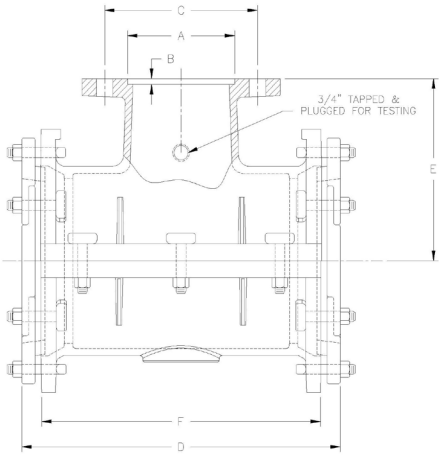
☐ Domestic

24U — MECHANICAL JOINT TAPPING SLEEVE FOR DUCTILE IRON, CAST IRON AND C900 PVC

Revised 2/2025 (Current revisions for the noted Standards apply)

SIZES:	6"–12" PVC/ductile pipe per ANSI/AWWA C900 or C151 and cast iron pipe as provided. Comes with 4"–12" side flanged outlet & 3/4" tap on the branch.
STANDARDS:	Mechanical and *Flanged joints comply with applicable requirements of ANSI/AWWA C153/21.53 and ASME/ANSI B16.1. Ductile iron Mechanical Joint Tapping Sleeves are produced in accordance with Tyler Union manufacturer's standard. ***Note:** Recess dimensions are per manufacturer's standardization society standard practice SP-60. Meets the requirements of MSS SP-111.
MATERIAL:	Cast of ASTM A536 qualified ductile iron. Date code is cast on and required for traceability.
PRESSURE RATING:	Rated at 250 psi.
DEFLECTION:	Deflection is not recommended.
GASKETS:	SBR Mechanical Joint and Split gaskets are per ASTM D2000 – AA and ANSI/AWWA C111/21.11, armor tipped with coiled brass wire spring.
NSF-61 & NSF372:	Meets all requirements, including Annex G, Tyler Union's Underwriters Laboratory listing MH16439.
ASPHALT COATING:	Per ANSI/AWWA C104/A21.4 and ANSI/AWWA C153/A21.53.
CEMENT LINING:	Tapping Sleeves are unlined to ensure they fit over the pipe being tapped.
FLANGE:	ASME/ANSI B16.1, Class 125.
FASTENERS:	High-strength low-alloy weathering steel per ANSI/AWWA C111/A21.11 and ASTM A242.
INSTALLATION:	Install per Tyler Union instructions below.



NOMINAL JOINT DIMENSIONS IN INCHES								
Size (In.)	A	B	C	D	E	F	PIPE OD RANGE	DI
6x4	5.016	0.250	7.50	15.75	8.00	12.75	6.85 - 7.15	104
6	7.016	0.312	9.50	15.75	8.00	12.75	6.85 - 7.15	108
8x4	5.016	0.250	7.50	16.50	9.00	13.38	9.00-9.35	134
8x6	7.016	0.312	9.50	16.50	9.00	13.38	9.00-9.35	140
8	9.016	0.312	11.75	16.50	9.00	13.38	9.00-9.35	148
10x4	5.016	0.250	7.50	24.00	11.00	20.75	11.04-11.45	236
10x6	7.016	0.312	9.50	24.00	11.00	20.75	11.04-11.45	240
10x8	9.016	0.312	11.75	24.00	11.00	20.75	11.04-11.45	246
10	11.016	0.312	14.25	24.00	11.00	20.75	11.04-11.45	257
12x4	5.016	0.250	7.50	26.50	12.00	23.25	13.14-13.56	273
12x6	7.016	0.312	9.50	26.50	12.00	23.25	13.14-13.56	286
12x8	9.016	0.312	11.75	26.50	12.00	23.25	13.14-13.56	292
12x10	11.016	0.312	14.25	26.50	12.00	23.25	13.14-13.56	303
12	13.016	0.312	17.00	26.50	12.00	23.25	13.14-13.56	320

INSTALLATION

1. Clean pipe, insert side gasket into back half of gasket grooves. Make sure ends are flush with or slightly protrude into the end gasket seating area.
2. Bolt sleeve halves together and trim side gaskets, as necessary. MAKE SURE SLEEVE WILL ROTATE FREELY ON PIPE.
3. Install end gaskets, locating cut ends 90° from side gasket. If pipe is maximum OD, stretch gasket to make certain cut ends match with no gap in between.
4. Install glands and bolts — rotate sleeve to desired position. Be sure pipe is centered inside the sleeve.
5. Tighten gland bolts alternately, using 80 to 90 ft-lb.
6. After assembly, **pressure test all joints before tapping**. If additional tightening is required, release pressure and relax tension on gland bolts before tightening side bolts.

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