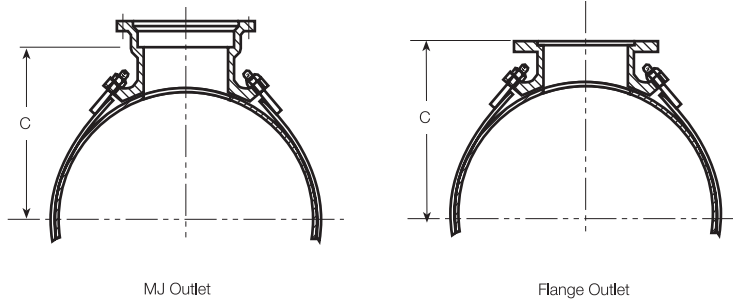




AMERICAN Ductile Iron Specials Outlet/Tapping Saddles



A saddle is furnished with AWWA C110 flange or mechanical joint outlet and can be installed on pipe with hole already machine cut, or torch cut at shop or job site. Saddle can thus be used on 12"–54" pipe for providing outlet as pipeline is being installed or in pipeline already installed. For a saddle in sizes 4"–12" with AWWA C110 flange connection on the branch, the flange is counterbored per MSS (Manufacturers' Standardization Society) SP-60 dimensions, making assembly possible with a tapping machine, tapping valve or a stan-

ard C110 flange. The inside diameter of the outlet is 1/4" greater than the nominal, enabling a full-size opening to be made in pipe wall. Counterbore dimensions are as tabulated below in Table No. 7-13.

Size of Flange in.	Counterbore	
	Depth in.	Diameter in.
4	.250	5.015
6	.312	7.015
8	.312	9.015
10	.312	11.015
12	.312	13.015

Table No. 7-9

Size in.	O.D. of Parent Pipe in.	C in.	No. of Straps	Weight in Pounds		
				Saddle Casting	Straps & Nuts	Total
12 x 4	13.20	12.85	3	45	15	60
12 x 6	13.20	12.85	3	62	14	75
14 x 4	15.30	13.90	3	45	17	60
14 x 6	15.30	13.90	3	62	16	80
16 x 4	17.40	14.95	3	45	19	65
16 x 6	17.40	14.95	3	62	18	80
16 x 8	17.40	14.95	4	89	24	115
18 x 4	19.50	16.00	3	45	22	65
18 x 6	19.50	16.00	3	62	21	85
18 x 8	19.50	16.00	4	89	26	115
20 x 4	21.60	17.05	3	45	23	170
20 x 6	21.60	17.05	3	62	23	185
20 x 8	21.60	17.05	4	89	29	120
20 x 10	21.60	17.05	5	120	35	155
24 x 4	25.80	19.15	3	45	27	70
24 x 6	25.80	19.15	3	62	27	90
24 x 8	25.80	19.15	4	89	35	125
24 x 10	25.80	19.15	5	120	42	160
24 x 12	25.80	19.15	7	151	58	210

See notes at end of Table.



AMERICAN Ductile Iron Specials Outlet/Tapping Saddles

Table No. 7-9—Continued

Size in.	O.D. of Parent Pipe in.	C in.	No. of Straps	Weight in Pounds		
				Saddle Casting	Straps & Nuts	Total
30 x 4	32.00	22.00	3	45	34	80
30 x 6	32.00	22.00	3	62	34	95
30 x 8	32.00	22.00	4	89	43	130
30 x 10	32.00	22.00	5	120	53	175
30 x 12	32.00	22.00	7	151	72	225
36 x 4	38.30	25.25	3	45	40	185
36 x 6	38.30	25.25	3	62	40	100
36 x 8	38.30	25.25	4	89	52	140
36 x 10	38.30	25.25	5	120	64	185
36 x 12	38.30	25.25	7	151	88	240
42 x 4	44.50	28.25	3	45	46	190
42 x 6	44.50	28.25	3	62	46	110
42 x 8	44.50	28.25	4	89	60	150
42 x 10	44.50	28.25	5	120	74	195
42 x 12	44.50	28.25	7	151	102	255
48 x 4	50.80	31.50	3	145	53	100
48 x 6	50.80	31.50	3	162	52	115
48 x 8	50.80	31.50	4	189	69	160
48 x 10	50.80	31.50	5	120	85	205
48 x 12	50.80	31.50	7	151	117	270
54 x 4	57.56*	34.55	3	145	59	105
54 x 6	57.56*	34.55	3	162	58	120
54 x 8	57.56*	34.55	4	189	77	165
54 x 10	57.56*	34.55	5	120	95	215
54 x 12	57.56*	34.55	7	151	132	285

Weights are for saddle with MJ bell or AWWA C110 flange; weights do not include any MJ or flange joint materials. Saddles listed are rated 250 psi working pressure. Contact AMERICAN for higher pressure applications.
 Straps are alloy steel, 1/4" X 1 1/2" in cross section and are fabricated with 3/4" threaded ends. Sealing of saddle is provided by a positively confined "O-Ring" SBR rubber gasket, circular in cross section and made of molded rubber approximately 70 durometer hardness.
 Saddles to fit some other diameters can be furnished upon request. Order should specify diameter of parent pipe. Outlet can be furnished tapped for studs when specified.
 Maximum size outlet normally furnished for tapping 12"-14" pipe is 6"; for 16"-18" pipe is 8"; for 20" pipe is 10"; and for 24"-54" pipe is 12".
 On special order some outlets 14" -18" can be furnished for low pressure service on 30"-54" pipe.
 See general notes on page 7-1.
 *Prior to 1988, 54" AMERICAN pipe had an O.D. of 57.10". Installers should measure the O.D. of existing 54" pipe prior to ordering so that proper strap lengths can be furnished.

For recommended minimum installation distance (X) from face of Fastite bell to center of saddle, see Table No. 7-10.

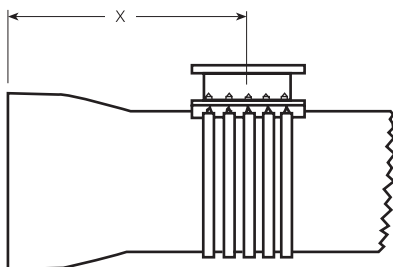


Table No. 7-10

Size in.	"X" Min.
12 x 6	12
14 x 6	14
16 x 8	14
18 x 8	16
20 x 10	16
24 x 12	18
30 x 12	18
36 x 12	18
42 x 12	20
48 x 12	20
54 x 12	20