5
91.9	22.2	22.9	26.0	29.1
107.6	26.7	28.3	31.7	34.7
123.3	31.4	33.6	37.4	40.3
139.0	36.3	39.2	43.1	45.9
145.0**	38.3	41.5	45.3	48.0
154.7	41.4	45.2	48.8	51.5
170.4	47.4	51.1	54.6	57.2
186.1	53.0	57.1	60.3	62.8
201.8	59.1	63.0	66.0	68.4
217.5	65.0	68.9	71.7	74.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
76.1*	20.2	21.6	22.7	23.4
91.9	25.2	26.9	28.2	29.0
107.6	30.5	32.5	33.9	34.7
123.3	35.9	38.2	39.8	40.7
139.0	41.6	44.0	45.8	46.7
145.0**	43.8	46.3	48.1	49.0
154.7	47.3	50.1	51.9	52.8
170.4	53.3	56.2	58.1	59.0
186.1	59.3	62.4	64.5	65.4
201.8	65.5	68.8	70.9	71.8
217.5	71.8	75.3	77.5	78.3

* Minimum operating weight

** Maximum takeoff weight

P-3N Orion
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
68.0*	15.6	16.0	17.8	20.5
81.8	19.4	19.9	22.5	25.4
95.6	23.3	24.1	27.2	30.4
109.3	27.2	28.2	32.2	35.3
123.1	31.3	33.1	37.3	40.3
128.0**	32.7	34.8	39.1	42.0
136.9	35.4	38.2	42.3	45.2
150.7	39.8	43.3	47.4	50.2
164.4	45.1	48.4	52.4	55.2
178.2	50.1	53.7	57.5	60.1
192.0	54.9	58.9	62.5	65.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
68.0*	17.3	18.6	19.7	20.3
81.8	21.6	23.1	24.4	25.1
95.6	26.0	27.9	29.2	30.1
109.3	30.7	32.7	34.2	35.1
123.1	35.4	37.7	39.3	40.2
128.0**	37.1	39.5	41.2	42.1
136.9	40.3	42.7	44.5	45.5
150.7	45.2	47.9	49.9	50.8
164.4	50.3	53.2	55.2	56.2
178.2	55.5	58.6	60.7	61.7
192.0	60.8	64.1	66.3	67.2

* Minimum operating weight

** Maximum takeoff weight

P-8A Poseidon
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
98.5*	22.8	23.3	24.8	28.9
118.9	28.2	29.0	31.6	36.1
139.3	33.9	35.0	38.5	43.5
159.8	39.7	41.7	45.8	50.9
180.2	45.6	48.5	53.2	58.2
188.2**	48.1	51.3	56.2	61.1
200.6	51.9	55.5	60.8	65.6
221.0	58.2	62.7	68.3	73.0
241.5	65.7	70.2	75.8	80.3
261.9	72.5	77.8	83.4	87.6
282.3	79.6	85.6	90.9	94.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
98.5*	25.8	27.5	28.8	29.7
118.9	32.2	34.2	35.9	36.9
139.3	38.8	41.3	43.2	44.2
159.8	45.7	48.5	50.6	51.7
180.2	52.8	55.9	58.2	59.4
188.2**	55.6	58.9	61.3	62.5
200.6	60.0	63.5	66.0	67.2
221.0	67.5	71.2	73.9	75.1
241.5	75.0	79.1	81.9	83.2
261.9	82.8	87.2	90.1	91.3
282.3	90.7	95.3	98.3	99.5

* Minimum operating weight

** Maximum takeoff weight

PC-7
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.4*	1.4	1.6	1.6	1.7
5.1	1.7	1.8	1.9	2
5.8	1.9	2.1	2.2	2.2
6.5	2.1	2.4	2.4	2.5
7.2	2.3	2.6	2.7	2.8
7.2**	2.3	2.6	2.7	2.8
8	2.6	2.9	3	3.1
8.7	2.8	3.1	3.2	3.3
9.4	3.1	3.4	3.5	3.6
10.1	3.3	3.6	3.7	3.9
10.8	3.5	3.9	4	4.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.4*	1.5	1.5	1.5	1.5
5.1	1.7	1.8	1.8	1.8
5.8	2	2	2	2
6.5	2.2	2.3	2.3	2.3
7.2	2.4	2.5	2.5	2.5
7.2**	2.4	2.5	2.5	2.5
8	2.7	2.7	2.8	2.8
8.7	2.9	3	3	3.1
9.4	3.2	3.2	3.3	3.3
10.1	3.4	3.5	3.5	3.6
10.8	3.6	3.7	3.8	3.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-37B which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Phantom FG MK1
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
32.0*	13.7	13.3	13.0	12.7
38.1	16.4	15.9	15.5	15.2
44.3	19.0	18.5	18.0	17.6
50.5	21.6	21.0	20.5	20.1
56.7	24.3	23.6	23.0	22.5
58.3**	25.0	24.3	23.6	23.2
62.8	26.9	26.2	25.5	25.0
69.0	29.6	28.7	28.0	27.4
75.2	32.2	31.3	30.5	29.9
81.3	34.9	33.9	33.0	32.3
87.5	37.5	36.5	35.5	34.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
32.0*	14.5	14.4	14.2	14.0
38.1	17.3	17.3	17.0	16.7
44.3	20.2	20.1	19.8	19.4
50.5	23.1	23.0	22.7	22.2
56.7	25.9	25.8	25.5	24.9
58.3**	26.7	26.6	26.2	25.7
62.8	28.8	28.7	28.3	27.7
69.0	31.7	31.5	31.1	30.4
75.2	34.6	34.4	33.9	33.1
81.3	37.4	37.3	36.7	35.9
87.5	40.3	40.1	39.5	38.6

* Minimum operating weight

** Maximum takeoff weight

Puma HC Mk1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.3*	2.4	2.5	2.8	3.1
15.9	2.9	3	3.4	3.9
18.5	3.5	3.6	4.1	4.6
21	4.2	4.3	4.8	5.3
23.6	4.7	5	5.6	6
24.3**	4.9	5.2	5.8	6.2
26.2	5.3	5.7	6.3	6.7
28.8	6	6.4	7.1	7.5
31.3	6.8	7.1	7.8	8.2
33.9	7.5	7.9	8.5	8.9
36.5	8.2	8.6	9.3	9.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.3*	2.8	2.9	3.1	3.2
15.9	3.4	3.6	3.8	3.9
18.5	4.1	4.3	4.5	4.6
21	4.8	5	5.2	5.4
23.6	5.5	5.8	6	6.1
24.3**	5.7	6	6.2	6.3
26.2	6.2	6.5	6.8	6.9
28.8	6.9	7.3	7.5	7.7
31.3	7.7	8.1	8.3	8.5
33.9	8.5	8.8	9.1	9.3
36.5	9.2	9.6	9.9	10.1

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from UH-46 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

RC-26B Metroliner
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.5*	1.7	1.9	2.1	2.4
11.2	2.0	2.3	2.5	3.0
12.9	2.4	2.7	3.0	3.5
14.6	2.8	3.2	3.5	4.1
16.3	3.2	3.6	4.0	4.7
16.5**	3.2	3.7	4.1	4.7
18.0	3.6	4.1	4.6	5.2
19.7	4.0	4.5	5.1	5.8
21.4	4.4	5.0	5.7	6.4
23.1	4.8	5.5	6.2	6.9
24.8	5.3	6.0	6.8	7.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.5*	2.0	2.2	2.3	2.4
11.2	2.4	2.6	2.8	2.9
12.9	2.8	3.1	3.3	3.4
14.6	3.3	3.6	3.8	4.0
16.3	3.8	4.1	4.3	4.5
16.5**	3.8	4.1	4.4	4.6
18.0	4.3	4.6	4.9	5.0
19.7	4.7	5.1	5.4	5.6
21.4	5.3	5.6	6.0	6.2
23.1	5.8	6.2	6.5	6.7
24.8	6.3	6.7	7.1	7.3

* Minimum operating weight

** Maximum takeoff weight

RC-135M
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
130.1*	12.6	12.8	14.3	17.4
165.9	16.6	17.1	19.5	24.9
201.7	20.8	21.9	25.2	33.0
237.5	25.3	26.8	31.4	41.6
273.3	30.0	32.4	38.8	50.7
301.6**	33.7	37.0	44.7	58.0
309.2	34.8	38.3	46.3	60.1
345.0	40.8	44.6	54.4	69.8
380.8	46.1	51.1	62.7	79.7
416.6	52.0	58.2	71.4	89.7
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
130.1*	11.6	12.7	14.5	16.8
165.9	15.0	17.0	20.0	23.2
201.7	18.8	21.8	26.0	30.3
237.5	22.9	27.1	32.6	37.8
273.3	27.2	32.8	39.6	45.8
301.6**	30.9	37.7	45.5	52.4
309.2	32.0	39.0	47.1	54.2
345.0	37.1	45.6	54.9	62.8
380.8	42.5	52.6	63.2	71.9
416.6	48.3	60.0	71.8	81.3
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

