WELDED BEAM ATTACHMENT

Figure 113A
Figure 113B

Fig. 113A is recommended for attachment to the bottom of beams when little or no pipe movement is expected.

Fig. 113B is recommended for attachment to the bottom of beams, when pipe movement is expected. Sizes 1" and smaller are typically supplied with a bolt and nut while Sizes 1¼" and larger are typically supplied with a pin and cotters.

Compliance: Federal Specification A-A-1192A Type 22, MSS SP-58 and SP-69 (Type 22) and BSPSS-BS3974

Material: Carbon Steel

Finish: Plain, Painted, Electro-Galvanized, Hot-Dip Galvanized

Note: The use of galvanized coatings at temperatures above 450° F is at the discretion of the customer.

Ordering: Specify figure number, rod size and finish.

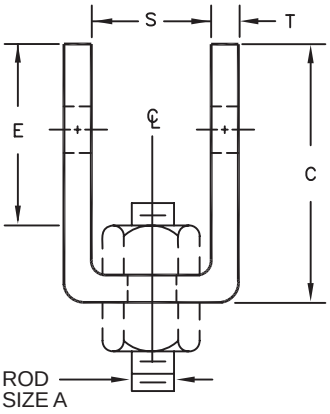

FIGURE 113A
FOR ROD SIZES ⅜" THRU 1¾"

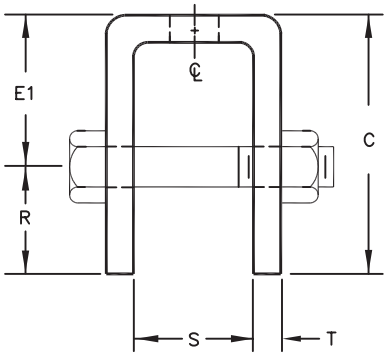

FIGURE 113B
FOR ROD SIZES ⅜" THRU 1¾"

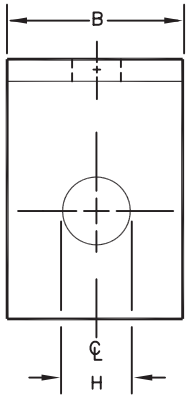

FIGURE 113B
FOR ROD SIZES ⅜" THRU 1¾"

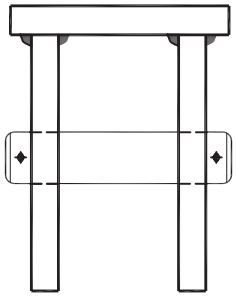

FIGURE 113B
FOR ROD SIZES 2" THRU 3½"

FIGURE 113 – WELDED BEAM ATTACHMENT

ROD SIZE	MAX. LOAD 650°F 343°C	BOLT OR PIN SIZE	B	C	ROD TAKEOUT FIG 113A E	ROD TAKEOUT FIG 113B E1	H	R	S	T	WEIGHT EACH FIG 113A W/O B&N	WEIGHT EACH FIG 113B W/ B&N
⅜	730	½	2	2⅞	1⅞	2	9/16	⅞	1¼	¼	0.96	1.20
M10	3247	M12	51	73	48	51	14	22	32	6	0.44	0.54
½	1350	⅝	2	2⅞	1¾	2	11/16	⅞	1¼	¼	0.96	1.20
M12	6005	M16	51	73	44	51	17	22	32	6	0.44	0.54
⅝	2160	¾	2	2⅞	1¾	2	13/16	⅞	1¼	¼	0.96	1.60
M16	9609	M20	51	73	44	51	21	22	32	6	0.44	0.73
¾	3230	⅞	2½	3⅛	1⅞	2	15/16	1⅛	2⅛	⅜	1.90	2.80
M20	14368	M20	64	79	48	51	24	29	54	10	0.86	1.27
⅞	4480	1	2½	4¼	2⅝	3	1⅛	1¼	2⅛	⅜	2.50	3.90
M20	19929	M24	64	108	67	76	29	32	54	10	1.13	1.77
1	5900	1⅛	3	4½	3	3	1¼	1½	3	½	4.30	6.30
M24	26246	M30	76	114	76	76	32	38	76	13	1.95	2.86
1¼	9500	1⅜	4	5	2	3	1½	2	2½	⅝	8.10	10.2
M30	42260	M36	102	127	51	76	38	51	64	16	3.67	4.63
1½	13800	1⅝	5	6½	2½	4	1¾	2½	3	¾	15.6	19.0
M36	61388	M42	127	165	64	102	44	64	76	19	7.08	8.62
1¾	18600	1⅞	5	7¾	2¾	5	2	2¾	3¾	¾	18.7	24.2
M42	82740	M48	127	197	70	127	51	70	95	19	8.48	10.9
2	24600	2¼	6	8¼	3¼	5	2⅜	3¼	3½	½	N/A	30.6
M48	109431	M56	152	210	83	127	60	83	89	13	N/A	13.8
2¼	32300	2½	6	9½	3½	6	2⅝	3½	3½	⅝	N/A	36.8
M56	143683	M64	152	248	89	152	67	89	89	16	N/A	16.6
2½	39800	2½	6	9¾	3½	6	2⅞	3¾	3¾	⅝	N/A	39.7
M64	177046	M64	152	248	89	152	73	95	95	16	N/A	18.0
2¾	49400	3	6	9¾	N/A	5¾	3⅛	4	3¾	⅝	N/A	39.7
M72	219751	M80X6	152	248	N/A	146	79	102	95	16	N/A	18.0
3	60100	3¼	7	10¼	N/A	6¼	3⅜	4	3¾	⅝	N/A	49.0
M80	267349	M80	178	260	N/A	159	86	102	95	16	N/A	22.2
3¼	71900	3½	7	11½	N/A	7	3⅝	4½	4¼	¾	N/A	67.6
M80	319840	M90X6	178	292	N/A	178	92	114	108	19	N/A	30.6
3½	84700	3¾	8	12	N/A	7½	3⅞	4½	4¼	¾	N/A	79.3
M90	376779	M90-6	203	305	N/A	191	98	114	108	19	N/A	35.9