

T-28 TAPPING SLEEVE

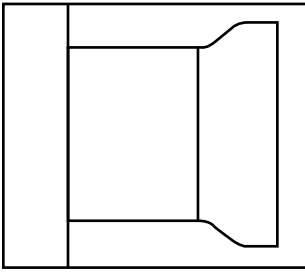
DUCTILE IRON DUAL COMPRESSION SEAL



FOR WATER & WASTEWATER, FIRE PROTECTION

VALVE &
HYDRANT
DIVISION





T-28 TAPPING SLEEVE



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Overview

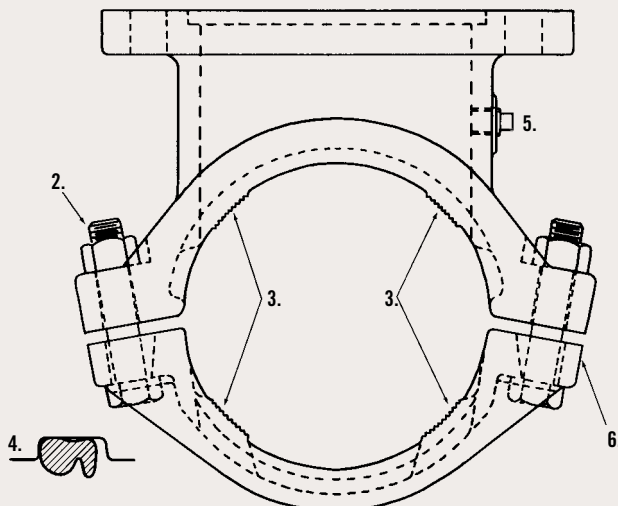
The T-28 Dual Compression Seal Tapping Sleeve is the answer to the problem of tapping gray or Ductile Iron pipe under pressure.

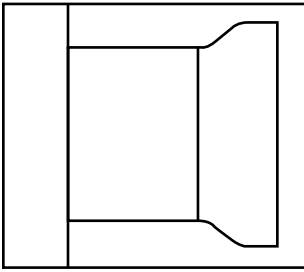
Here's why this sleeve is your best choice:

1. Dual Compression Tapping Sleeve made of Ductile Iron is substantially lighter and easier to handle than conventional tapping sleeves. Assembly and installation on the pipe line is fast and simple. A socket wrench is the only tool required.
2. Bolts are 304 stainless steel, a minimum of six bolts per sleeve.
3. When the sleeve is in final position, cast-on contact pads brought into engagement with pipe provide a supporting and locking action that prevents slippage and rolling of the sleeve on the pipe line.
4. Dual Compression Gasket sealing surfaces ensure a tight seal over a wide pressure range. Labyrinth lip seal prevents gasket rolling and protects primary seal.
5. The 3/8" N.P.T. test plug allows pre testing of the sleeve assembly.
6. Angled side flanges ensure self-centering of back to outlet half of sleeve.
7. Ductile Iron contour-flex design accommodates rough and irregular pipe. The short laying length of this sleeve and the ability to tighten bolts from the outlet side permit installation in minimum dimension excavations.
8. The Dual Compression Tapping Sleeve can be used on all classes of pipe through Class D pit cast gray iron dimensions. Separate back halves for CD pipe are not required.
9. Epoxy coating on all surfaces of the sleeve both inside and outside is standard.

Range of pipe diameters T-28 will fit:

6"	6.90"—7.10"	O.D.
8"	9.05"—9.30"	O.D.
10"	11.10"—11.40"	O.D.
12"	13.20"—13.50"	O.D.
16"	17.40"—17.80"	O.D.





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Installation Instructions

Preparation for Installation

Allow minimum of 8" from underside of pipe to bottom of trench. Brush and clean entire pipe surface for 18" in length where sleeve will be mounted. Brush and clean sealing gasket groove in outlet half of sleeve.

Figure 1.

Disassemble sleeve. Illustration shows back half and front half of sleeve (sealing gasket in place), bolts and socket wrench.

Figure 2.

Snap sealing gasket into groove on outlet half of sleeve. Spread light application of water-soluble lubricant over exposed gasket surface (to permit easy rotation of sleeve into position for tap).

Figure 3.

Place outlet half of sleeve on top of pipe with test plug located opposite the side in which tap will be made. Place back half of sleeve beneath pipe, directly under outlet half.

Figure 4.

Lift back half of sleeve to engage pipe, pass one bolt from below through each side flange, join lower and upper sections and take up nuts finger tight. Assemble balance of bolts and take up finger tight.

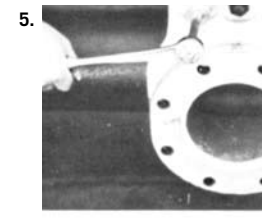
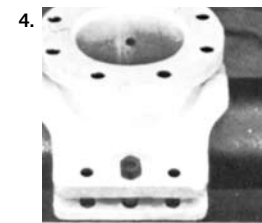
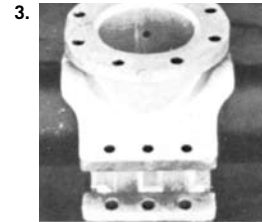
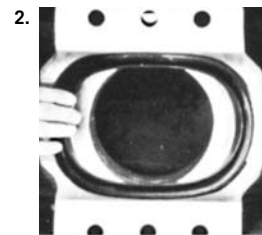
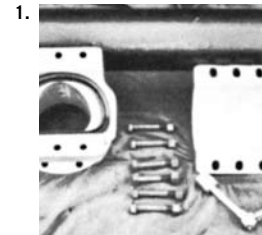
Figure 5.