RC-135S Cobra Ball
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
141.6*	13.9	14.1	15.8	19.8
176.1	17.8	18.3	21.0	27.2
210.7	21.9	23.1	26.7	35.0
245.2	26.3	28.0	32.9	43.5
279.7	30.8	33.4	40.1	52.3
301.6**	33.7	37.0	44.7	58.0
314.3	35.5	39.1	47.4	61.5
348.8	41.4	45.3	55.2	70.9
383.3	46.5	51.6	63.3	80.4
417.9	52.2	58.5	71.7	90.1
452.4	58.0	66.6	80.2	99.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
141.6*	12.7	14.0	16.2	18.8
176.1	16.1	18.3	21.6	25.2
210.7	19.8	23.1	27.6	32.1
245.2	23.8	28.3	34.0	39.5
279.7	28.0	33.9	40.9	47.3
301.6**	30.9	37.7	45.5	52.4
314.3	32.7	39.9	48.2	55.4
348.8	37.6	46.3	55.8	63.8
383.3	42.9	53.1	63.9	72.6
417.9	48.5	60.2	72.1	81.6
452.4	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RC-135U Combat Sent
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
150.6*	14.7	15.2	17.2	21.7
184.1	18.7	19.4	22.2	29.0
217.7	22.8	24.1	27.9	36.7
251.2	27.1	28.9	34.4	45.1
284.7	31.5	34.3	41.1	53.6
301.6**	33.7	37.0	44.7	58.0
318.3	36.6	39.8	48.3	62.6
351.8	41.9	45.9	55.9	71.7
385.3	46.8	52.0	63.8	81.0
418.9	52.4	58.7	71.9	90.4
452.4	58.0	66.6	80.2	99.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
150.6*	13.5	15.1	17.6	20.4
184.1	16.9	19.4	23.0	26.8
217.7	20.6	24.1	28.9	33.6
251.2	24.6	29.2	35.3	40.8
284.7	28.7	34.8	41.9	48.4
301.6**	30.9	37.7	45.5	52.4
318.3	33.2	40.6	49.1	56.4
351.8	38.1	46.9	56.5	64.6
385.3	43.2	53.5	64.4	73.1
418.9	48.7	60.4	72.3	81.9
452.4	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

**RC-135V Rivet Joint
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
173.0*	17.4	18.0	20.5	26.5
204.0	21.1	22.2	25.6	33.5
235.1	25.0	26.4	31.0	41.0
266.1	29.1	31.2	37.3	48.8
297.2	33.1	36.3	43.7	56.8
301.6**	33.7	37.0	44.7	58.0
328.2	38.1	41.6	50.6	65.3
359.3	43.0	47.2	57.6	73.7
390.3	47.6	53.0	65.0	82.4
421.4	52.8	59.2	72.5	91.1
452.4	58.0	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
173.0*	15.8	17.9	21.1	24.6
204.0	19.0	22.1	26.4	30.7
235.1	22.6	26.7	32.1	37.3
266.1	26.4	31.6	38.2	44.1
297.2	30.3	36.9	44.5	51.4
301.6**	30.9	37.7	45.5	52.4
328.2	34.7	42.4	51.2	58.7
359.3	39.2	48.3	58.2	66.4
390.3	44.0	54.5	65.6	74.4
421.4	49.1	61.0	72.9	82.6
452.4	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RC-135W Rivet Joint
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
173.0*	17.4	18.0	20.5	26.5
204.0	21.1	22.2	25.6	33.5
235.1	25.0	26.4	31.0	41.0
266.1	29.1	31.2	37.4	48.8
297.2	33.1	36.3	43.7	56.8
301.6**	33.7	37.0	44.7	58.0
328.2	38.1	41.6	50.6	65.3
359.3	43.0	47.2	57.6	73.7
390.3	47.6	53.0	65.0	82.4
421.4	52.8	59.2	72.5	91.1
452.4	58.0	66.6	80.2	99.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
173.0*	15.8	17.9	21.1	24.6
204.0	19.0	22.1	26.4	30.7
235.1	22.6	26.7	32.1	37.3
266.1	26.4	31.6	38.2	44.1
297.2	30.3	36.9	44.5	51.4
301.6**	30.9	37.7	45.5	52.4
328.2	34.7	42.4	51.2	58.7
359.3	39.2	48.3	58.2	66.4
390.3	44.0	54.5	65.6	74.4
421.4	49.1	61.0	72.9	82.6
452.4	54.5	67.6	80.7	91.0

* Minimum operating weight

** Maximum takeoff weight

RQ-4A Global Hawk BLK 10
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.9*	2.5	2.6	2.8	3.1
15.0	3.3	3.4	3.7	4.2
18.2	4.1	4.3	4.6	5.2
21.3	5.0	5.2	5.6	6.2
24.4	5.8	6.1	6.7	7.3
26.8**	6.5	6.8	7.4	8.0
27.6	6.7	7.1	7.7	8.3
30.7	7.7	8.1	8.8	9.4
33.9	8.6	9.1	9.8	10.4
37.0	9.6	10.3	10.9	11.5
40.1	10.6	11.3	12.0	12.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
11.9*	3.0	3.1	3.3	3.4
15.0	3.9	4.1	4.3	4.4
18.2	4.9	5.1	5.3	5.5
21.3	5.9	6.2	6.4	6.5
24.4	6.9	7.3	7.5	7.7
26.8**	7.7	8.1	8.3	8.5
27.6	8.0	8.4	8.6	8.8
30.7	9.1	9.5	9.8	9.9
33.9	10.2	10.7	11.0	11.1
37.0	11.4	11.8	12.1	12.3
40.1	12.5	13.0	13.3	13.5

* Minimum operating weight

** Maximum takeoff weight

RQ-4B Global Hawk BLK 20
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.3*	6.8	6.6	6.4	6.3
19.0	8.4	8.1	7.9	7.8
22.7	10.0	9.7	9.4	9.3
26.3	11.6	11.3	11.0	10.8
30.0	13.2	12.9	12.5	12.3
32.3**	14.1	13.8	13.4	13.2
33.7	14.9	14.4	14.0	13.8
37.4	16.5	16.0	15.6	15.3
41.0	18.1	17.6	17.1	16.8
44.7	19.7	19.1	18.6	18.3
48.4	21.3	20.7	20.2	19.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
15.3*	7.0	7.0	6.9	6.8
19.0	8.7	8.7	8.6	8.5
22.7	10.5	10.4	10.3	10.1
26.3	12.2	12.2	12.0	11.8
30.0	14.0	13.9	13.7	13.5
32.3**	15.0	15.0	14.8	14.5
33.7	15.7	15.6	15.5	15.2
37.4	17.4	17.4	17.2	16.8
41.0	19.2	19.1	18.9	18.5
44.7	20.9	20.9	20.6	20.2
48.4	22.7	22.6	22.3	21.8

* Minimum operating weight

** Maximum takeoff weight

RQ-7A/B Shadow 200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
0.4*	0.0	0.0	0.1	0.1
0.4	0.0	0.0	0.1	0.1
0.4	0.0	0.0	0.1	0.1
0.4	0.0	0.0	0.1	0.1
0.4	0.0	0.0	0.1	0.1
0.5**	0.0	0.0	0.1	0.1
0.5	0.0	0.0	0.1	0.1
0.5	0.0	0.0	0.1	0.1
0.5	0.0	0.0	0.1	0.1
0.5	0.0	0.0	0.1	0.1
0.6	0.0	0.1	0.1	0.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
0.4*	0.1	0.1	0.1	0.1
0.4	0.1	0.1	0.1	0.1
0.4	0.1	0.1	0.1	0.1
0.4	0.1	0.1	0.1	0.1
0.4	0.1	0.1	0.1	0.1
0.5**	0.1	0.1	0.1	0.1
0.5	0.1	0.1	0.1	0.1
0.5	0.1	0.1	0.1	0.1
0.5	0.1	0.1	0.1	0.1
0.5	0.1	0.1	0.1	0.1
0.6	0.1	0.1	0.1	0.1

