

# JCM 425 Service Saddle for Concrete Steel Cylinder Pipe

**Service Saddle for 3/4" through 2" Taps and Connections on Concrete Steel Cylinder Pipe, Reinforced Concrete Pipe, Large Diameter Cast Iron and Ductile Iron.**

The JCM 425 Service Saddle is specifically designed for making safe, dependable taps into Concrete Steel Cylinder Pipe and Concrete Coated Steel Pipe. The threaded outlet, available in sizes 3/4" through 2" IP or CC, provides critical reinforcement to branch connections for service lines. These saddles can also be used to install air and vacuum valves, pitot tubes, injection lines and other equipment.

The following are important features and benefits this saddle offers:

\*Provides critical reinforcement of pipe prior to removal of the prestress wire from the outlet area. This is a required feature to maintain pipe integrity on larger taps and many small taps. The separate bolt-in outlet makes possible this essential installation step.

\*The adjustable outlet accommodates variation in concrete coating from no coating to a thickness of 1-1/8". Special outlets are available for embedded cylinder pipe and thicker coatings of concrete.

\*High and low pressure performance are assured by a broad, pressure-activated gasket. Permanently set in a retaining cavity, the contoured gasket produces a positive initial seal which increases with increases in line pressure.



For coating thickness of 1-1/8" or less.



For coating thickness of over 1-1/8".  
Outlet for Embedded Cylinder Pipe. Prices upon request.

## 425 SERVICE SADDLE FOR CONCRETE STEEL CYLINDER PIPE

NOM. PIPE SIZE (IN.)	CONCRETE O.D. RANGE (IN.)	STEEL CYLINDER O.D.* RANGE (IN.)	CATALOG NUMBER X TAP CODE	APPROX. WT. EA. (LBS.)
16	19.25 - 20.15	17.25 - 20.15	425-2015 X --	50
18	21.75 - 22.75	19.50 - 22.75	425-2275 X --	50
20	23.64 - 24.65	21.70 - 24.65	425-2465 X --	50
24	27.62 - 29.15	25.75 - 29.15	425-2915 X --	50
30	33.88 - 35.75	31.88 - 35.75	425-3575 X --	60
36	39.75 - 41.00	37.75 - 41.00	425-4100 X --	70
36	41.50 - 43.00	40.50 - 43.00	425-4300 X --	70
42	45.75 - 47.25	43.75 - 47.25	425-4725 X --	85
42	48.00 - 49.50	46.00 - 49.50	425-4950 X --	85
48	51.50 - 53.00	49.50 - 53.00	425-5300 X --	100
48	55.38 - 56.50	53.40 - 56.50	425-5650 X --	100

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

\*Longer outlet bolts are required for making taps on pipe with less than 1/4" coating

## MATERIAL SPECIFICATIONS - JCM 425 SERVICE SADDLE FOR CONCRETE STEEL CYLINDER PIPE

- BODY, OUTLET, WASHERS:** Ductile Iron ASTM A536
- OUTLET BOLTS:** Corrosion resistant, high strength low alloy (AWWA C-111, ANSI A21.11)
- STRAPS:** Steel per ASTM A-36. Optional Stainless Steel 18-8 Type 304.
- GASKET:** Buna-N compounded for use with water, salt solutions, mild acids, bases, gas.
- COATING:** Heavy coating of corrosion resistant shop coat primer. Optional Fusion Epoxy Coating available.



## Grout Diapers for Service Saddles

These diapers make the recommended grouting of the service saddle a very quick procedure. Diapers are 11" wide with two 5/8" straps and are constructed of one layer of Typar backed by a 6 mil ply of polyethylene film. Order by pipe size.

### GROUT DIAPERS

SADDLE SIZE
16" - 24"
30" - 36"
42" - 48"