

MUELLER Service Saddles are available in single strap or double strap designs. These saddles fit steel, cast iron and ductile iron pipe in diameters from 2" to 16" and can be ordered with boss tapping from 1/2" to 2" IP sizes. The saddle portion is ductile iron. The straps are steel and are flattened to increase the area in contact with the pipe decreasing the possibility of pipe damage. The saddle is nylon coated and the steel straps are plated to

resist corrosion. Extra wide 304L stainless steel straps are optional. A large diameter nitrile O-ring seals the outlet boss and is cemented in place.

When properly installed, the double strap saddles have a maximum working pressure of 250 psig and the single strap 125 psig.

MUELLER Service Saddles for cast iron, ductile iron and steel pipe – features



- ROLLED STRAP THREADS – for added strength and past "spin-on" nut assembly.
- BODY CURVATURE – designed to fit pipe accurately for secure clamping and uniform sealing pressure.
- STRONG DUCTILE IRON BODY – per ASTM A-395 .
- FORGED ALLOY STEEL STRAPS – are zinc plated, and are extra large and flattened to provide increased gripping surface.
- 250 PSIG (1723 kPa) – maximum working pressure for double strap design and 125 psig (861 kPa) for single strap design. These pressure ratings apply when clamped with 5/8" nuts are torqued per instruction tag.
- NYLON COATED SADDLE – fluidized bed applied, 10-12 mil thick coating is standard - superior corrosion resistance, non-conductive, and unique capability to flex with saddle as it is tightened to conform to pipe OD.
- THICK TAPPING BOSS – has precision machined, full-length threads for a pressure tight connection that resists pull-out.
- OPTIONAL 304L STAINLESS STEEL STRAPS – for additional pipe support.
- NITRILE O-RING GASKET – oil resistant seal cemented in a controlled groove to resist blow out at higher pressures.

Rev. 12-06 Shaded area indicates changes

MUELLER® Ductile Iron Service Saddles for use on cast iron, ductile iron and steel pipe with I.P. thread tapping boss



Single Strap Design

Double Strap Design

- Tapping boss with I.P. thread.
- Single strap design rated at 125 psig (862 kPa) maximum working pressure
- Double strap design rated at 250 psig (1724 kPa) maximum working pressure
- Ductile iron body coated with Rilsan® Nylon 11 Coating
- Flattened alloy steel zinc plated straps
- Rolled strap threads
- Nitrile O-Ring

MUELLER Ductile Iron Service Saddles with Alloy Steel Straps and I.P. threads

Pipe O.D. Range		Type & Size of Pipe		Single Alloy Steel Strap with I.P. Threads							Double Alloy Steel Strap with I.P. Threads						
Inches	mm	Steel	Cast or Ductile Iron	Base Catalog Number	Size of Tap (add to base number)						Base Catalog Number	Size of Tap (add to base number)					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
2.35 - 2.50	59.7-63.5	2"	2**	DR 1 A 0235 IP	50	75	100	-	-	-	DR 2 A 0235 IP	50	75	100	-	-	-
2.85-2.91	72.4-73.9	2-1/2"	2-1/2"	DR 1 A 0285 IP	50	75	100	-	-	-	DR 2 A 0285 IP	50	75	100	-	-	-
3.56-4.00	91.0-101.0	3-1/2"	3"	DR 1 A 0356 IP	50	75	100	-	-	-	DR 2 A 0356 IP	50	75	100	-	-	-
4.47-5.32	114.3-122.0	4"	4"	DR 1 A 0447IP	50	75	100	125	150	200	DR 2 A 0447 IP	50	75	100	125	150	200
6.59-7.37	167.4-187.2	6"	6"	DR 1 A 0659 IP	50	75	100	125	150	200	DR 2 A 0659 IP	50	75	100	125	150	200
8.54-9.79	216.9-248.7	8"	8"	DR 1 A 0854 IP	50	75	100	125	150	200	DR 2 A 0854 IP	50	75	100	125	150	200
10.64-12.12	270.3-307.8	10"	10"	DR 1 A 1064 IP	50	75	100	-	-	-	DR 2 A 1064 IP	50	75	100	125	150	200
12.62-14.38	320.5-365.3	12"	12"	DR 1 A 1262 IP	50	75	100	-	-	-	DR 2 A 1262 IP	50	75	100	125	150	200
17.40-18.80	442.0-477.5	-	16"	-	-	-	-	-	-	-	DR 2 A 1740 IP	50	75	100	125	150	200

MUELLER Ductile Iron Service Saddles with Stainless Steel Straps and I.P. threads

Pipe O. D. Range		Type & Size of Pipe		Single Stainless Steel Strap with I.P. Threads							Double Stainless Steel Strap with I.P. Threads						
Inches	mm	Steel	Cast or Ductile Iron	Base Catalog Number	Size of Tap (add to base number)						Base Catalog Number	Size of Tap (add to base number)					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
2.35 - 2.50	59.7-63.5	2"	2**	DR 1 S 0235 IP	50	75	100	-	-	-	DR 2 S 0235 IP	50	75	100	-	-	-
2.85-2.91	72.4-73.9	2-1/2"	2-1/2"	DR 1 S 0285 IP	50	75	100	-	-	-	DR 2 S 0285 IP	50	75	100	-	-	-
3.56-4.00	91.0-101.0	3-1/2"	3"	DR 1 S 0356 IP	50	75	100	-	-	-	DR 2 S 0356 IP	50	75	100	-	-	-
4.47-5.32	114.3-122.0	4"	4"	DR 1 S 0447 IP	50	75	100	125	150	200	DR 2 S 0447 IP	50	75	100	125	150	200
6.59-7.37	167.4-187.2	6"	6"	DR 1 S 0659 IP	50	75	100	125	150	200	DR 2 S 0659 IP	50	75	100	125	150	200
8.54-9.79	216.9-248.7	8"	8"	DR 1 S 0854 IP	50	75	100	125	150	200	DR 2 S 0854 IP	50	75	100	125	150	200
10.64-12.12	270.3-307.8	10"	10"	DR 1 S 1064 IP	50	75	100	-	-	-	DR 2 S 1064 IP	50	75	100	125	150	200
12.62-14.38	320.5-365.3	12"	12"	DR 1 S 1262 IP	50	75	100	-	-	-	DR 2 S 1262 IP	50	75	100	125	150	200
17.40-18.80	442.0-477.5	-	16"	-	-	-	-	-	-	-	DR 2 S 1740 IP	50	75	100	125	150	200

*Important -- carefully check the range of the saddle with the O.D. of the pipe being used.

† These service saddles are suitable for use on pipe meeting the following standards and specifications:

-Centrifugallycast pipe, classes 50 - 250 ANSI A21.6; ANSI A21.8 and Federal specifications WW-P-421.

-Pit cast pipe, classes 50 - 250 ANSI A21.2

-Ductile iron pipe, class 50 - 56 ANSI A21.51. - -Steel pipe, ANSI B36.10