



Wide Range Tapping Sleeve

All Stainless Steel

663WR



Description: All stainless-steel wide range tapping sleeve with 360° gasket seal.

Application: For tapping size-on-size or reducing branch connections on new or existing pipes.

Key Features:

- Light weight and easy to install.
- Wide range helps to reduce inventory covering multiple pipe types within a nominal diameter.
- Meets applicable AWWA C223 Standards
- Molded-in ring in the gasket to ensure effective sealing.
- Nylon washers are provided to improve bolt torque capability.
- Heavy gauge, all-Stainless-Steel body for rugged performance.
- Fully passivated for maximum corrosion protection.
- ¾" test outlet to allow hydrostatic pressure test before tapping the pipe.
- 360° seal provides maximum support and reinforcement around the pipe in case of pipe break.
- Body drawn to accept the outlet neck adding to the overall strength of the area under the most stress.

Materials Specifications (subject to change)

BODY: Full circumference band. 18-8 type 304 Stainless Steel

FLANGES: AWWA C228 Class SD, ANSI 150# drilling. Recessed for Tapping Valve Per MSS-SP 60. 18-8 type 304 Stainless Steel flange. *Optional: Other types of Flanges, threaded outlets, MJ Outlets*

GASKET: Nitrile (Buna-N NSF/ANSI 61/372 certified to resist water, oil, acids, alkalies, most aliphatic hydrocarbon fluids, and many chemicals. Temperatures up to 180°F

BOLTS, NUTS & WASHERS: 18-8 Type 304 Stainless Steel heavy hex nuts, stud bolts & washers. Nuts and studs are coated to prevent galling.

Working Pressure:

4" – 12" nominal pipe size(s) = 240 psi / 300 psi

Pipe Applications: Carbon Steel, Stainless Steel, Cast Iron, Asbestos Cement, PVC, HDPE, Ductile Iron

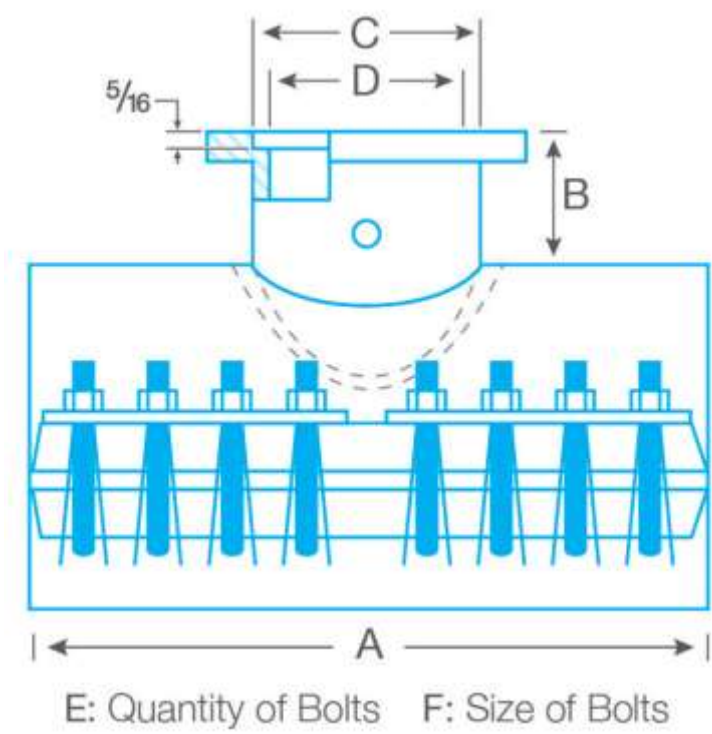
Sizes: 4"-12" Nominal with 4"-12" Outlets

NOTE: See Specification Sheet for HDPE and PVC application details.

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Tapping Sleeve Specification

OUTLET SIZE	NOMINAL BODY SIZE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E	F (IN.)
4	4	15	5	5 1/16	4 1/4	8	5/8
	6-12	15	5	5 1/16	4 1/4	8	5/8
6	6	15	5	7 1/16	6 5/16	8	5/8
	8-12	15	5	7 1/16	6 5/16	8	5/8
8	8	20	5	9 1/16	8 5/16	10	5/8
	10-12	20	5	9 1/16	8 5/16	10	5/8
10	10	25	5	11 3/32	10 1/4	16	5/8
	12	25	5	11 3/32	10 1/4	16	5/8
12	12	25	5	13 3/32	12 1/4	16	5/8

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Nominal Size	FLANGE OUTLET	OD RANGE (INCHES)	663WR STAINLESS STEEL FLANGE	APPROX WEIGHT EACH LBS.
4	4	4.45-5.14	663WR-040400-200	34
	4	4.75-5.45	663WR-040400-2AC	34
6	4	6.56-7.36	663WR-060400-000	40
	6		663WR-060600-200	44
	4	6.83-7.63	663WR-060400-0AC	40
	6		663WR-060600-2AC	44
8	4	8.54-9.34	663WR-080400-000	44
	6		663WR-080600-000	49
	8		663WR-080800-200	66
	4	8.99-9.79	663WR-080400-0AC	44
	6		663WR-080600-0AC	49
	8		663WR-080800-2AC	66
10	4	10.64-11.54	663WR-100400-000	49
	6		663WR-100600-000	53
	8		663WR-100800-000	75
	10		663WR-101000-200	80
	4	11.34-12.24	663WR-100400-0AC	49
	6		663WR-100600-0AC	53
	8		663WR-100800-0AC	75
	10		663WR-101000-2AC	80
12	4	12.62-13.57	663WR-120400-000	53
	6		663WR-120600-000	57
	8		663WR-120800-000	78
	10		663WR-121000-000	85
	12		663WR-121200-200	115
	4	13.44-14.39	663WR-120400-0AC	53
	6		663WR-120600-0AC	57
	8		663WR-120800-0AC	78
	10		663WR-121000-0AC	85
	12		663WR-121200-2AC	115

For MJ Outlets, replace the last two 00s in the middle eight digits with MJ. Example: 663WR-1204MJ-000