

JCM Service Saddles

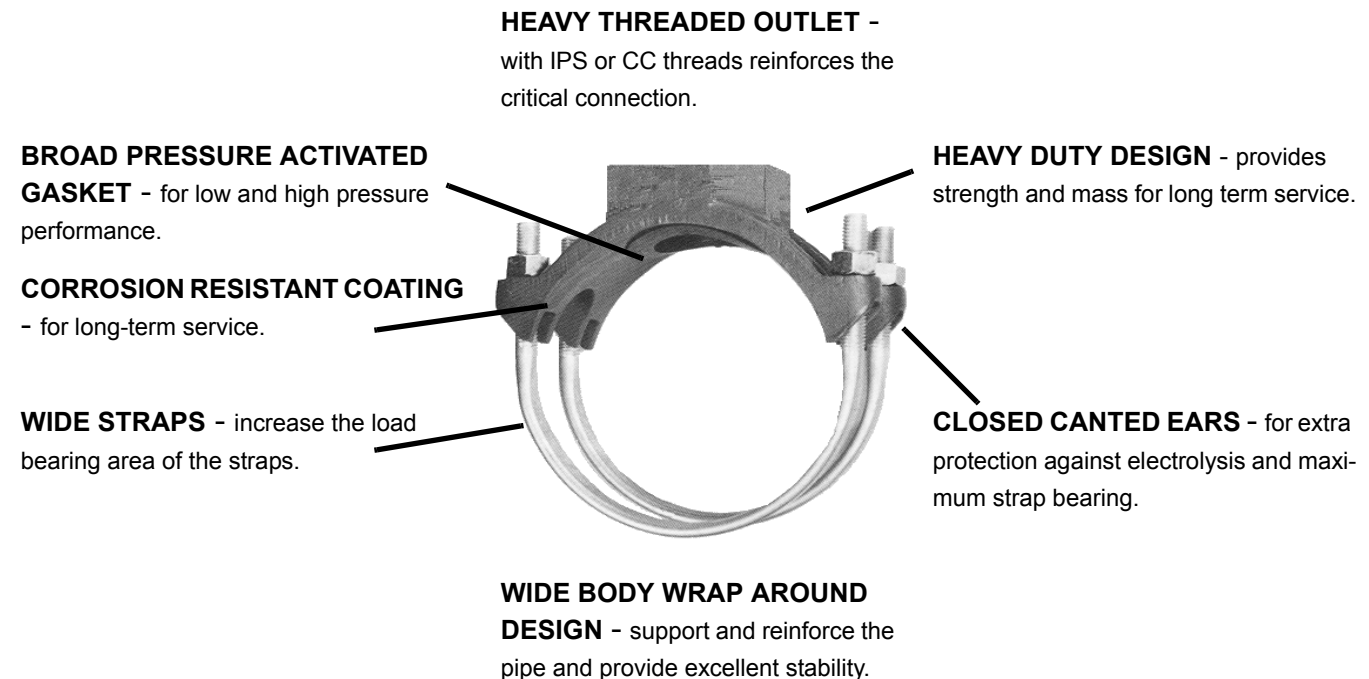
JCM Service Saddles provide a quick, dependable means of tapping pipe for branch connections of 1/2" through 2-1/2". Use of economical JCM Service Saddles eliminate problems common to direct taps, such as leaking threads or split pipe, and reinforces the critical connection.

JCM Service Saddles are designed for maximum safety and performance. The wrap around design, wide skirt and wide straps support and reinforce the pipe while providing excellent stability to the saddle. The heavy duty design of these saddles provides strength and mass for long term service.

High pressure performance is assured by the broad, pressure activated gasket. Permanently set in a retaining cavity, the contoured gasket produces a positive initial seal which increases with increase in line pressure.

The JCM 402, 404 and 406 saddles, with their wide bodies and large sealed outlet areas, provide an excellent means of repairing holes, pin holes and leaking 3/4" and 1" direct taps.

