

## Fig. 230

## Turnbuckle

**Size Range:**  $\frac{3}{8}$ " through  $2\frac{1}{2}$ "

**Material:** Forged steel

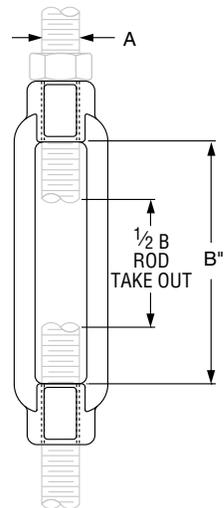
**Finish:**  Plain or  Zinc Plated (Hot-Dip Galvanized optional)

**Service:** Provides adjustment up to 6" for 12" Fig. 230 and 3" for 6" Fig. 230.

**Approvals:** Complies with Federal Specification A-A-1192A (Type 13), WW-H-171-E (Type 13), ANSI/MSS SP-69 and MSS SP-58 (Type 13).

**Ordering:** Specify rod size, figure number, name and finish.

**Note:** The acceptability of galvanized coatings at temperatures above 450°F is at the discretion of the end user.



**FIG. 230: LOADS (LBS) • WEIGHTS (LBS) • DIMENSIONS (IN)**

Rod Size A •	Max Load		Weight	
	650°F	750°F	B= 6" Opening	B=12" Opening
$\frac{3}{8}$	730	572	0.42	–
$\frac{1}{2}$	1,350	1,057	0.65	1.20
$\frac{5}{8}$	2,160	1,692	0.98	1.58
$\frac{3}{4}$	3,230	2,530	1.50	2.35
$\frac{7}{8}$	4,480	3,508	1.90	4.05
1	5,900	4,620	2.60	4.02
$1\frac{1}{4}$	9,500	7,440	4.50	–
$1\frac{1}{2}$	13,800	10,807	6.40	–
$1\frac{3}{4}$	18,600	14,566	11.00	–
2	24,600	19,265	14.90	–
$2\frac{1}{4}$	32,300	25,295	19.60	–
$2\frac{1}{2}$	39,800	31,169	26.90	–

• Tapped right hand and left hand thread. Larger rod sizes or openings available upon request

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			