* Minimum operating weight

** Maximum takeoff weight

S3-B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
26.9*	10.7	10.3	10.3	10.1
32.6	13.0	12.5	12.5	12.3
38.4	15.3	14.8	14.7	14.5
44.2	17.6	17.0	16.9	16.7
49.9	19.9	19.2	19.1	18.8
52.5**	20.9	20.2	20.0	19.8
55.7	22.1	21.4	21.3	21.0
61.5	24.4	23.6	23.5	23.2
67.2	26.7	25.8	25.7	25.4
73.0	29.0	28.0	27.9	27.5
78.8	31.3	30.3	30.1	29.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
26.9*	10.9	10.9	10.9	10.7
32.6	13.3	13.3	13.2	13.0
38.4	15.7	15.7	15.6	15.4
44.2	18.1	18.1	18.0	17.7
49.9	20.5	20.5	20.3	20.0
52.5**	21.6	21.6	21.4	21.0
55.7	22.9	22.9	22.7	22.3
61.5	25.3	25.3	25.1	24.7
67.2	27.7	27.7	27.5	27.0
73.0	30.1	30.1	29.9	29.3
78.8	32.5	32.5	32.2	31.7

* Minimum operating weight

** Maximum takeoff weight

Sabreliner, N265
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10*	4.2	4.2	4.2	4.2
12	5.1	5	5	5.1
14	5.9	5.9	5.9	6
16	6.7	6.7	6.7	6.8
18	7.6	7.5	7.6	7.7
18.7**	7.9	7.8	7.9	7.9
20	8.4	8.4	8.4	8.5
22	9.3	9.2	9.3	9.4
24	10.1	10.1	10.1	10.2
26	11	10.9	10.9	11.1
28.1	11.8	11.7	11.8	11.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10*	4.1	4.1	4.2	4.2
12	4.9	5	5	5
14	5.8	5.8	5.9	5.8
16	6.6	6.7	6.7	6.7
18	7.4	7.5	7.6	7.5
18.7**	7.7	7.8	7.8	7.8
20	8.3	8.4	8.4	8.4
22	9.1	9.2	9.2	9.2
24	9.9	10.1	10.1	10
26	10.8	10.9	10.9	10.9
28.1	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from T-39A which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Sea Harrier, FA2/FRS Mk1
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR ≥ 13)	B (8 < CBR < 13)	C (4 < CBR ≤ 8)	D (CBR ≤ 4)
14.9*	3.1	3.7	4	4.8
18.6	4.1	4.8	5.1	6.3
22.2	5.2	5.9	6.5	7.8
25.9	6.2	7.1	7.9	9.4
29.6	7.4	8.2	9.5	11
32**	8.1	9.2	10.6	12
33.3	8.5	9.6	11.1	12.6
37	9.7	10.9	12.7	14.2
40.6	11	12.4	14.2	15.8
44.3	12.2	13.9	15.8	17.5
48	13.7	15.4	17.4	19.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k ≥ 442)	B (221 < k < 442)	C (92 < k ≤ 221)	D (k ≤ 92)
14.9*	4.5	4.6	4.7	4.7
18.6	5.6	5.8	5.8	5.9
22.2	6.7	6.9	7	7.1
25.9	7.8	8	8.2	8.2
29.6	8.9	9.2	9.3	9.4
32**	9.6	9.9	10.1	10.2
33.3	10	10.3	10.5	10.6
37	11.1	11.4	11.6	11.8
40.6	12.2	12.5	12.8	13
44.3	13.3	13.7	14	14.2
48	14.3	14.8	15.2	15.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from AV-8 Harrier which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Sentry AEW MK1
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
180.7*	19.1	20.2	23.1	30.1
216.4	23.7	25.6	29.5	38.7
252.1	28.7	31.4	36.9	48.0
287.8	33.8	37.4	44.7	57.7
323.5	39.6	44.0	53.0	67.7
334.7**	41.5	46.1	55.7	70.8
359.2	45.7	50.8	61.6	77.7
394.9	51.9	58.8	70.7	87.6
430.6	58.5	66.8	79.8	97.7
466.3	65.2	75.3	89.4	107.9
502.1	72.3	83.9	99.3	118.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
180.7*	18.7	21.5	25.3	29.0
216.4	23.3	27.4	32.4	37.0
252.1	28.4	33.8	39.9	45.4
287.8	33.9	40.6	48.0	54.3
323.5	39.8	48.0	56.5	63.5
334.7**	41.7	50.4	59.2	66.4
359.2	46.1	55.7	65.4	73.0
394.9	52.8	63.8	74.5	83.0
430.6	59.8	72.3	84.1	93.2
466.3	67.3	81.2	94.0	103.6
502.1	75.1	90.3	104.1	114.2

* Minimum operating weight

** Maximum takeoff weight

Shorts Sherpa, SHD3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
17.4*	5.1	5.9	6.4	6.7
19.6	5.7	6.7	7.2	7.6
21.7	6.3	7.4	8	8.4
23.9	7	8.2	8.8	9.2
24.6	7.2	8.4	9.1	9.5
26.1**	7.6	8.9	9.6	10.1
28.2	8.2	9.6	10.4	10.9
30.4	8.9	10.4	11.2	11.8
32.6	9.5	11.1	12	12.6
34.7	10.1	11.8	12.8	13.4
36.9	10.8	12.6	13.6	14.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
17.4*	5.5	5.7	5.9	5.9
19.6	6.2	6.4	6.6	6.7
21.7	6.9	7.1	7.3	7.4
23.9	7.6	7.8	8	8.1
24.6	7.8	8.1	8.3	8.4
26.1**	8.2	8.6	8.8	8.9
28.2	8.9	9.3	9.5	9.6
30.4	9.6	10	10.2	10.3
32.6	10.2	10.7	10.9	11.1
34.7	10.9	11.4	11.7	11.8
36.9	11.6	12.1	12.4	12.5

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-23 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**Space Shuttle Orbiter
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
189.0*	43.3	45.1	48.1	53.6
206.3	47.9	50.1	53.7	59.3
223.7	53.3	55.2	59.4	64.9
230.0	55.2	57.0	61.5	67.0
241.0	58.4	60.4	65.2	70.5
258.3**	63.5	65.8	70.9	76.1
275.7	68.6	71.4	76.7	81.7
293.0	73.8	77.0	82.5	87.3
310.3	79.4	82.7	88.3	92.9
327.7	85.0	88.5	94.0	98.5
345.0	90.6	94.4	99.9	104.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
189.0*	52.5	55.0	56.7	57.6
206.3	58.3	61.0	62.8	63.7
223.7	64.1	67.0	69.0	69.8
230.0	66.2	69.2	71.3	72.1
241.0	70.0	73.2	75.2	76.0
258.3**	76.1	79.4	81.5	82.3
275.7	82.2	85.7	87.9	88.6
293.0	88.4	92.0	94.3	95.0
310.3	94.6	98.4	100.8	101.5
327.7	100.9	105.0	107.4	108.2
345.0	107.4	111.6	114.0	114.6

* Minimum operating weight

** Maximum takeoff weight

T-1A Jayhawk
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
11.0*	3.9	4.2	4.2	4.4
12.5	4.4	4.7	4.8	4.9
13.9	4.9	5.3	5.3	5.5
15.4	5.4	5.8	5.9	6.1
16.1	5.7	6.1	6.2	6.4
16.8**	5.9	6.4	6.5	6.7
18.3	6.5	6.9	7.0	7.3
19.8	7.0	7.5	7.6	7.8
21.2	7.5	8.1	8.2	8.4
22.7	8.0	8.6	8.7	9.0
24.2	8.5	9.2	9.3	9.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
11.0*	3.9	4.0	4.0	4.1
12.5	4.4	4.5	4.6	4.6
13.9	5.0	5.1	5.1	5.1
15.4	5.5	5.6	5.7	5.7
16.1	5.7	5.9	5.9	5.9
16.8**	6.0	6.1	6.2	6.2
18.3	6.5	6.7	6.7	6.8
19.8	7.0	7.2	7.3	7.3
21.2	7.6	7.7	7.8	7.8
22.7	8.1	8.3	8.4	8.4
24.2	8.6	8.8	8.9	8.9

* Minimum operating weight

** Maximum takeoff weight

T-2C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.0*	3.4	3.3	3.4	3.4
9.6	4.0	4.0	4.0	4.1
11.1	4.7	4.7	4.7	4.7
12.7	5.3	5.3	5.3	5.4
14.3	6.0	6.0	6.0	6.1
14.7**	6.2	6.2	6.2	6.3
15.8	6.7	6.6	6.7	6.7
17.4	7.3	7.3	7.3	7.4
19.0	8.0	7.9	8.0	8.1
20.5	8.6	8.6	8.6	8.7
22.1	9.3	9.3	9.3	9.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.0*	3.3	3.3	3.3	3.3
9.6	3.9	4.0	4.0	4.0
11.1	4.6	4.6	4.6	4.6
12.7	5.2	5.3	5.3	5.3
14.3	5.9	5.9	6.0	5.9
14.7**	6.1	6.1	6.2	6.1
15.8	6.5	6.6	6.6	6.6
17.4	7.2	7.3	7.3	7.3
19.0	7.8	7.9	8.0	7.9
20.5	8.5	8.6	8.6	8.6
22.1	9.1	9.2	9.3	9.2

