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## FIG. 2 ADJUSTABLE RING HANGER

### FIG. 2 NFPA ADJUSTABLE RING HANGER WITH REDUCED ROD SIZE

**Size Range** - 1/2 thru 6 inch pipe.

**Material** - Carbon Steel, Mil. Galvanized to G-90 specification.

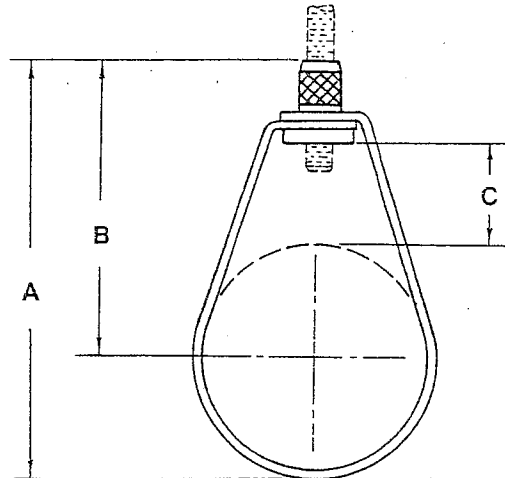
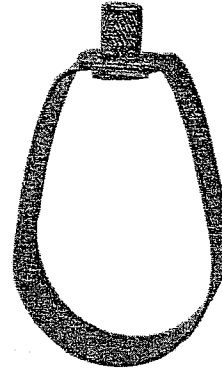
**Function** - For general piping purposes. Knurled swivel nut design permits hanger adjustment after installation. Spring tension on swivel nut holds it securely in hanger before installation. Swivel nut easily removed.

**Approvals** - Underwriters' Laboratories listed and Factory Mutual Engineering approved. Conforms to Federal Specification WW-H-171E, type 10, and Manufacturers Standardization Society SP-69, type 10.

**Maximum Temperature** - 650°F

**Finish** - Mil. Galvanized and Stainless Steel.

**Order By** - Figure number and pipe size.



PIPE SIZE	ROD SIZE	A	B	C	STOCK SIZE	MAX. REC. LOAD LBS.	APPROX. WEIGHT PER 100 FIG. 2	FIG. 2 NFPA
1/2	3/8	3-1/8	2-5/8	1-3/8	16ga x 1	400	17	17
3/4	3/8	3-1/8	2-1/2	1-1/8	16ga x 1	400	17	17
1	3/8	3-3/8	2-5/8	1-1/8	16ga x 1	400	18	18
1-1/4	3/8	3-3/4	2-7/8	1-1/8	16ga x 1	400	19	19
1-1/2	3/8	3-7/8	2-7/8	1	16ga x 1	400	21	21
2	3/8	4-1/4	3	1-1/8	16ga x 1	400	23	23
2-1/2	1/2*	5-3/4	4-1/4	1-5/8	14ga x 1-3/16	600	41	40
3	1/2*	6	4-1/8	1-1/4	14ga x 1-3/16	600	45	43
3-1/2	1/2*	7-3/8	5-1/4	2-1/8	14ga x 1-3/16	600	52	50
4	5/8	7-3/8	5	1-5/8	14ga x 1-3/16	1000	59	56
5	5/8**	9	6-1/8	2-1/4	12ga x 1-1/4	1250	97	95
6	3/4	9-3/8	6-1/2	2-3/8	12ga x 1-1/4	1250	139	135

\*3/8" nut is used when NFPA rod sizing is requested.

\*\*1/2" nut is used when NFPA rod sizing is requested.

