

## Fig. 137SS

### Stainless Steel U-Bolts

**Size Range:** 1/2" through 12"

**Material:** Stainless steel U-bolt and four finished hex nuts

**Finish:** 304 stainless steel

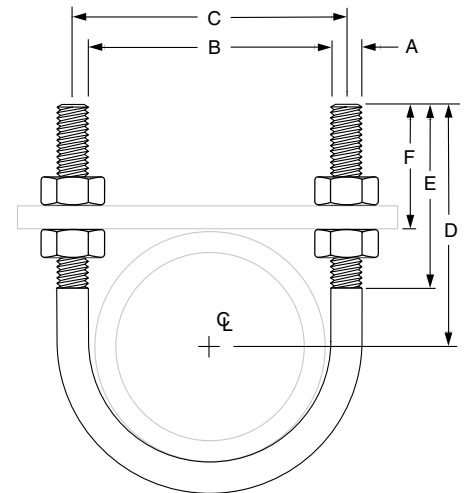
**Service:** Recommended for support, or guide of heavy loads; often employed in power, process plant and marine service.

**Approvals:** Complies with Federal Specification A-A-1192A (Type 24), WW-H-171-E (Type 24), ANSI/MSS SP-69 and MSS SP-58 (Type 24).

**Ordering:** Specify pipe size x rod size (e.g., 6 x 5/8), figure number and name. If hex nuts are not required, specify "without hex nuts".



FIG. 137SS: DIMENSIONS (IN) • LOADS (LBS) • WEIGHTS (LBS)												
Pipe Size	Rod Size A	Max Normal Load		Max Side Load		Wt.	B	C	D	E	F	
		450° F	650° F	450° F	650° F							
½	¼	500	454	120	110	0.11	1⅝	1⅜	2¾	2⅛	2⅝	
¾						0.12	1⅞	1⅜			2⅞	
1						0.12	1⅞	1⅝			2⅞	
1¼	⅜	1,240	1,144	310	280	0.28	1⅞	2⅞	2⅞	2½	2⅞	
1½						0.30	2	2⅞			3	2⅞
2						0.33	2⅞	2⅞			3¼	2⅞
2½						0.73	2⅞	3⅞			3¼	2⅞
3	½	2,300	2,070	570	515	0.78	3⅞	4⅞	3	3	2¼	
4						0.90	4⅞	5⅞			4½	2⅞
5						1.0	5⅞	6⅞			5	2⅞
6	⅝	3,675	3,310	915	825	2.0	6¾	7⅞	3½	4	2⅞	
8						2.3	8¾	9⅞			7⅞	2⅞
10	¾	5,490	4,940	1,370	1,235	4.9	10⅞	11⅞	4	4	3	
12	⅞	8,400	7,560	2,115	1,905	7.7	12⅞	13¾			9⅞	3¼



\*When the combination of a normal load and a side load occurs, a straight line interaction formula may be used to determine if the Fig. 137 is still within the allowable stress range:

$$P_n/P_{na} + P_s/P_{sa} \leq 1$$

Where:

P<sub>n</sub> = actual applied normal load;

P<sub>na</sub> = allowable normal load for the Fig. 137;

P<sub>s</sub> = actual applied side load;

P<sub>sa</sub> = allowable side load for the Fig. 137

Nuts must be snug tight in installation to achieve side loads shown.

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:			