* Minimum operating weight

** Maximum takeoff weight

T-6A Texan II
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.0*	2.1	2.0	2.0	2.0
5.5	2.3	2.2	2.2	2.2
6.0	2.5	2.4	2.4	2.4
6.5	2.7	2.6	2.6	2.6
6.6	2.7	2.6	2.6	2.6
7.1**	2.9	2.8	2.8	2.8
7.6	3.2	3.0	3.0	3.0
8.2	3.4	3.3	3.2	3.2
8.7	3.6	3.5	3.5	3.4
9.2	3.8	3.7	3.7	3.6
9.8	4.0	3.9	3.9	3.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
5.0*	2.0	2.0	2.0	2.0
5.5	2.2	2.2	2.2	2.2
6.0	2.4	2.5	2.4	2.4
6.5	2.6	2.7	2.6	2.6
6.6	2.7	2.7	2.7	2.6
7.1**	2.9	2.9	2.9	2.9
7.6	3.1	3.1	3.1	3.1
8.2	3.3	3.3	3.3	3.3
8.7	3.5	3.6	3.6	3.5
9.2	3.8	3.8	3.8	3.7
9.8	4.0	4.0	4.0	4.0

* Minimum operating weight

** Maximum takeoff weight

T-34C
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
2.2*	0.5	0.6	0.8	0.8
2.7	0.6	0.7	0.9	1.0
3.1	0.7	0.9	1.1	1.2
3.6	0.8	1.0	1.3	1.4
4.1	0.9	1.1	1.4	1.6
4.3**	0.9	1.2	1.5	1.7
4.6	1.0	1.3	1.6	1.8
5.0	1.1	1.4	1.7	1.9
5.5	1.2	1.5	1.9	2.1
6.0	1.3	1.7	2.1	2.3
6.5	1.4	1.8	2.2	2.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
2.2*	0.6	0.7	0.7	0.7
2.7	0.8	0.8	0.8	0.9
3.1	0.9	1.0	1.0	1.0
3.6	1.0	1.1	1.1	1.2
4.1	1.2	1.2	1.3	1.3
4.3**	1.2	1.3	1.4	1.4
4.6	1.3	1.4	1.4	1.5
5.0	1.4	1.5	1.6	1.6
5.5	1.6	1.7	1.7	1.8
6.0	1.7	1.8	1.9	1.9
6.5	1.8	1.9	2.0	2.1

* Minimum operating weight

** Maximum takeoff weight

T-37B Tweet
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.4*	1.4	1.6	1.6	1.7
5.1	1.7	1.8	1.9	2.0
5.8	1.9	2.1	2.2	2.2
6.5	2.1	2.4	2.4	2.5
7.2	2.3	2.6	2.7	2.8
7.2**	2.3	2.6	2.7	2.8
8.0	2.6	2.9	3.0	3.1
8.7	2.8	3.1	3.2	3.3
9.4	3.1	3.4	3.5	3.6
10.1	3.3	3.6	3.7	3.9
10.8	3.5	3.9	4.0	4.2

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.4*	1.5	1.5	1.5	1.5
5.1	1.7	1.8	1.8	1.8
5.8	2.0	2.0	2.0	2.0
6.5	2.2	2.3	2.3	2.3
7.2	2.4	2.5	2.5	2.6
7.2**	2.4	2.5	2.5	2.6
8.0	2.7	2.7	2.8	2.8
8.7	2.9	3.0	3.0	3.1
9.4	3.2	3.2	3.3	3.3
10.1	3.4	3.5	3.5	3.6
10.8	3.6	3.7	3.8	3.8

* Minimum operating weight

** Maximum takeoff weight

T-38 A/C Talon
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
8.3*	3.6	3.4	3.4	3.3
9.7	4.1	4.0	3.9	3.9
11.0	4.7	4.5	4.5	4.4
12.3	5.3	5.1	5.0	4.9
13.5	5.8	5.6	5.5	5.4
13.6**	5.8	5.6	5.5	5.5
15.0	6.4	6.2	6.1	6.0
16.3	7.0	6.7	6.6	6.5
17.6	7.5	7.3	7.2	7.1
18.9	8.1	7.8	7.7	7.6
20.3	8.7	8.4	8.2	8.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
8.3*	3.6	3.6	3.6	3.5
9.7	4.2	4.2	4.2	4.1
11.0	4.8	4.8	4.7	4.7
12.3	5.4	5.4	5.3	5.3
13.5	5.9	5.9	5.9	5.8
13.6**	6.0	6.0	5.9	5.8
15.0	6.6	6.6	6.5	6.4
16.3	7.1	7.1	7.1	7.0
17.6	7.7	7.7	7.7	7.6
18.9	8.3	8.3	8.3	8.1
20.3	8.9	8.9	8.9	8.7

* Minimum operating weight

** Maximum takeoff weight

T-39A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
10.0*	4.2	4.2	4.2	4.2
12.0	5.1	5.0	5.0	5.1
14.0	5.9	5.9	5.9	6.0
16.0	6.7	6.7	6.7	6.8
18.0	7.6	7.5	7.6	7.7
18.7**	7.9	7.8	7.9	7.9
20.0	8.4	8.4	8.4	8.5
22.0	9.3	9.2	9.3	9.4
24.0	10.1	10.1	10.1	10.2
26.0	11.0	10.9	10.9	11.1
28.1	11.8	11.7	11.8	11.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
10.0*	4.1	4.1	4.2	4.2
12.0	4.9	5.0	5.0	5.0
14.0	5.8	5.8	5.9	5.8
16.0	6.6	6.7	6.7	6.7
18.0	7.4	7.5	7.6	7.5
18.7**	7.7	7.8	7.8	7.8
20.0	8.3	8.4	8.4	8.4
22.0	9.1	9.2	9.2	9.2
24.0	9.9	10.1	10.1	10.0
26.0	10.8	10.9	10.9	10.9
28.1	11.6	11.7	11.8	11.7

* Minimum operating weight

** Maximum takeoff weight

T-43A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
60.5*	12.7	12.8	13.8	15.8
72.9	15.7	15.8	17.4	20.0
85.4	18.8	19.0	21.0	24.2
97.8	21.8	22.2	24.8	28.6
110.3	25.0	25.5	28.9	32.9
115.0**	26.2	26.8	30.4	34.5
122.7	28.3	29.1	32.9	37.2
135.2	31.8	32.7	37.1	41.5
147.6	35.2	36.8	41.4	45.8
160.1	38.7	40.6	45.8	50.1
172.5	42.2	44.5	50.2	54.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
60.5*	13.4	14.5	15.4	16.1
72.9	16.7	18.0	19.1	19.9
85.4	20.1	21.7	23.0	23.9
97.8	23.6	25.5	27.0	27.9
110.3	27.2	29.3	31.0	32.1
115.0**	28.6	30.8	32.6	33.7
122.7	31.0	33.3	35.2	36.3
135.2	34.8	37.4	39.4	40.6
147.6	38.7	41.5	43.6	44.9
160.1	42.7	45.7	48.0	49.3
172.5	46.7	50.0	52.4	53.8

* Minimum operating weight

** Maximum takeoff weight

T-44A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.3*	1.3	1.7	2.2	2.4
7.2	1.5	1.9	2.5	2.8
8.1	1.7	2.2	2.8	3.1
9.0	1.9	2.4	3.1	3.4
9.6	2.0	2.6	3.3	3.7
9.9**	2.0	2.7	3.4	3.8
10.8	2.2	2.9	3.7	4.1
11.7	2.4	3.2	4.0	4.5
12.6	2.6	3.4	4.3	4.8
13.5	2.8	3.6	4.6	5.2
14.4	3.0	3.9	4.9	5.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
6.3*	1.8	1.9	1.9	2.0
7.2	2.0	2.1	2.2	2.3
8.1	2.3	2.4	2.5	2.6
9.0	2.5	2.6	2.8	2.8
9.6	2.7	2.8	2.9	3.0
9.9**	2.7	2.9	3.0	3.1
10.8	3.0	3.2	3.3	3.4
11.7	3.2	3.4	3.6	3.7
12.6	3.5	3.7	3.9	4.0
13.5	3.7	3.9	4.1	4.2
14.4	3.9	4.2	4.4	4.5

