



## Pipe Fittings & Fabrications for Industrial Service

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### JCM Coated Service Saddles for Industrial Service



**JCM 406 Coated Service Saddle with  
Double Stainless Steel Straps**



**JCM 408 Coated Double Strap Service Saddle**

#### 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 are an excellent application for drain ports and eliminate problems common to direct taps, such as leaking threads or split pipe, and reinforces the critical connection.

JCM Service Saddles offer application critical features that enable the fitting to perform to 100% capacity:

**Massive Ductile Iron Saddle Body** provides strength and mass for long term service. The wrap around design, wide skirt and wide straps support and reinforce the pipe while providing excellent stability of the saddle on the pipe.

**Advanced Corrosion Protection** is provided with **Fusion Applied Plastic Coating** which is a minimum of 12 mils thickness and a dielectric strength of over 12, 000 volts. Resistant to all types of corrosive environments.

**Broad, Pressure Activated Gasket** furnishes a wide, fluid tight seal around the outlet area. Measured for optimum durometer, the gasket is soft enough to conform to the pipe and surface irregularities, and is of a hardness to withstand high working pressures. The gasket is molded with a feathered, hydromechanical lip that lies smoothly on the pipe and increases sealing ability with increased working pressure.

**Recess Groove Capture Gasket** and lowers the saddle profile on the pipe. The gasket groove traps the gasket both internally and externally and prevents gasket displacement under harsh pressure conditions, while the low profile of the saddle body on the pipe captures the gasket with the strong, ductile body.

**Double Strap Design** provides a wide stance on the pipe to support the pipe wall and bear the burden of the connection. With the two, wide straps, the load is spread over a large area of pipe surface and prevents undue stress on the pipe at the tap location. The saddle design features **Closed, Cantled Ears** for the bolting system the provide extra protection and maximum strap bearing.

**JCM 406 Coated Service Saddle with Double Stainless Steel Straps** provide corrosion resistance and a broader "load" area preventing damage or failure due to "point" loading. JCM 408 Coated Double Strap Service Saddle with Electro Galvanized Straps are coated saddles that are furnished for installations on rigid pipe (ductile iron, steel pipe) in which "point" loading is not an issue.

**JCM Coated Service Saddles - Double Straps**  
**JCM 406 Coated Saddle - Double Stainless Steel Straps**  
**JCM 408 Coated Saddle - Electro Galvanized Straps**

The JCM 406 and 408 utilize the heavy duty double strap saddle body with a fusion applied, heavy resilient plastic coating. The JCM 406 is furnished with two stainless steel straps. The model 408 is furnished with two electro galvanized steel straps.



**Typical Applications:**

**Branch Line  
 Air Valves  
 Service Connection**

**Monitors  
 Vents or Bleeders  
 Flow Sensors**

NOMINAL PIPE SIZE		PIPE O.D. RANGE (IN.)	WT. EA. LBS.	CTN. QTY.	JCM 406 SERVICE SADDLE			JCM 408 SERVICE SADDLE		
IN	MM				CATALOG NUMBER X ADD TAP CODE	3/4" 1"	1-1/4" 1-1/2" 2" 2-1/2"	CATALOG NUMBER X ADD TAP CODE	3/4" 1"	1-1/4" 1-1/2" 2" 2-1/2"
2	50	2.35 - 2.63	4	6	*406-0238 X --	•	N/A	*408-0238 X --	•	N/A
2-1/2	65	2.70 - 3.13	5	6	*406-0288 X --	•	N/A	*408-0288 X --	•	N/A
3	80	3.25 - 3.50	7	6	**406-0350 X --	•	•	**408-0350 X --	•	•
3 - 4	80 - 100	3.80 - 4.13	7	6	**406-0413 X --	•	•	**408-0413 X --	•	•
4	100	4.25 - 4.50	10	4	406-0450 X --	•	•	408-0450 X --	•	•
4	100	4.50 - 4.80	10	4	406-0480 X --	•	•	408-0480 X --	•	•
4	100	4.74 - 5.45	10	4	406-0545 X --	•	•	408-0545 X --	•	•
5	125	5.50 - 5.56	10	4	406-0556 X --	N/A	•	408-0556 X --	•	•
6	150	6.50 - 6.63	10	4	406-0663 X --	•	•	408-0663 X --	•	•
6	150	6.63 - 6.90	10	4	406-0690 X --	•	•	408-0690 X --	•	•
6	150	6.84 - 7.60	10	4	406-0745 X --	•	•	408-0745 X --	•	•
8	200	8.50 - 8.63	12	4	406-0863 X --	•	•	408-0863 X --	•	•
8	200	8.63 - 9.05	13	4	406-0905 X --	•	•	408-0905 X --	•	•
10	250	10.60 - 10.75	14	3	406-1075 X --	•	•	408-1075 X --	•	•
10	250	10.75 - 11.10	14	3	406-1110 X --	•	•	408-1110 X --	•	•
10	250	11.10 - 11.40	14	3	406-1140 X --	•	•	408-1140 X --	•	•
12	300	12.75 - 13.20	16	3	406-1320 X --	•	•	408-1320 X --	•	•
12	300	12.75 - 13.50	16	3	406-1350 X --	•	•	408-1350 X --	•	•
12 - 14	300 - 350	14.00 - 15.20	15	1	406-1520 X --	•	•	408-1520 X --	•	•
14	350	C-905 15.30	15	1	406-1530 X --	•	•	408-1530 X --	•	•
14 - 16	350 - 400	15.20 - 16.60	15	1	406-1660 X --	•	•	408-1660 X --	•	•
16	400	C-905 17.40	16	1	406-1740 X --	•	•	408-1740 X --	•	•
16 - 18	400 - 450	17.30 - 18.88	16	1	406-1888 X --	•	•	408-1888 X --	•	•
18	450	C-905 19.50	18	1	406-1950 X --	•	•	408-1950 X --	•	•
18 - 20	450 - 500	20.50 - 21.50	18	1	406-2125 X --	•	•	408-2125 X --	•	•
20	500	C-905 21.60	20	1	406-2160 X --	•	•	408-2160 X --	•	•
20	500	21.35 - 22.60	20	1	406-2260 X --	•	•	408-2260 X --	•	•
24	600	23.75 - 25.25	20	1	406-2525 X --	•	•	408-2525 X --	•	•
24	600	C-905 25.80	20	1	406-2580 X --	•	•	408-2580 X --	•	•
24	600	25.50 - 26.50	20	1	406-2650 X --	•	•	408-2650 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

**How To Order**

1. Determine O.D. of pipe, outlet size and thread type.
2. Select desired saddle type and tap order code.
3. Look under saddle listing to determine order number. Add tap code after base catalog number.

**Example:** For 6" C.I. Pipe with O.D. of 6.90 with 1" IP thread, order: 406-0745 x 08IP.  
 For electro galvanized straps, order: 408-0745 x08IP

Conversion of U.S./Metric dimensions are approximate; application pipe diameter and range to be verified by the end user.