## FIG. 25 SURGE RESTRAINER

**Size Range** – 3/4 thru 2 inch pipe.

**Material** – Carbon Steel.

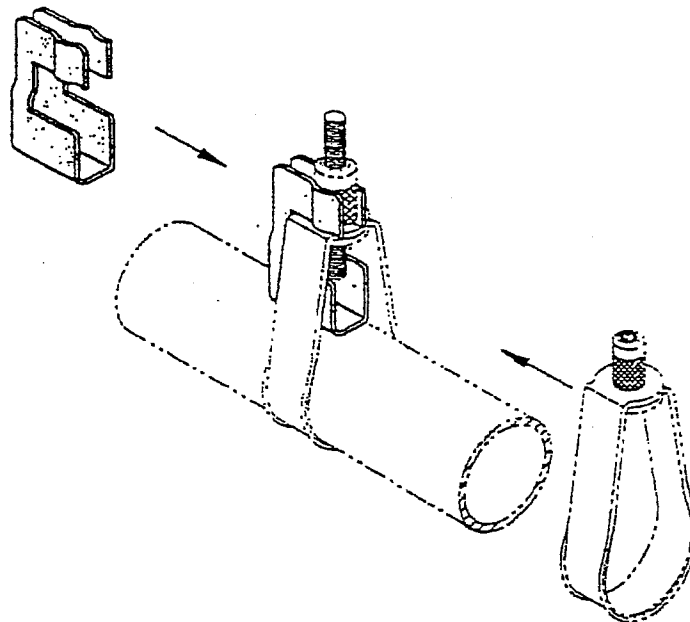
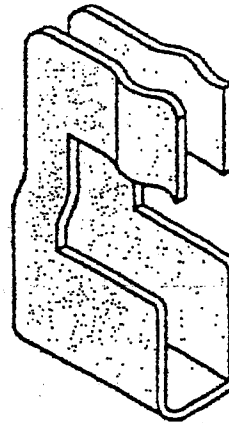
**Function** – Designed to be used in conjunction with Tolco Band Hangers to restrict the upward movement of piping as it occurs during sprinkler head activation or earthquake type activity. The surge restrainer is easily and efficiently installed by snapping into a locking position on the band hanger. This product is intended to satisfy the requirement as indicated in the National Fire Protection Association (NFPA) #13 (1991 Edition), 4-5.2.3.3 and A-4-5.2.3.3. Can be used to restrain either steel pipe or CPVC plastic pipe.

**Approvals** – Underwriters' Laboratories Listed in the US (UL) and Canada (cUL).

**Finish** – Mil Galvanized.

**Order By** – Figure number and size from 3/4 thru 2 inch.

U.S. Patent #5,344,108





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54A

## FIG. 69R RETROFIT CAPABLE BEAM CLAMP RETAINING STRAP

**Size Range** – 3/8 thru 1/2 inch; 4 thru 16 inch lengths.\*

**Material** – Carbon Steel

**Function** – To offer more secure fastening of various types of beam clamps to beams where danger of movement might be expected. NFPA #13 requires the use of retaining straps with all beam clamps installed in earthquake areas.

**Features** – Beveled locking slot\*\* is precisely formed to align with the threaded section of a hanger rod or set screw and engage the unit securely. May be used as shown in section "A-A" or inverted. Allows easy installation for new construction or retrofit applications.

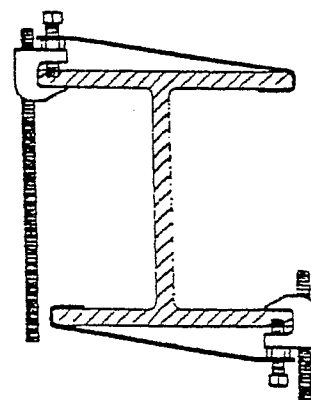
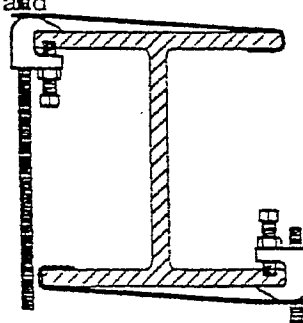
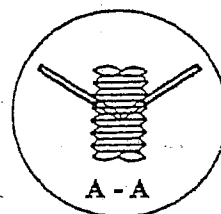
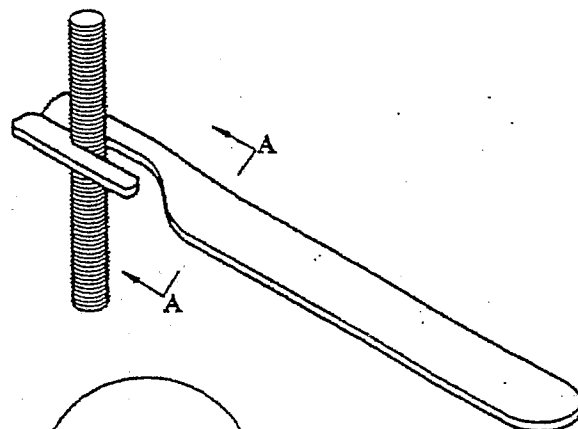
**Important Note:** Good installation practice of a retaining strap installation requires that the strap be held tightly and securely to all component parts of the assembly. Therefore a locking mechanism of some manner, such as the beveled locking slot on the Fig. 69R or a hex nut tightened against another types of retaining straps, will provide a more secure and reliable installation.