* Minimum operating weight

** Maximum takeoff weight

T-45A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
9.4*	3.5	3.8	3.8	3.9
10.8	4.0	4.3	4.4	4.5
12.1	4.5	4.9	4.9	5.1
13.5	5.0	5.4	5.5	5.7
14.5	5.4	5.8	5.9	6.1
14.9**	5.5	6.0	6.0	6.2
16.3	6.0	6.5	6.6	6.8
17.6	6.6	7.1	7.1	7.4
19.0	7.1	7.6	7.7	7.9
20.4	7.6	8.2	8.3	8.5
21.8	8.1	8.6	8.8	9.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
9.4*	3.5	3.6	3.6	3.7
10.8	4.0	4.1	4.2	4.2
12.1	4.6	4.7	4.7	4.7
13.5	5.1	5.2	5.3	5.3
14.5	5.4	5.6	5.6	5.7
14.9**	5.6	5.7	5.8	5.8
16.3	6.1	6.2	6.3	6.3
17.6	6.6	6.8	6.9	6.9
19.0	7.1	7.3	7.4	7.4
20.4	7.7	7.8	7.9	7.9
21.8	8.2	8.4	8.5	8.5

* Minimum operating weight

** Maximum takeoff weight

Tornado GR MK1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
30.3*	14.3	13.9	13.5	13.2
37.4	17.7	17.2	16.7	16.4
44.5	21.1	20.4	19.8	19.5
51.7	24.5	23.7	23.0	22.6
58.8	27.9	27.0	26.2	25.7
63.0**	29.8	28.9	28.0	27.5
65.9	31.2	30.2	29.4	28.8
73.1	34.6	33.5	32.5	31.9
80.2	38.0	36.8	35.7	35.1
87.3	41.4	40.0	38.9	38.2
94.4	44.7	43.3	42.1	41.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
30.3*	15.2	15.2	15.0	14.7
37.4	18.9	18.8	18.6	18.2
44.5	22.6	22.5	22.1	21.7
51.7	26.3	26.1	25.7	25.2
58.8	30.0	29.8	29.3	28.7
63.0**	32.1	31.9	31.5	30.7
65.9	33.7	33.5	33.0	32.2
73.1	37.4	37.1	36.6	35.7
80.2	41.1	40.8	40.2	39.2
87.3	44.8	44.5	43.8	42.8
94.4	48.5	48.2	47.4	46.3

* Minimum operating weight

** Maximum takeoff weight

**Tornado GR MK2-F MK3
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
31.4*	14.7	14.3	13.9	13.7
37.6	17.7	17.1	16.7	16.4
43.9	20.6	20.0	19.5	19.2
50.2	23.6	22.9	22.3	21.9
56.5	26.5	25.7	25.1	24.7
58.6**	27.5	26.7	26.0	25.6
62.8	29.5	28.6	27.9	27.4
69.0	32.5	31.5	30.7	30.2
75.3	35.4	34.3	33.5	32.9
81.6	38.4	37.2	36.3	35.7
87.9	41.3	40.0	39.1	38.4

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
31.4*	15.5	15.4	15.2	15.0
37.6	18.6	18.6	18.3	18.0
43.9	21.8	21.7	21.5	21.0
50.2	25.0	24.9	24.6	24.1
56.5	28.2	28.0	27.7	27.1
58.6**	29.2	29.1	28.7	28.1
62.8	31.3	31.2	30.8	30.1
69.0	34.5	34.4	33.9	33.2
75.3	37.7	37.6	37.0	36.2
81.6	40.9	40.7	40.2	39.3
87.9	44.1	43.9	43.3	42.3

* Minimum operating weight

** Maximum takeoff weight

Tristar K MK1-KC MK1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
241.3*	23.3	24.1	26.8	32.9
304.7	30.5	32.3	36.0	46.1
368.2	38.1	40.9	45.9	61.0
431.6	45.9	50.0	56.9	77.1
495.1	55.3	59.7	69.9	94.2
541.5**	61.9	67.1	79.8	106.6
558.5	64.2	70.0	83.6	111.2
622.0	74.0	80.9	98.3	128.6
685.4	84.0	92.2	113.9	145.9
748.8	94.4	106.2	130.1	163.1
812.3	105.2	119.8	146.9	180.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
241.3*	22.8	24.6	27.8	31.7
304.7	29.3	32.6	37.6	43.2
368.2	36.2	41.3	48.4	55.7
431.6	43.7	50.7	60.0	69.0
495.1	51.7	61.0	72.5	83.1
541.5**	58.0	68.9	82.1	93.9
558.5	60.4	71.9	85.7	97.9
622.0	69.4	83.6	99.6	113.2
685.4	79.0	96.0	114.1	129.1
748.8	89.3	108.8	129.2	145.5
812.3	100.2	122.4	144.9	162.4

* Minimum operating weight

** Maximum takeoff weight

Tristart L1011-1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
240*	22.8	23.5	26.3	32.4
285.3	27.9	28.8	32.8	41.6
330.7	33	34.9	39.5	51.7
376	38.3	41	46.8	62.6
421.3	44	47.7	54.6	74.1
432**	45.4	49.3	57.2	76.9
466.7	50.4	54.4	63.8	86
512	55.9	61.5	72.9	98.2
557.3	63.1	69.1	82.7	110.4
602.7	69.8	76.8	93.2	122.5
648	76.5	84.6	104.1	135

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
240*	21.5	23.3	26.5	30.4
285.3	25.8	28.6	33.1	38.3
330.7	30.3	34.4	40.2	46.7
376	35.1	40.4	47.9	55.6
421.3	40.1	46.8	55.9	64.9
432**	41.3	48.4	57.9	67.1
466.7	45.3	53.7	64.4	74.6
512	50.9	60.9	73.3	84.6
557.3	56.8	68.5	82.5	95
602.7	62.9	76.4	92.2	105.7
648	69.1	84.8	102.1	116.7

* Minimum operating weight

** Maximum takeoff weight

Tristar L1011-100/200
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
244.7*	23.3	24	26.9	33.3
295.5	29	30.1	34.3	43.9
346.3	34.8	37	42	55.4
397.1	41	44.1	50.5	67.9
447.9	47.4	51.6	60.2	81.1
468**	50.6	54.6	64.1	86.4
498.8	54.1	59.4	70.2	94.7
549.6	61.9	67.7	81	108.3
600.4	69.4	76.4	92.6	121.9
651.2	77	85.1	104.8	135.9
702	84.8	96	117.3	149.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
244.7*	21.9	23.9	27.1	31.2
295.5	26.8	29.9	34.6	40.1
346.3	32	36.4	42.8	49.7
397.1	37.4	43.3	51.6	59.8
447.9	43.1	50.8	60.9	70.5
468**	45.5	53.9	64.7	74.9
498.8	49.2	58.7	70.7	81.7
549.6	55.7	67.2	80.9	93.2
600.4	62.6	76	91.7	105.2
651.2	69.6	85.4	102.8	117.5
702	77.1	95	114.3	130.1

* Minimum operating weight

** Maximum takeoff weight

Typhoon (Eurofighter)
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
36.6*	17.4	16.8	16.3	16.0
41.2	19.6	18.9	18.3	18.0
45.7	21.8	21.0	20.4	19.9
50.3	24.0	23.1	22.4	21.9
51.8	24.7	23.8	23.1	22.6
54.9**	26.1	25.3	24.4	23.9
59.4	28.3	27.4	26.5	25.9
64.0	30.5	29.5	28.5	27.9
68.6	32.7	31.6	30.5	29.9
73.1	34.8	33.7	32.6	31.9
77.7	37.0	35.8	34.6	33.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
36.6*	18.8	18.7	18.4	18.0
41.2	21.2	21.1	20.7	20.3
45.7	23.6	23.4	23.1	22.5
50.3	26.0	25.8	25.4	24.8
51.8	26.8	26.6	26.2	25.5
54.9**	28.4	28.2	27.8	27.1
59.4	30.9	30.6	30.1	29.4
64.0	33.3	33.0	32.5	31.7
68.6	35.7	35.4	34.8	33.9
73.1	38.1	37.8	37.2	36.2
77.7	40.5	40.2	39.5	38.5