DESIGNED FOR SAFETY AND PERFORMANCE



Material Specifications:

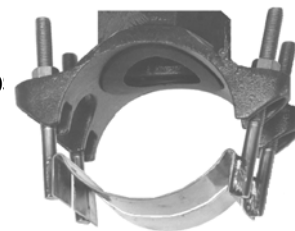
Body: Ductile Iron ASTM A536

Straps: **Models 401, 402** - Electro Galvanized Steel; **Models 403, 404, 405, 406** - Bands, Bolts, Nuts and Washers are 18-8 Type 304 Stainless Steel.

Gasket: Compounded for use with water, salt solutions, mild acids, bases.

Finish: **Models 401, 402, 403, 404** - Standard Shop Coat Primer: Heavy coat of corrosion resistant metal primer. **Models 405, 406** - Fusion Plastic Coating: fusion bonded, high density blue plastic coating, 12 mils minimum thickness with a dielectric strength of over 12,000 volts.

JCM 404 Service Saddle with Double Stainless Steel Straps JCM 406 Coated Service Saddle with Double Stainless Steel Strap



The JCM 404 and 406 utilize the heavy duty double strap saddle body with two wide stainless steel straps. The extra wide straps provide a broad supportive stance on the pipe. The JCM 404 is furnished with a corrosion resistance shop coat primer. The model 406 is fusion coated with a heavy resilient plastic coating.

NOM. PIPE SIZE (IN.)	PIPE O.D. RANGE (IN.)	WT. EA. LBS.	CTN. QTY.	JCM 404 SERVICE SADDLE	JCM 406 SERVICE SADDLE
				BASE CATALOG NUMBER X ADD TAP CODE	BASE CATALOG NUMBER X ADD TAP CODE
2	2.35 - 2.63	4	6	*404-0238 X --	*406-0238 X --
2-1/2	2.70 - 3.13	5	6	*404-0288 X --	*406-0288 X --
3	3.25 - 3.50	7	6	**404-0350 X --	**406-0350 X --
3 - 4	3.80 - 4.13	7	6	**404-0413 X --	**406-0413 X --
4	4.25 - 4.50	10	4	404-0450 X --	406-0450 X --
4	4.50 - 4.80	10	4	404-0480 X --	406-0480 X --
4	4.74 - 5.45	10	4	404-0545 X --	406-0545 X --
5	5.50 - 5.56	10	4	404-0556 X --	406-0556 X --
6	6.50 - 6.63	10	4	404-0663 X --	406-0663 X --
6	6.63 - 6.90	10	4	404-0690 X --	406-0690 X --
6	6.84 - 7.60	10	4	404-0745 X --	406-0745 X --
8	8.50 - 8.63	12	4	404-0863 X --	406-0863 X --
8	8.63 - 9.05	13	4	404-0905 X --	406-0905 X --
8	8.99 - 9.79	13	4	404-0963 X --	406-0963 X --
10	10.60 - 10.75	14	3	404-1075 X --	406-1075 X --
10	10.75 - 11.10	14	3	404-1110 X --	406-1110 X --
10	11.10 - 11.40	14	3	404-1140 X --	406-1140 X --
10	11.00 - 12.25	14	3	404-1225 X --	406-1225 X --
12	12.75 - 13.20	16	3	404-1320 X --	406-1320 X --
12	12.75 - 13.50	16	3	404-1350 X --	406-1350 X --
12	13.10 - 14.38	16	2	404-1426 X --	406-1426 X --
12 - 14	14.00 - 15.20	15	1	404-1520 X --	406-1520 X --
14	C-905 15.30	15	1	404-1530 X --	406-1530 X --
14 - 16	15.20 - 16.60	15	1	404-1660 X --	406-1660 X --
16	C-905 17.40	16	1	404-1740 X --	406-1740 X --
16 - 18	17.30 - 18.88	16	1	404-1888 X --	406-1888 X --
18	C-905 19.50	18	1	404-1950 X --	406-1950 X --
18 - 20	19.00 - 20.50	18	1	404-2050 X --	406-2050 X --
18 - 20	20.50 - 21.50	18	1	404-2125 X --	406-2125 X --
20	C-905 21.60	20	1	404-2160 X --	406-2160 X --
20	21.35 - 22.60	20	1	404-2260 X --	406-2260 X --
20	22.50 - 23.70	20	1	404-2370 X --	406-2370 X --
24	23.75 - 25.25	20	1	404-2525 X --	406-2525 X --
24	C-905 25.80	20	1	404-2580 X --	406-2580 X --
24	25.50 - 26.50	20	1	404-2650 X --	406-2650 X --

