

## JCM 414 Fabricated Mechanical Joint Tapping Sleeve

The JCM 414 Fabricated Mechanical Joint Tapping Sleeve is recommended for taps on pipe that will not accommodate a direct top seal tapping sleeve. The 414 utilizes a true mechanical joint sleeve design that completely encompasses the tap area, eliminating any potential leaks due to pipe cracks or breaks. Side gaskets are internally and externally trapped in a recessed groove machined into the bolting lug bars that completely compress the gaskets creating the watertight seal on the sides of the sleeve. The end gaskets are compressed into the sleeve housing with mechanical joint pusher glands, providing the water tight seal on the ends of the sleeve and completing the full encapsulation of the tap area.

**High Strength Steel** eliminates stress cracked casting or flange possibility.

**Side And End Gaskets** provide complete seal around the pipe.

**Fabricated Sleeves** provide more strength with significantly reduced weight than a cast sleeve. The lighter sleeve reduces the load on the pipe and aids in installation and handling. For applications in corrosive environments, the JCM 414 is available fabricated in all stainless steel.

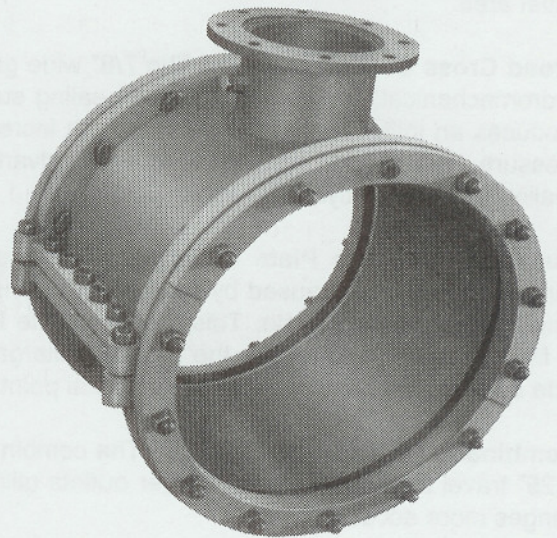
**Accommodates Non-Standard Pipe Characteristics** - Oversize, undersize or irregularities in the pipe O.D. can be accommodated within the fitting increasing performance and safety factor. The JCM 414 is available in larger sizes, non-standard sizes and with many special options (special flanges, special laying lengths, etc.)

**Improved Availability** - Fabricated sleeves with non-standard sizes have a delivery schedule of three to five weeks, significantly less than a cast sleeve's six to nine months.

### How To Order

For pricing and engineering, the following information must be furnished:

- Type of pipe
- Outside diameter of pipe
- Irregular or non-standard pipe characteristics
- Line contents and pressure
- Outlet Size (14" and larger, furnish manufacturer of valve and cutter size)
- Coating and hardware
- Material requirements - options
- Special requirements



### JCM 414 Fabricated Mechanical Joint Tapping Sleeve - Material Specifications:

- Body:** ASTM 283 Grade C or ASTM A-36 Steel. Optional Stainless Steel 304 or 316.
- Flange:** AWWA C207 Class D, ANSI 150 lb. Drilling, recessed for tapping valve MSS-SP60. Other flanges available.
- Pusher Gland:** ASTM A-36 or Ductile Iron. Optional Stainless Steel 304 or 316.
- Bolts:** Corrosion resistant, high strength low alloy (AWWA C-111, ANSI A21.11). Optional Stainless Steel available.
- Gasket:** Compounded for use with water, salt solutions, mild acids and bases.
- Coating:** Heavy coat of corrosion resistant shop coat primer which is an excellent base for bitumastic coal tar or similar field coatings. Optional Fusion Epoxy Coating available.

**JCM 414 Mechanical Joint Tapping Sleeves are Priced on Application. For quotation, contact the JCM Inside Sales Team at 1-800-527-8482 or 1-903-832-2581.**