**Approvals** – Underwriters' Laboratories Listed in the U.S. (UL) and Canada (cUL). Approved for use with any listed beam clamp.

**Finish** – Mil. Galvanized.

**Order By** – Figure Number, Rod or Set Screw Size and Length.

**Note** – Minimum return on Strap: 1".



SIZE	STOCK SIZE	LENGTH	FINISH
3/8"	16ga. x 1"	Specify	Mil. Galv.
1/2"	16ga. x 1"	Specify	Mil. Galv.
3/8" - 1/2"***	12ga. x 1-1/4"	Specify	Mil. Galv.

\* Longer lengths are available, consult factory.

\*\* U.S. & International patents pending.

\*\*\* Specify Size.



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## FIG.980 UNIVERSAL SWIVEL SWAY BRACE ATTACHMENT

**Size Range** – One size fits bracing pipe 1 thru 2 inch, Tolstrut 12 ga channel, and all structural steel up to 1/4 inch thick.

**Material** – Carbon Steel.

**Function** – Multi-functional attachment to structure or braced pipe fitting.

**Features** – • Fits multiple sizes of bracing pipe, strut or structural steel.

• Mounts to any surface angle.

• Break off bolt head assures verification of proper installation.

**Application Note** - Install per NFPA #13 and/or Tolco's State of California OSHPD Approved Seismic Restraint Manual.

**Installation** – Place bracing component into jaw fully and tighten bolt until head breaks off.

**Approvals** – Underwriters Laboratories Listed per 203A (UL). Approved by State of California Office of Statewide Health, Planning and Development (OSHPD). Refer to Tolco's State of California Approved Seismic Restraint Products Manual.

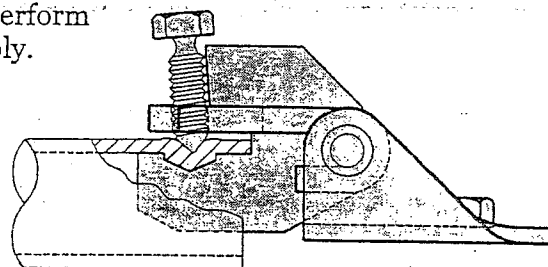
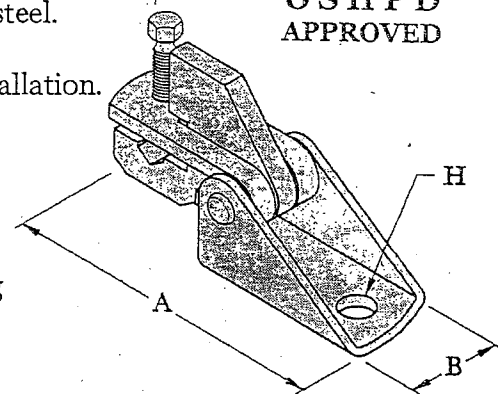
**Finish** – Plain, Electro-galvanized.

**Order By** – Figure number & Finish.

**Important Note** – The Fig. 980 is precision manufactured to perform as function as a critical component of a complete bracing assembly.

