

U-BOLTS



FUNCTION: Designed for use as a support, anchor, or guide for various types of pipe. The PVC coating on Fig. 93 protects the surface of the pipe from contact with the metal surface of the U-Bolt.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 24) and Manufacturers' Standardization Society ANSI/SP- 69 and SP-58 (Type 24).

MATERIAL: Low carbon steel

ORDERING: Specify pipe size and figure number.

**Fig. 90, 91, 93 & 94
STANDARD U-BOLT**

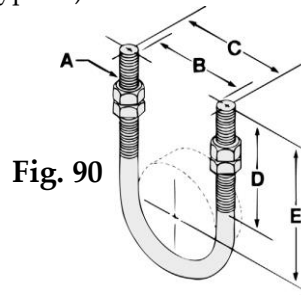


Fig. 90

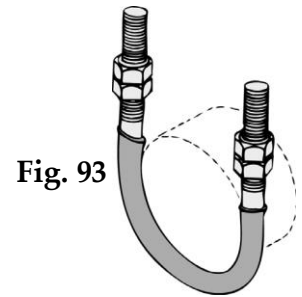


Fig. 93

Fig. 90 PLAIN

Fig. 93 PVC COATED

Fig. 91 ELECTRO-GALVANIZED

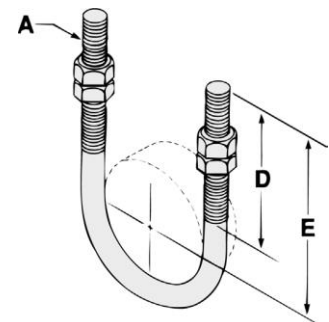
Fig. 94 STAINLESS STEEL

Pipe Size		Rod Size A	B		C		D		Tangent E		Max. Rec. Load				Wt. Each	
											650°F (343°C)		750°F (399°C)			
											lbs.	kN	lbs.	kN	lbs.	kg
1½	(15)	¼	15⁄16	(23.81)	1¾	(30.16)	2¾	(60.33)	2¾	(69.85)	580	(2.58)	454	(2.02)	.11	(.05)
¾	(20)	¼	1⅛	(28.58)	1¾	(34.93)	2¾	(60.33)	2¾	(69.85)	580	(2.58)	454	(2.02)	.12	(.05)
1	(25)	¼	1⅜	(34.93)	1⅝	(41.28)	2¾	(60.33)	2¾	(69.85)	580	(2.58)	454	(2.02)	.12	(.05)
1¼	(32)	⅜	11¹⁄₁₆	(42.86)	2¹⁄₁₆	(52.39)	2¾	(60.33)	2⁷⁄₈	(73.03)	1460	(6.49)	1143	(5.09)	.28	(.13)
1½	(40)	⅜	2	(50.80)	2¾	(60.33)	2½	(63.50)	3	(76.20)	1460	(6.49)	1143	(5.09)	.30	(.14)
2	(50)	⅜	2⁷⁄₁₆	(61.91)	2³⁄₁₆	(71.44)	2½	(63.50)	3¼	(82.55)	1460	(6.49)	1143	(5.09)	.33	(.15)
2½	(65)	½	215⁄₁₆	(74.61)	3⁷⁄₁₆	(87.31)	3	(76.20)	3¾	(95.25)	2700	(12.01)	2114	(9.41)	.73	(.33)
3	(80)	½	3 9⁄₁₆	(90.49)	4¹⁄₁₆	(103.19)	3	(76.20)	4	(101.60)	2700	(12.01)	2114	(9.41)	.78	(.35)
3½	(90)	½	4¹⁄₁₆	(103.19)	4⁹⁄₁₆	(115.89)	3	(76.20)	4¼	(107.95)	2700	(12.01)	2114	(9.41)	.84	(.38)
4	(100)	½	4⁹⁄₁₆	(115.89)	5¹⁄₁₆	(128.59)	3	(76.20)	4½	(114.30)	2700	(12.01)	2114	(9.41)	.90	(.41)
5	(125)	½	5⅝	(142.88)	6¹⁄₈	(155.58)	3	(76.20)	5	(127.00)	2700	(12.01)	2114	(9.41)	1.01	(.46)
6	(150)	⅝	6¾	(171.45)	7¾	(187.33)	3¾	(95.25)	6¹⁄₈	(155.58)	4320	(19.22)	3383	(15.05)	2.00	(.91)
8	(200)	⅝	8¾	(222.25)	9¾	(238.13)	3¾	(95.25)	7¹⁄₈	(180.98)	4320	(19.22)	3383	(15.05)	2.33	(1.06)
10	(250)	¾	10⁷⁄₈	(276.23)	11⁵⁄₈	(295.28)	4	(101.60)	8¾	(212.73)	6460	(28.74)	5059	(22.50)	4.91	(2.23)
12	(300)	⁷⁄₈	12⁷⁄₈	(327.03)	13¾	(349.25)	4¼	(107.95)	9⅝	(244.48)	8960	(39.86)	7017	(31.21)	7.73	(3.51)
14	(350)	⁷⁄₈	14¹⁄₈	(358.78)	15	(381.00)	4¼	(107.95)	10¼	(260.35)	8960	(39.86)	7017	(31.21)	8.30	(3.76)
16	(400)	⁷⁄₈	16¹⁄₈	(409.58)	17	(431.80)	4¼	(107.95)	11¼	(285.75)	8960	(39.86)	7017	(31.21)	9.20	(4.17)
18	(450)	1	18¹⁄₈	(460.38)	19¹⁄₈	(485.78)	4¾	(120.65)	12⁵⁄₈	(320.68)	11800	(52.49)	9241	(41.11)	13.5	(6.12)
20	(500)	1	20¹⁄₈	(511.18)	21¹⁄₈	(536.58)	4¾	(120.65)	13⁵⁄₈	(346.08)	11800	(52.49)	9241	(41.11)	14.6	(6.62)
24	(600)	1	24¹⁄₈	(612.78)	25¹⁄₈	(638.18)	4¾	(120.65)	15⁵⁄₈	(396.88)	11800	(52.49)	9241	(41.11)	16.9	(7.67)
30	(750)	1	30¹⁄₈	(765.18)	31¹⁄₈	(790.58)	4¾	(120.65)	18⁵⁄₈	(473.08)	11800	(52.49)	9241	(41.11)	19.1	(8.66)
36	(900)	1	36¹⁄₈	(917.58)	37¹⁄₈	(942.98)	4¾	(120.65)	21⁵⁄₈	(549.28)	11800	(52.49)	9241	(41.11)	23.2	(10.52)

Fig. 90S special U-Bolts are available upon request. Please specify:

- Pipe Size
- Rod Size A
- Length of threads D
- Tangent E
- Finish
- Type of material if other than low carbon steel

**Fig. 90S
SPECIAL U-BOLTS**



Unless otherwise specified, all dimensions on drawings and in charts are in inches and dimensions shown in parentheses are in millimeters.