* Minimum operating weight

** Maximum takeoff weight

U-2S
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
20.0*	10.5	11.1	12.0	12.7
24.4	13.5	14.2	15.2	15.8
28.9	16.6	17.6	18.4	18.9
33.3	19.8	20.9	21.4	22.1
37.8	23.3	24.3	24.6	25.2
40.0**	25.1	26.1	26.3	26.8
42.2	26.8	27.8	27.9	28.4
46.7	30.4	31.2	31.1	31.5
51.1	33.9	34.2	34.3	34.7
55.6	37.4	37.6	37.6	37.8
60.0	41.0	41.0	40.8	40.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
20.0*	12.9	13.4	13.8	13.9
24.4	16.4	17.0	17.3	17.5
28.9	20.0	20.7	21.0	21.1
33.3	23.7	24.4	24.8	24.9
37.8	27.6	28.3	28.7	28.7
40.0**	29.5	30.3	30.6	30.6
42.2	31.5	32.2	32.6	32.5
46.7	35.5	36.3	36.6	36.5
51.1	39.5	40.4	40.7	40.5
55.6	43.7	44.5	44.8	44.5
60.0	47.9	48.8	49.0	48.6

* Minimum operating weight

** Maximum takeoff weight

U-27A (C-208) Cessna Caravan
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.6*	1.3	1.5	1.7	1.7
5.5	1.5	1.8	2.0	2.1
6.5	1.8	2.1	2.4	2.5
7.4	2.1	2.4	2.7	2.8
8.4	2.3	2.7	3.1	3.2
8.8**	2.4	2.9	3.2	3.4
9.3	2.6	3.1	3.4	3.6
10.3	2.8	3.4	3.8	3.9
11.2	3.1	3.7	4.1	4.3
12.2	3.4	4.0	4.5	4.7
13.1	3.6	4.3	4.8	5.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.6*	1.4	1.5	1.5	1.5
5.5	1.7	1.8	1.8	1.8
6.5	2.0	2.1	2.1	2.2
7.4	2.3	2.4	2.5	2.5
8.4	2.6	2.7	2.8	2.8
8.8**	2.7	2.8	2.9	2.9
9.3	2.9	3.0	3.1	3.1
10.3	3.2	3.3	3.4	3.4
11.2	3.5	3.6	3.7	3.8
12.2	3.8	3.9	4.0	4.1
13.1	4.1	4.2	4.3	4.4

* Minimum operating weight

** Maximum takeoff weight

U-28A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.9*	1.4	1.8	2.1	2.2
7.0	1.7	2.1	2.5	2.6
8.1	1.9	2.4	2.9	3.0
9.1	2.2	2.7	3.2	3.5
10.2	2.4	3.1	3.6	3.9
10.5**	2.5	3.1	3.7	4.0
11.3	2.7	3.4	4.0	4.3
12.4	2.9	3.7	4.4	4.7
13.5	3.2	4.0	4.8	5.1
14.6	3.5	4.4	5.2	5.5
15.7	3.7	4.7	5.6	5.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
5.9*	1.7	1.8	1.9	1.9
7.0	2.0	2.1	2.2	2.2
8.1	2.4	2.5	2.5	2.6
9.1	2.7	2.8	2.9	2.9
10.2	3.0	3.1	3.2	3.3
10.5**	3.0	3.2	3.3	3.4
11.3	3.3	3.5	3.6	3.7
12.4	3.6	3.8	3.9	4.0
13.5	3.9	4.1	4.3	4.3
14.6	4.2	4.4	4.6	4.7
15.7	4.5	4.8	4.9	5.0

* Minimum operating weight

** Maximum takeoff weight

**UAV Warrior ERMP
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.2*	0.5	0.7	0.9	1.0
3.4	0.5	0.7	0.9	1.1
3.6	0.5	0.7	1.0	1.1
3.7	0.6	0.8	1.0	1.2
3.9	0.6	0.8	1.1	1.2
4.2**	0.6	0.9	1.1	1.3
4.4	0.7	0.9	1.2	1.4
4.7	0.7	1.0	1.3	1.5
4.9	0.7	1.0	1.3	1.6
5.2	0.8	1.1	1.4	1.6
5.4	0.8	1.1	1.5	1.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
3.2*	0.7	0.8	0.8	0.8
3.4	0.8	0.8	0.9	0.9
3.6	0.8	0.9	0.9	0.9
3.7	0.8	0.9	0.9	1.0
3.9	0.9	0.9	1.0	1.0
4.2**	0.9	1.0	1.0	1.1
4.4	1.0	1.1	1.1	1.1
4.7	1.0	1.1	1.2	1.2
4.9	1.1	1.2	1.2	1.3
5.2	1.2	1.2	1.3	1.3
5.4	1.2	1.3	1.3	1.4

* Minimum operating weight

** Maximum takeoff weight

UH-1
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
4.9*	0.9	1.0	1.0	1.1
6.3	1.2	1.3	1.3	1.4
7.7	1.4	1.6	1.6	1.7
9.0	1.7	1.9	1.9	2.0
10.4	2.0	2.2	2.2	2.3
11.5**	2.2	2.4	2.4	2.5
11.8	2.2	2.4	2.5	2.6
13.1	2.5	2.7	2.8	2.9
14.5	2.7	3.0	3.1	3.2
15.9	3.0	3.3	3.4	3.5
17.3	3.3	3.6	3.7	3.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
4.9*	0.9	1.0	1.0	1.0
6.3	1.2	1.2	1.3	1.3
7.7	1.5	1.5	1.5	1.5
9.0	1.7	1.8	1.8	1.8
10.4	2.0	2.1	2.1	2.1
11.5**	2.2	2.3	2.3	2.3
11.8	2.3	2.3	2.4	2.4
13.1	2.5	2.6	2.6	2.7
14.5	2.8	2.9	2.9	2.9
15.9	3.1	3.1	3.2	3.2
17.3	3.3	3.4	3.5	3.5

* Minimum operating weight

** Maximum takeoff weight

**UH-1H/V Huey
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
5.2*	1.0	1.1	1.1	1.1
6.2	1.2	1.3	1.3	1.4
7.2	1.4	1.5	1.5	1.6
8.2	1.6	1.7	1.7	1.8
9.2	1.7	1.9	2.0	2.0
9.5**	1.8	2.0	2.0	2.1
10.2	1.9	2.1	2.2	2.2
11.2	2.1	2.3	2.4	2.5
12.2	2.3	2.5	2.6	2.7
13.3	2.5	2.7	2.8	2.9
14.3	2.7	3.0	3.0	3.1

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
5.2*	1.0	1.0	1.0	1.0
6.2	1.2	1.2	1.2	1.2
7.2	1.4	1.4	1.4	1.5
8.2	1.6	1.6	1.6	1.7
9.2	1.8	1.8	1.8	1.9
9.5**	1.8	1.9	1.9	1.9
10.2	2.0	2.0	2.1	2.1
11.2	2.2	2.2	2.3	2.3
12.2	2.4	2.4	2.5	2.5
13.3	2.6	2.6	2.7	2.7
14.3	2.8	2.8	2.9	2.9

* Minimum operating weight

** Maximum takeoff weight

**UH-1N Twin Huey
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
6.0*	1.1	1.2	1.3	1.3
7.1	1.3	1.5	1.5	1.6
8.2	1.5	1.7	1.7	1.8
9.3	1.7	1.9	2.0	2.0
10.3	2.0	2.1	2.2	2.3
10.5**	2.0	2.2	2.2	2.3
11.4	2.2	2.4	2.4	2.5
12.5	2.4	2.6	2.6	2.7
13.6	2.6	2.8	2.9	3.0
14.7	2.8	3.0	3.1	3.2
15.8	3.0	3.3	3.3	3.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
6.0*	1.2	1.2	1.2	1.2
7.1	1.4	1.4	1.4	1.4
8.2	1.6	1.6	1.6	1.6
9.3	1.8	1.8	1.9	1.9
10.3	2.0	2.0	2.1	2.1
10.5**	2.0	2.1	2.1	2.1
11.4	2.2	2.3	2.3	2.3
12.5	2.4	2.5	2.5	2.5
13.6	2.6	2.7	2.7	2.7
14.7	2.8	2.9	2.9	3.0
15.8	3.0	3.1	3.2	3.2

* Minimum operating weight

** Maximum takeoff weight

UH-46
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
13.3*	2.4	2.5	2.8	3.1
15.9	2.9	3.0	3.4	3.9
18.5	3.5	3.6	4.1	4.6
21.0	4.2	4.3	4.8	5.3
23.6	4.7	5.0	5.6	6.0
24.3**	4.9	5.2	5.8	6.2
26.2	5.3	5.7	6.3	6.7
28.8	6.0	6.4	7.1	7.5
31.3	6.8	7.1	7.8	8.2
33.9	7.5	7.9	8.5	8.9
36.5	8.2	8.6	9.3	9.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
13.3*	2.8	2.9	3.1	3.2
15.9	3.4	3.6	3.8	3.9
18.5	4.1	4.3	4.5	4.6
21.0	4.8	5.0	5.2	5.4
23.6	5.5	5.8	6.0	6.1
24.3**	5.7	6.0	6.2	6.3
26.2	6.2	6.5	6.8	6.9
28.8	6.9	7.3	7.5	7.7
31.3	7.7	8.1	8.3	8.5
33.9	8.5	8.8	9.1	9.3
36.5	9.2	9.6	9.9	10.1

