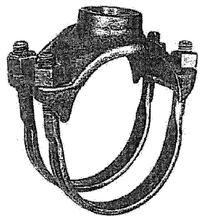
MUELLER® BR2B & BR2S SERIES BRONZE SERVICE SADDLES - DOUBLE STRAP

Mueller Co. **4.5**

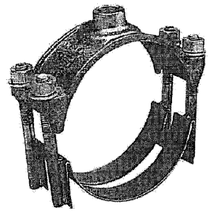
Rev. 4-01

MUELLER® Service Saddles for use on A-C, cast iron, ductile iron, and AWWA C900 PVC plastic pipe

- ❑ Outlet tapped with either AWWA taper (C.C.) or AWWA I.P. thread (F.I.P.T.)
- ❑ For use on A-C pipe, cast iron or ductile iron pipe and cast iron O.D. PVC pipe
- ❑ 200 psig (1379 kPa) maximum working pressure
- ❑ Available in single and double strap designs
- ❑ Brass body
- ❑ Flattened silicon bronze straps (standard)
- ❑ Optional 304L stainless steel straps
- ❑ Rolled strap threads
- ❑ O-ring sealed outlet
- ❑ 3/4" thru 2" tap sizes (5/8" some styles)
- ❑ Meets all applicable parts of ANSI/AWWA C800
- ❑ NSF 61 certified



BR 2 B Series



BR 2 S Series

MUELLER® Service Saddles with AWWA taper thread

Pipe O.D. range		Kind and size of pipe		Bronze double strap with AWWA taper thread (C.C.)							Optional stainless steel double strap with AWWA taper thread (C.C.)						
				Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)						Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)					
Inch	mm	A-C	Cast or ductile iron, C900 PVC plastic pipe		5/8"	3/4"	1"	1-1/4"	1-1/2"	2"		5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
4.74"-5.32"	121.0-135.0		4"	BR 2 B 0474 CC	062	075	100	125	150	200	BR 2 S 0474 CC	062	075	100	125	150	200
6.84"-7.45"	174.0-189.0		6"	BR 2 B 0684 CC	062	075	100	125	150	200	BR 2 S 0684 CC	062	075	100	125	150	200
8.99"-9.67"	229.0-245.0		8"	BR 2 B 0899 CC	062	075	100	125	150	200	BR 2 S 0899 CC	062	075	100	125	150	200
11.04"-12.12"	281.0-307.0		10"	BR 2 B 1104 CC	062	075	100	125	150	200	BR 2 S 1104 CC	062	075	100	125	150	200
13.14"-14.58"	334.0-370.0		12"	BR 2 B 1314 CC	062	075	100	125	150	200	BR 2 S 1314 CC	062	075	100	125	150	200
15.22"-16.88"	386.6-428.7		14"	BR 2 B 1522 CC	-	075	100	-	150	200	BR 2 S 1522 CC	-	075	100	-	150	200
17.32"-19.19"	439.9-487.4		16"	BR 2 B 1732 CC	-	075	100	-	150	200	BR 2 S 1732 CC	-	075	100	-	150	200

MUELLER® Service Saddles with AWWA iron pipe thread

Pipe O.D. range		Kind and size of pipe*		Bronze double strap with AWWA I.P. thread (F.I. P.T.)					Optional stainless steel double strap with AWWA I.P. thread (F.I. P.T.)				
				Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)				Base Catalog Number	Size of tapping (add to "Base" to complete catalog number)			
Inch	mm	A-C	Cast or ductile iron, C900 PVC pipe		3/4"	1"	1-1/4"	1-1/2"		3/4"	1"	1-1/4"	1-1/2"
4.74"-5.32"	121.0-135.0		4"	BR 2 B 0474 IP	075	100	125	150	BR 2 S 0474 IP	075	100	125	150
6.84"-7.45"	174.0-189.0		6"	BR 2 B 0684 IP	075	100	125	150	BR 2 S 0684 IP	075	100	125	150
8.99"-9.67"	229.0-245.0		8"	BR 2 B 0899 IP	075	100	125	150	BR 2 S 0899 IP	075	100	125	150
11.04"-12.12"	281.0-307.0	**	10"	BR 2 B 1104 IP	075	100	125	150	BR 2 S 1104 IP	075	100	125	150
13.14"-14.58"	334.0-370.0		12"	BR 2 B 1314 IP	075	100	125	150	BR 2 S 1314 IP	075	100	125	150
15.22"-16.88"	386.6-428.7		14"	BR 2 B 1522 IP	075	100	-	150	BR 2 S 1522 IP	075	100	-	150
17.32"-19.19"	439.9-487.4		16"	BR 2 B 1732 IP	075	100	-	150	BR 2 S 1732 IP	075	100	-	150

*A-C pipe, classes 150-300 per ASTM C296 and AWWA C400 – actual O.D. of pipe being used must fall within the pipe O.D. range listed in the preceeding charts. Centrifugally cast pipe, classes 50-250 per ANSI/AWWA C102/A21.2; ANSI/AWWA C106/A21.6; ANSI/AWWA C108/A21.8; and Federal specification WW-P-421. Ductile iron pipe, classes 50-56 per ANSI/AWWA C151/A21.51; Cast iron O.D. PVC plastic pipe per AWWA C900.