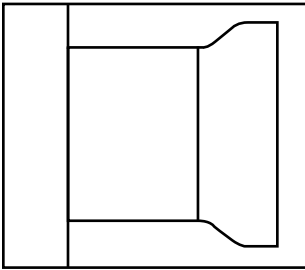
Rotate sleeve 90° to side on which tap will be made and position so outlet flange is perpendicular. Tighten bolts on flanges alternately and uniformly using socket wrench and extension. Tightening torque for ¾" bolt is 130 ft. lbs.; for 1" bolt 300 ft.lbs.

Figure 6.

Raised pads between bolts prevent bolts from rotating when nuts are tightened.

NOTE: After the tapping valve is attached, the sleeve and valve assembly must be properly supported by permanent blocking. It is also important to provide adequate temporary blocking to support the tapping machine. Tapping sleeve and valve assembly should be tested before making the tap. Remove test plug on sleeve and fill cavity with water. Connect test piping and test to pressure required.



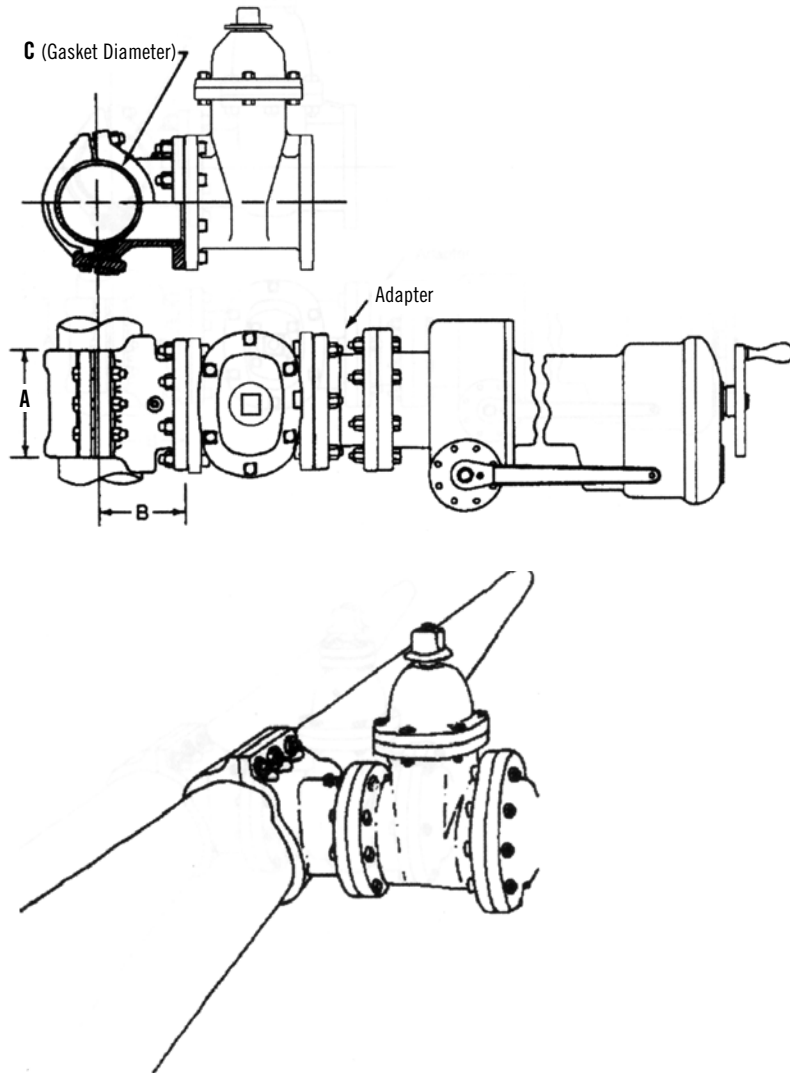


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Typical Arrangement With Tapping Valve, Adapter and Tapping Machine



SIZE Inches	A Inches	B Inches	C Inches
6 X 3	9	7-1/16	9-1/2
6 X 4	9	7-1/4	9-1/2
6 X 6	9	7-5/16	9-1/2
8 X 3	9	8-7/16	9-1/2
8 X 4	9	8-7/16	9-1/2
8 X 6	9	8-7/16	9-1/2
8 X 8	12	8-9/16	12-1/2
10 X 3	9	9-3/8	9-1/2
10 X 4	9	9-9/16	9-1/2
10 X 6	9	9-5/8	9-1/2
10 X 8	12	9-7/8	15-3/4
10 X 10	12	10	15-3/4
12 X 3	9	10-5/16	9-1/2
12 X 4	9	10-1/2	9-1/2
12 X 6	9	10-9/16	9-1/2
12 X 8	12	10-11/16	12-1/2
12 X 10	15-1/2	11-1/4	18-3/4
12 X 12	15-1/2	11-1/4	18-3/4
16 X 3	9	13-1/16	9-1/2
16 X 4	9	13-1/4	9-1/2
16 X 6	9	13-5/16	9-1/2
16 X 8	15-1/2	13-7/16	18-3/4
16 X 10	15-1/2	13-9/16	18-3/4
16 X 12	15-1/2	13-9/16	18-3/4

Note: If available, a power operated machine can be used.

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