* Minimum operating weight

** Maximum takeoff weight

UH-60
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
12.0*	4.0	4.2	4.3	4.4
13.4	4.4	4.7	4.8	4.9
14.8	4.9	5.2	5.2	5.4
16.2	5.4	5.7	5.7	5.9
16.3	5.4	5.7	5.8	6.0
17.5**	5.8	6.2	6.2	6.4
18.9	6.3	6.6	6.7	6.9
20.3	6.7	7.1	7.2	7.4
21.7	7.2	7.6	7.7	7.9
23.1	7.7	8.1	8.2	8.4
24.5	8.1	8.6	8.7	9.0

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
12.0*	4.0	4.1	4.1	4.1
13.4	4.4	4.5	4.6	4.6
14.8	4.9	5.0	5.1	5.1
16.2	5.4	5.5	5.5	5.5
16.3	5.4	5.5	5.6	5.6
17.5**	5.8	5.9	6.0	6.0
18.9	6.3	6.4	6.5	6.5
20.3	6.7	6.9	7.0	7.0
21.7	7.2	7.4	7.4	7.4
23.1	7.7	7.8	7.9	7.9
24.5	8.1	8.3	8.4	8.4

* Minimum operating weight

** Maximum takeoff weight

UH-72 Lakota
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
3.9*	1.4	1.4	1.4	1.4
4.8	1.8	1.7	1.7	1.7
5.7	2.1	2.0	2.0	2.0
6.6	2.4	2.4	2.4	2.4
7.4	2.7	2.7	2.7	2.7
7.9**	2.9	2.8	2.9	2.8
8.3	3.1	3.0	3.0	3.0
9.2	3.4	3.3	3.3	3.3
10.1	3.7	3.6	3.6	3.6
11.0	4.0	4.0	4.0	4.0
11.9	4.4	4.3	4.3	4.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
3.9*	1.4	1.4	1.4	1.4
4.8	1.7	1.7	1.7	1.7
5.7	2.0	2.0	2.0	2.0
6.6	2.3	2.4	2.4	2.4
7.4	2.7	2.7	2.7	2.7
7.9**	2.8	2.9	2.9	2.8
8.3	3.0	3.0	3.0	3.0
9.2	3.3	3.3	3.3	3.3
10.1	3.6	3.7	3.7	3.6
11.0	3.9	4.0	4.0	4.0
11.9	4.3	4.3	4.3	4.3

* Minimum operating weight

** Maximum takeoff weight

V-22
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
46.0*	7.9	8.6	9.5	11.3
51.0	8.9	9.6	11.0	12.7
55.9	9.9	10.8	12.3	14.2
60.5	10.9	11.9	13.6	15.5
60.9	11.0	12.0	13.7	15.6
65.9**	12.1	13.2	15.2	17.0
70.9	13.4	14.4	16.7	18.5
75.8	14.5	15.7	18.1	19.9
80.8	15.7	17.0	19.6	21.4
85.8	17.0	18.4	21.0	22.8
90.8	18.2	20.1	22.5	24.3

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
46.0*	8.9	9.7	10.3	10.7
51.0	10.1	10.9	11.6	12.1
55.9	11.3	12.2	13.0	13.5
60.5	12.4	13.4	14.2	14.7
60.9	12.5	13.5	14.3	14.8
65.9**	13.8	14.9	15.7	16.3
70.9	15.0	16.2	17.1	17.7
75.8	16.4	17.6	18.5	19.1
80.8	17.7	19.0	20.0	20.6
85.8	19.0	20.4	21.5	22.1
90.8	20.4	21.8	22.9	23.6

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK2
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
149.8*	14.1	14.8	17.0	21.7
185.8	18.5	19.6	22.5	29.4
221.7	23.3	24.5	28.7	37.6
257.7	27.8	29.9	35.7	46.5
293.7	33.2	35.6	43.4	55.6
315.7**	36.5	39.1	48.2	61.5
329.7	38.5	41.3	51.2	65.3
365.6	43.8	48.1	59.4	75.2
401.6	49.4	55.1	67.8	85.0
437.6	55.4	63.6	76.4	94.8
473.6	62.0	71.7	85.4	104.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
149.8*	12.9	14.5	17.0	19.8
185.8	16.4	19.0	22.7	26.6
221.7	20.2	23.9	29.0	33.9
257.7	24.3	29.4	35.8	41.6
293.7	28.8	35.4	43.0	49.8
315.7**	31.7	39.1	47.6	55.0
329.7	33.6	41.6	50.6	58.3
365.6	38.8	48.4	58.8	67.2
401.6	44.3	55.6	67.2	76.5
437.6	50.3	63.1	75.9	85.9
473.6	56.6	71.0	85.1	95.8

* Minimum operating weight

** Maximum takeoff weight

VC10 K MK3
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
156.4*	15.4	15.8	18.0	23.1
195.1	20.0	21.0	24.2	31.6
233.9	24.9	26.5	31.0	40.6
272.6	30.0	32.2	39.0	50.3
311.4	35.4	39.0	47.3	60.4
336.7**	39.0	43.2	52.9	67.1
350.1	41.5	45.5	55.9	70.7
388.8	47.7	53.1	64.9	81.4
427.6	54.0	61.9	74.1	91.9
466.3	60.9	70.4	83.5	102.8
505.0	68.1	79.2	93.5	113.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
156.4*	14.0	15.7	18.4	21.4
195.1	17.9	20.7	24.8	28.9
233.9	22.2	26.4	31.8	36.9
272.6	27.0	32.6	39.4	45.5
311.4	32.1	39.3	47.5	54.6
336.7**	35.7	43.9	53.0	60.7
350.1	37.7	46.5	56.1	64.1
388.8	43.6	54.2	65.1	73.9
427.6	50.1	62.3	74.5	84.2
466.3	56.9	70.8	84.3	94.7
505.0	64.2	79.7	94.4	105.6

* Minimum operating weight

** Maximum takeoff weight

**VC-25A Air Force One
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
381.0*	18.5	19.1	21.6	27.1
477.5	24.1	25.6	28.8	37.9
574.0	29.9	32.3	36.9	50.0
670.5	36.2	39.5	46.3	62.7
767.0	42.8	47.3	56.3	75.6
833.0**	48.0	52.9	63.9	84.6
863.5	50.3	55.5	67.5	88.8
960.0	57.9	64.1	79.3	101.9
1056.5	65.7	74.4	91.7	115.0
1153.0	74.0	84.5	104.7	128.3
1249.5	82.8	95.3	117.9	141.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
381.0*	17.7	19.7	22.8	26.2
477.5	22.8	26.1	30.8	35.5
574.0	28.4	33.3	39.6	45.5
670.5	34.6	41.1	49.0	56.3
767.0	41.1	49.5	59.1	67.5
833.0**	45.9	55.6	66.4	75.4
863.5	48.2	58.5	69.8	79.2
960.0	55.8	68.1	80.9	91.3
1056.5	63.9	78.1	92.6	103.9
1153.0	72.5	88.7	104.6	117.0
1249.5	81.5	99.7	117.1	130.3

* Minimum operating weight

** Maximum takeoff weight

VC-180A
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
7.8*	1.2	1.5	1.6	1.9
9	1.5	1.7	1.9	2.3
10.2	1.7	2	2.2	2.7
11.5	1.9	2.3	2.6	3.1
12.5	2.2	2.6	2.9	3.4
12.7**	2.2	2.6	2.9	3.5
13.9	2.5	2.9	3.3	3.9
15.1	2.7	3.3	3.6	4.3
16.3	3	3.5	4	4.7
17.5	3.3	4	4.4	5.1
18.8	3.6	4.3	4.8	5.5

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
7.8*	1.5	1.7	1.8	1.9
9	1.8	2	2.1	2.2
10.2	2.1	2.3	2.5	2.6
11.5	2.4	2.6	2.8	3
12.5	2.7	2.9	3.1	3.3
12.7**	2.7	3	3.2	3.3
13.9	3.1	3.3	3.5	3.7
15.1	3.4	3.7	3.9	4.1
16.3	3.7	4	4.3	4.5
17.5	4.1	4.4	4.7	4.8
18.8	4.4	4.8	5	5.2

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from C-12C/D Huron which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