** The outside diameter of A-C pipe varies from manufacturer to manufacturer, to make certain you select the proper clamp:

1) Determine the O.D. of the pipe at the point of saddle installation;
2) From the pipe O.D. range column of the above chart, choose a saddle that has a pipe O.D. range that includes the determined pipe diameter

These machines may be used with the service saddles illustrated on this page

Machine	Service saddle tap size					
	5/8"	3/4"	1"	1-1/2"	2"	
E-3™	X	X	X	X	X	
D-5™	-	X	X	X	X	
TRU-CUT™	-	X	X	-	-	
MEGA-CUT™	X	X	X	X	X	
PL-3™	-	X	X	-	-	

TO ORDED SPECIFY QUANTITY, OUTLET TAPPING SIZE AND CATALOG NUMBER

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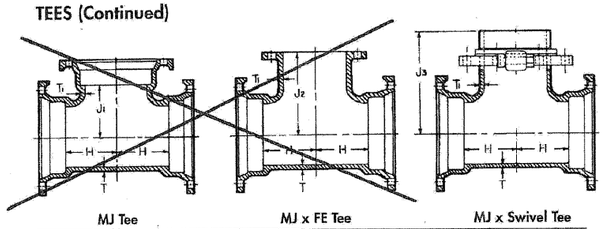
Tyler/Union

MECHANICAL JOINT C153 DUCTILE IRON COMPACT FITTINGS

Sizes 3" thru 12" UL Listed For Fire Main Equipment

TEES (Continued)

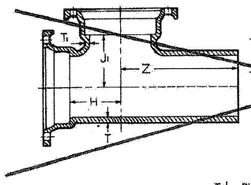


MJ Tee | MJ x FE Tee | MJ x Swivel Tee

Size	Dimensions T	T¹	H	J¹	J²	J³	Weights MJ	MJxFE	†MJxS
18x6	.59	.44	6.5	12.5	15.5	18.0	275	261	278
18x8	**.59**	**.45**	**7.5**	**12.5**	**...**	**...**	**280**	**351**	**...**
18x10	.59	.47	8.5	12.5	...	...	286	...	...
18x12	**.59**	**.49**	**9.5**	**12.5**	**...**	**...**	**370**	**...**	**...**
18x14	.59	.56	10.5	12.5	...	...	415	...	...
18x16	**.59**	**.57**	**11.5**	**12.5**	**...**	**...**	**445**	**...**	**...**
18	.59	.59	12.5	12.5	...	...	490	...	...
20x6	**.60**	**.44**	**7.0**	**14.0**	**17.0**	**19.5**	**335**	**362**	**358**
20x8	.60	.45	8.0	14.0	...	...	383	...	...
20x10	**.60**	**.47**	**9.0**	**14.0**	**...**	**...**	**410**	**...**	**...**
20x12	.60	.49	10.0	14.0	...	...	432	...	...
20x14	**.60**	**.56**	**11.0**	**14.0**	**...**	**...**	**475**	**...**	**...**
20x16	.60	.57	12.0	14.0	...	...	530	...	...
20x18	**.60**	**.59**	**13.0**	**14.0**	**...**	**...**	**560**	**...**	**...**
20	.60	.60	14.0	14.0	...	...	605	...	...
24x6	**.62**	**.44**	**7.0**	**16.0**	**19.0**	**21.5**	**448**	**451**	**461**
24x8	.62	.45	8.0	16.0	...	...	475	...	...
24x10	**.62**	**.47**	**9.0**	**16.0**	**...**	**...**	**516**	**...**	**...**
24x12	.62	.49	10.0	16.0	...	...	549	580	...
24x14	**.62**	**.56**	**11.0**	**16.0**	**...**	**...**	**585**	**...**	**...**
24x16	.62	.57	12.0	16.0	...	...	625	744	...
24x18	**.62**	**.59**	**13.0**	**16.0**	**...**	**...**	**675**	**...**	**...**
24x20	.62	.60	15.0	17.0	...	...	740	...	...
24	.62	.62	17.0	17.0	...	...	947	...	...

† Weights include swivel gland.

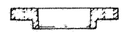
MJ x FE Flange Dimensions are on Page 1.



MJ x PE x MJ Tee

Size	Dimensions T	T¹	H	J¹	Z	Weights
6	.37	.37	5.0	5.0	11.5	57
8x6	.39	.37	5.5	6.5	11.5	79
8	.39	.39	6.5	6.5	12.5	83
10	.41	.41	7.5	7.5	13.0	133

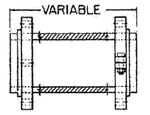
MJ GLANDS



Glands

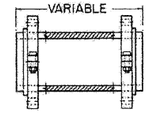
Size	Weight	Size	Weight
3	3	12	12
4	4	14	16
6	6	16	20
8	8	18	25
10	11	20	29
		24	38

Swivel Glands, page 21
Retainer Glands, page 8



Swivel x Solid Adapter with Swivel Gland

Size by Laying Length	Wall Thickness	Weight
6x13	.37	46
6x18	**.37**	**58**
6x24	.37	74
8x12	**.39**	**52**



Swivel x Swivel Adapter

Size by Laying Length	Wall Thickness	Weight
6x12	.37	28
6x18	**.37**	**49**
6x24	.37	52

11-29-2001

Tyler Pipe/Utilities Division • P.O. Box 2027 • Tyler, Texas 75710 • (903) 882-5511
Union Foundry Company • P.O. Box 309 • Anniston, Alabama 36202 • (256) 236-7601

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FILE NAME = g:\ch07\0061\road\sheets\D160D12-SHT-WM-STD.dgn	USER NAME = BAWilson	DESIGNED - CRH	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	
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	PLOT DATE = 8/5/2009	CHECKED - DWB	REVISED -		
		DATE - 07/24/2009	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	55WRS	DuPAGE	362	133
		CONTRACT NO. 60D12		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SCALE: | SHEET NO. 133 OF 362 SHEETS