OUTLET SIZES	TAP CODES IP	TAP CODES CC
1/2"	04	--
3/4"	06	07
1"	08	09
1-1/4"	10	11
1-1/2"	12	13
2"	14	15
2-1/2"	16	--

*Outlets Not available in 1-1/4", 1-1/2", 2" or 2-1/2"

**Outlets Not available in 2" CC or 2-1/2" IP



JCM 404 Service Saddle with Double Stainless Steel Straps Typical Specifications

JCM 404 Service Saddle with Double Stainless Steel Straps

Service Saddles for pipe sizes 2" through 12" shall have a wrap around design with a ductile iron body coated with a shop primer. The gasket shall be a broad pressure activated design, molded of virgin rubber and bonded into a cavity in the saddle body, which provides internal as well as external gasket retention.

The straps, bolts, nuts and washers shall be 18-8 stainless steel with all welds passivated for resistance to corrosion. The combined strap width shall be 3-1/4" to provide a wide stance on the pipe.

Service saddles for pipe sizes 14" through 24" shall have two (2) 2-3/4" wide stainless steel straps.

Service Saddles shall be JCM 404 or approved equal.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61 Certified.



JCM 404 Service Saddle with Double Stainless Steel Straps Material Specifications

JCM 404 Service Saddle with Double Stainless Steel Straps

JCM Service Saddles are constructed of ductile iron with shop primer coating and have 18-8 Type 304 Stainless Steel straps, nuts and washers for high corrosion resistance. These saddles meet or exceed AWWA C-800 Standards for service line fittings.

BODY CASTING: Wrap around design of Ductile Iron ASTM A-536. Body has a gasket cavity, which provides internal as well as external gasket retention.

GASKET: Molded virgin rubber with a pressure activated hydro mechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket is suitable for water, salt solutions, mild acids, bases, and sewage.

STRAPS: Stainless steel, 18-8 Type 304, Straps are 14 gauge stainless steel. Nominal sizes 2" through 12" shall have two (2) stainless steel straps which have a combined width of 3-1/4" to provide a wide stance on the pipe. Nominal sizes 14" through 24" shall have two (2) 2-3/4" wide stainless steel straps. Straps are passivated for corrosion resistance.

BOLTS, NUTS

WASHERS: Stainless Steel, 18-8 Type 304, passivated for corrosion resistance. Coated with antiseize compound to reduce friction and galling.

COATING: Casting is coated with shop primer coating.

PRESSURE

RATING: Working pressure is 250 PSI hydrostatic. Contact factory if higher working pressure is required.

SIZES: See Catalog.



JCM Service Saddle Installation Instructions

1. Thoroughly clean pipe surface.
2. Check pipe surface for irregularities.
3. Lubricate face of gasket.
4. Mount saddle body in proper position on pipe.
5. Install strap(s) or bolts(s).
6. Check to make certain gasket is in proper position and not in waterway.
7. Tighten nut(s) to following torque values:

<u>Bolt Size</u>	<u>Steel & Rigid Pipe</u>	<u>PVC & Polyethylene Pipe</u>
		HDPE Approx. - subject to temperature and line pressure
1/2"	45 - 50 Ft. Lbs.	45 - 50 Ft. Lbs.
5/8"	70 - 75 Ft. Lbs.	45 - 50 Ft. Lbs.