**WC-130H Hercules
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
83.0*	14.1	15.7	16.3	18.2
102.9	17.9	20.0	20.6	23.2
122.9	21.9	24.3	25.2	28.4
142.8	25.8	28.5	29.8	34.3
162.8	29.9	32.8	34.5	40.0
175.0**	32.4	35.5	37.5	43.8
182.7	34.0	37.3	39.3	46.2
202.7	38.1	41.8	44.2	52.6
222.6	42.3	46.5	50.2	59.2
242.6	46.7	51.4	55.9	66.0
262.5	51.1	56.2	61.5	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
83.0*	15.6	16.7	17.7	18.7
102.9	19.7	21.1	22.6	23.8
122.9	23.8	25.7	27.6	29.2
142.8	28.1	30.5	32.8	34.7
162.8	32.5	35.4	38.2	40.3
175.0**	35.2	38.5	41.5	43.8
182.7	37.0	40.4	43.6	46.0
202.7	41.6	45.6	49.2	51.9
222.6	46.4	50.9	54.9	57.9
242.6	51.2	56.3	60.8	64.0
262.5	56.1	61.8	66.7	70.2

* Minimum operating weight

** Maximum takeoff weight

WC-130J Hercules
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
86.6*	15.1	16.7	17.1	19.1
106.1	18.7	20.7	21.4	24.0
125.7	22.7	24.8	25.9	29.2
145.2	26.5	29.0	30.3	35.0
164.8	30.5	33.3	35.0	40.7
175.0**	32.6	35.6	37.4	43.9
184.3	34.6	37.7	39.7	46.8
203.9	38.7	42.2	45.2	53.0
223.4	42.8	46.8	50.8	59.5
243.0	47.1	51.5	56.2	66.2
262.5	51.4	56.2	61.4	72.9

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
86.6*	16.5	17.6	18.7	19.7
106.1	20.5	22.0	23.5	24.8
125.7	24.6	26.5	28.5	30.1
145.2	28.8	31.3	33.6	35.5
164.8	33.2	36.1	38.9	41.0
175.0**	35.5	38.7	41.7	44.0
184.3	37.6	41.1	44.3	46.7
203.9	42.2	46.2	49.8	52.5
223.4	46.9	51.4	55.4	58.4
243.0	51.7	56.7	61.1	64.4
262.5	56.5	62.2	67.0	70.4

* Minimum operating weight

** Maximum takeoff weight

WC-135B
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
117.0*	11.2	11.2	12.3	15.1
154.3	15.1	15.6	17.7	22.4
191.5	19.6	20.5	23.4	30.7
228.8	24.2	25.6	29.8	39.4
266.1	29.0	31.2	37.3	48.8
301.6**	33.7	37.0	44.7	58.0
303.3	33.9	37.3	45.0	58.5
340.6	40.1	43.8	53.4	68.6
377.9	45.7	50.6	62.0	78.9
415.1	51.7	57.9	71.0	89.3
452.4	57.9	66.6	80.2	99.7

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
117.0*	10.4	11.2	12.7	14.6
154.3	13.9	15.5	18.1	21.1
191.5	17.7	20.4	24.2	28.2
228.8	21.9	25.8	30.9	35.9
266.1	26.4	31.6	38.2	44.1
301.6**	30.9	37.7	45.5	52.4
303.3	31.2	38.0	45.8	52.8
340.6	36.4	44.7	54.0	61.8
377.9	42.0	52.0	62.5	71.2
415.1	48.0	59.7	71.4	80.9
452.4	54.5	67.6	80.7	90.9

* Minimum operating weight

** Maximum takeoff weight

WC-135C Constant Phoenix
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
120.0*	11.7	11.8	13.1	15.9
156.8	15.6	16.2	18.4	23.3
193.5	20.1	21.1	24.2	31.6
230.3	24.6	26.5	30.6	40.4
267.0	29.7	32.0	38.1	49.6
300.5**	34.3	37.5	45.1	58.5
303.8	34.7	38.1	45.8	59.3
340.5	40.6	44.8	54.2	69.6
377.3	46.4	51.6	62.7	79.8
414.0	52.4	58.8	71.8	90.2
450.8	58.9	67.5	81.0	100.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
120.0*	11.0	11.9	13.5	15.5
156.8	14.7	16.4	19.1	22.1
193.5	18.6	21.4	25.3	29.4
230.3	22.9	26.9	32.1	37.2
267.0	27.5	32.9	39.5	45.4
300.5**	32.0	38.8	46.5	53.4
303.8	32.5	39.4	47.3	54.2
340.5	37.9	46.3	55.5	63.2
377.3	43.7	53.7	64.1	72.7
414.0	49.8	61.4	73.1	82.4
450.8	56.4	69.5	82.4	92.5

* Minimum operating weight

** Maximum takeoff weight

**WC-135W Constant Phoenix
ACN, English Units**

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
120.0*	11.7	11.8	13.1	15.9
156.8	15.6	16.2	18.4	23.3
193.5	20.1	21.1	24.2	31.6
230.3	24.6	26.5	30.6	40.4
267.0	29.7	32.0	38.1	49.6
300.5**	34.3	37.5	45.1	58.5
303.8	34.7	38.1	45.8	59.3
340.5	40.6	44.8	54.2	69.6
377.3	46.4	51.6	62.7	79.8
414.0	52.4	58.8	71.8	90.2
450.8	58.9	67.5	81.0	100.6

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
120.0*	11.0	11.9	13.5	15.5
156.8	14.7	16.4	19.1	22.1
193.5	18.6	21.4	25.3	29.4
230.3	22.9	26.9	32.1	37.2
267.0	27.5	32.9	39.5	45.4
300.5**	32.0	38.8	46.5	53.4
303.8	32.5	39.4	47.3	54.2
340.5	37.9	46.3	55.5	63.2
377.3	43.7	53.7	64.1	72.7
414.0	49.8	61.4	73.1	82.4
450.8	56.4	69.5	82.4	92.5

* Minimum operating weight

** Maximum takeoff weight

YAK-40
ACN, English Units

Flexible Pavements

Load (kips)	ACN Value for Flexible Subgrade Category (CBR, %)			
	A (CBR $\geq$ 13)	B (8 < CBR < 13)	C (4 < CBR $\leq$ 8)	D (CBR $\leq$ 4)
15.3*	6.8	6.6	6.4	6.3
19	8.4	8.1	7.9	7.8
22.7	10	9.7	9.4	9.3
26.3	11.6	11.3	11	10.8
30	13.2	12.9	12.5	12.3
32.3**	14.1	13.8	13.4	13.2
33.7	14.9	14.4	14	13.8
37.4	16.5	16	15.6	15.3
41	18.1	17.6	17.1	16.8
44.7	19.7	19.1	18.6	18.3
48.4	21.3	20.7	20.2	19.8

Rigid Pavements

Load (kips)	ACN Value for Rigid Subgrade Category (k, pci)			
	A (k $\geq$ 442)	B (221 < k < 442)	C (92 < k $\leq$ 221)	D (k $\leq$ 92)
15.3*	7	7	6.9	6.8
19	8.7	8.7	8.6	8.5
22.7	10.5	10.4	10.3	10.1
26.3	12.2	12.2	12	11.8
30	14	13.9	13.7	13.5
32.3**	15	15	14.8	14.5
33.7	15.7	15.6	15.5	15.2
37.4	17.4	17.4	17.2	16.8
41	19.2	19.1	18.9	18.5
44.7	20.9	20.9	20.6	20.2
48.4	22.7	22.6	22.3	21.8

* Minimum operating weight

** Maximum takeoff weight

Note: ACN estimated from RQ-4B GLOBAL HAWK 20 which is in the PCASE Library
Same landing gear configuration
Similar MTOW and ACN

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APPENDIX B BEST PRACTICES

Reserved For Future Use.

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APPENDIX C REFERENCES

INTERNATIONAL CIVILIAN AVIATION ORGANIZATION (ICAO)

Annex 14, Aerodromes

Doc. 9157-AN/901, Part 3, Aerodrome Design Manual

FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS

https://www.faa.gov/airports/resources/advisory_circulars/

AC 150/5335-5D, Standardized Method of Reporting Airport Pavement Strength - PCR.

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APPENDIX D GLOSSARY

D-1 ACRONYMS

AC	Asphalt Concrete
AEP	Allied Engineering Publication
CBR	California Bearing Ratio
DCP	Dynamic Cone Penetrometer
DOD	Department of Defense
HQUSACE	Headquarters, U.S. Army Corps of Engineers
NATO	North Atlantic Treaty Organization
NAVFAC	Naval Facilities Engineering Command
PCASE	Pavement Computer Aided Structural Engineering Software
PCC	Portland Cement Concrete
STANAG	Standardization Agreement
UFC	Unified Facilities Criteria
U.S.	United States