**To ensure performance, the U.L. Listing requires that the Fig. 980 must be used only with other Tolco bracing products.**

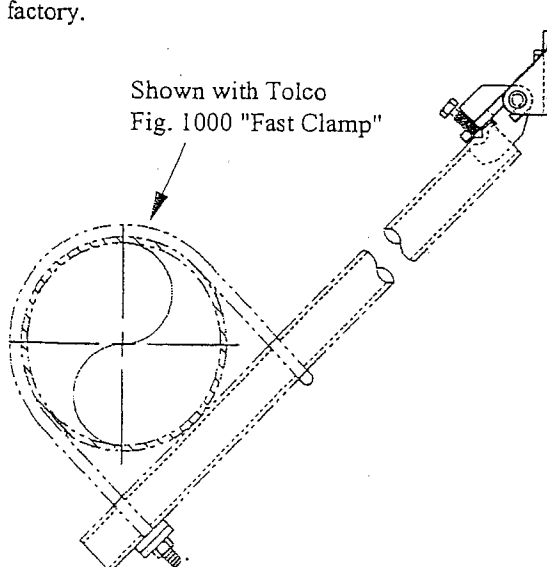
**NATIONAL AND INTERNATIONAL PATENT APPLICATIONS IN PROCESS.**



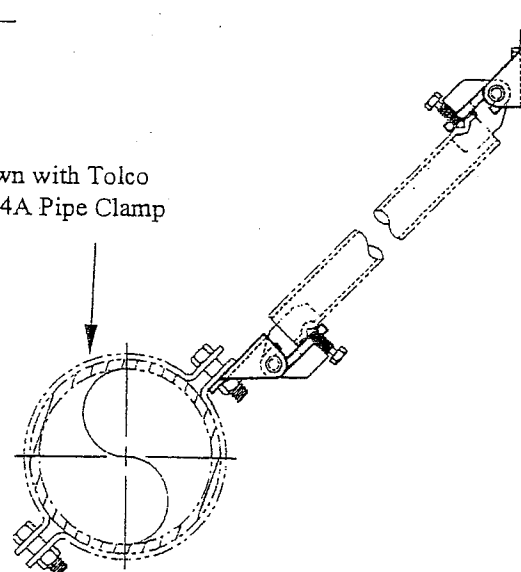
A	B	H*	Max. Horizontal Design Load LBS.	APPROX. WT./100
5-1/4	1-7/8	17/32	2765	132

\*Available with hole sizes to accommodate up to 3/4 inch fastener.

Consult factory.



Shown with Tolco  
Fig. 4A Pipe Clamp



## FIG. 1000 "FAST CLAMP" SWAY BRACE ATTACHMENT

**Size Range** - Pipe size to be braced: 1" through 8"  
Sch. 10 and 40. Pipe size used for bracing: 1" and  
1-1/4" Sch. 40 IPS.

**Material** - Carbon Steel

**Function** - For bracing pipe against sway and seismic disturbance. The pipe attachment component of a sway brace system: Fig. 1000 is used in conjunction with a Tolco 900 Series Fitting and joined together with bracing pipe per NFPA #13\*, forming a complete sway brace assembly.

**Features** - Can be used to brace Schedules 10 and 40 IPS.

Field adjustable, making critical pre-engineering of bracing pipe unnecessary.

Unique design requires no threading of bracing pipe.

Can be used as 4-way riser brace.

Can be used as longitudinal brace.

All steel construction eliminates structural deficiencies associated with casting type sway brace fittings.

Comes individually packaged with illustrated installation instructions - sizes are clearly marked. Steel leaf spring insert provided to assure installer and inspector that necessary minimum torque has been achieved.

**Application Note** - Fast Clamp need not be field assembled. Position Fast Clamp and tighten two hex nuts until leaf spring flattens. A minimum of 1" pipe extension beyond the Fig. 1000 is recommended.

\*Length of bracing pipe per National Fire Protection Association, Pamphlet #13, paragraph A-3-10.3.5: 1" Schedule 40 bracing pipe maximum 7'0", 1-1/4" Schedule 40 bracing pipe maximum 9'0".

**Approvals** - Underwriters' Laboratories listed.

**Note** - Must be used with Tolco U.L. Listed 900 Series attachment.

**Finish** - Plain, Electro-Galvanized, HDG, and Stainless Steel.

**Order By** - Order first by pipe size to be braced followed by pipe size used for bracing, figure number, and finish.

