



452 All Stainless Steel Tapping Sleeve with Outlet Seal Gasket

The 452 All Stainless Steel Tapping Sleeve incorporates the heavy duty design of the fabricated steel tapping sleeve with the corrosion resistance of all stainless steel. This heavy design utilizes a broad cross section, hydromechanical outlet gasket in lieu of the full body gasket. This outlet gasket provides a positive seal which increases with increase in line pressure. The 452 has been engineered for installations requiring higher working pressure, higher safety factor or longer service life than standard all stainless or cast iron sleeves and manufactured to provide the superior corrosion resistance in applications on mains which are not subject to beam breaks.

Heavy all stainless tapping sleeves offer extra benefits.

All Stainless Construction - All stainless steel construction provides extra corrosion resistance. The stainless steel flange, outlet and body join as one unit of similar metals to assure the highest structural strength and long term corrosion resistance.

Heavy Duty Design - Heavier construction and thicker metal provide extra reinforcement of the pipe and outlet. The extra bolting power and body thickness eliminate problems inherent with light weight sleeves.

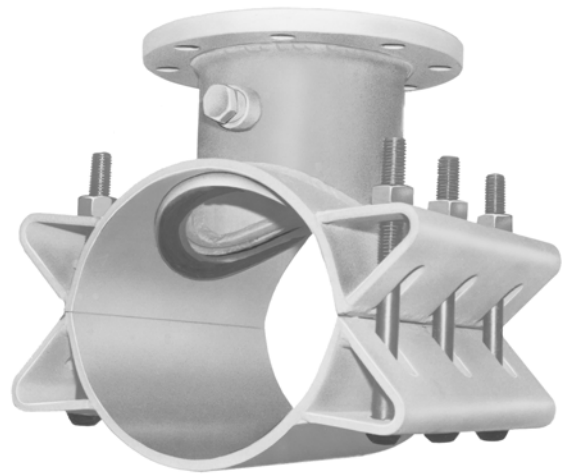
High Pressure Capability - High Safety Factor - The broad, heavy hydromechanical gasket provides for high working pressure applications. They are also ideal for critical problem prone taps such as pump and lift stations, large diameter mains and large outlets.

Large Sizes - High Pressure - The premier sleeve for larger sizes of ductile iron, PVC, PE and steel pipe. High pressure sleeves are available on request.

Stronger - Yet Lighter Than Cast Sleeves - Reduced weight aids in installation and handling as well as reducing load on the pipe.

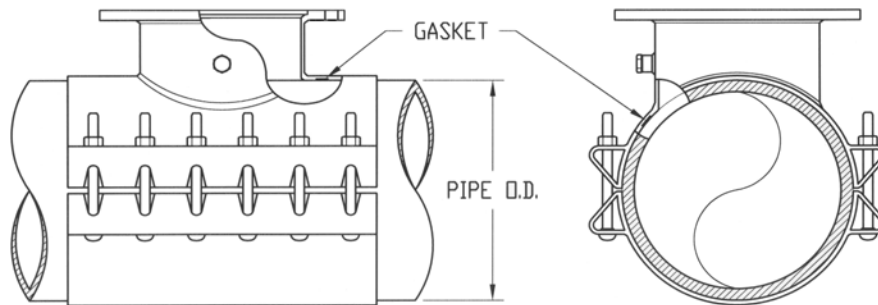
Extra Wide for Support and Stability - Extra width and heavier neck and body material provide extra reinforcement of the outlet and extra stability during the tapping process.

Affordable - These all stainless sleeves are surprisingly affordable in all sizes. Larger sleeves are priced less than ductile iron mechanical joint sleeves which offer less corrosion resistance and pressure capability.



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The 452 All Stainless steel Tapping Sleeve is especially recommended for applications large diameters, high working pressures and fluctuating line pressures in corrosive or acidic environments. Direct compression of the gasket provides maximum sealing capability for high or fluctuating pressures.



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HOW TO ORDER

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

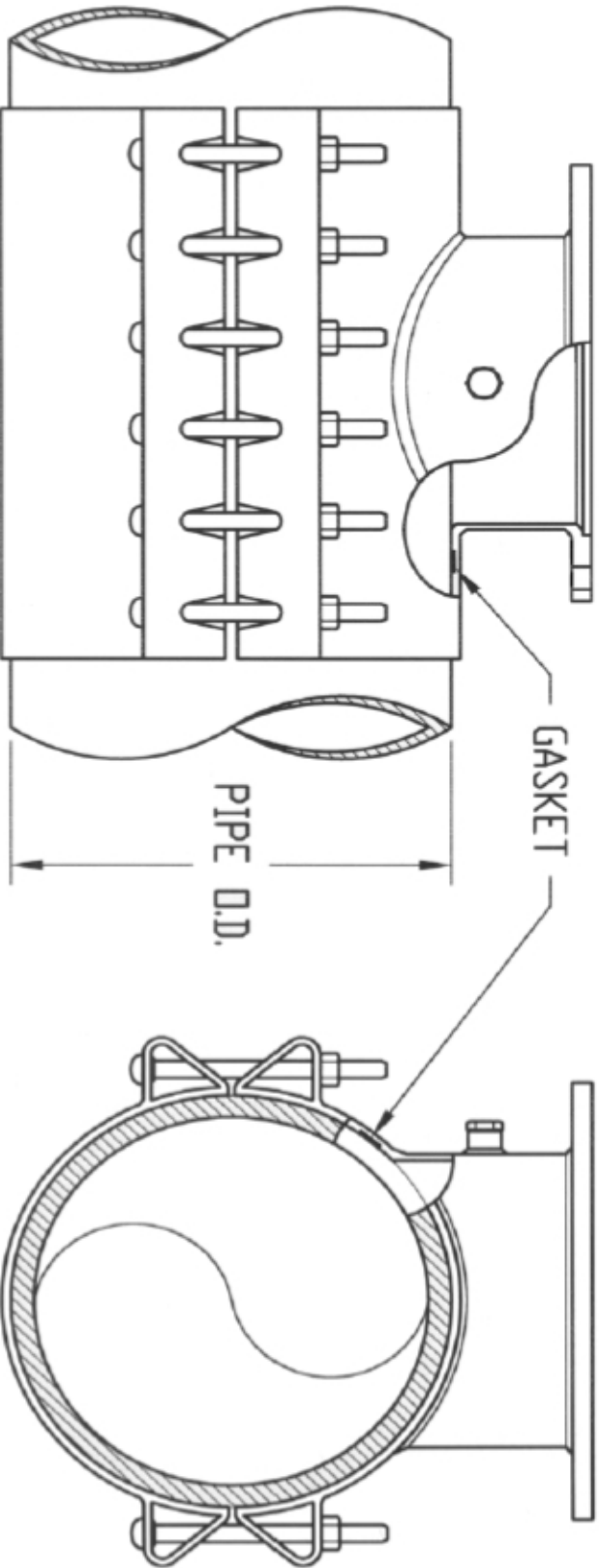
Type of pipe	Outside diameter of pipe
Irregular or non-standard pipe characteristics	Line contents
Outlet size, (14" and larger furnish manufacturer of valve and cutter size)	Working and Test Pressure requirements

452 All Stainless Steel Tapping Sleeve - Typical Specification

Tapping Sleeve shall be of the high pressure type having a wide body, made of corrosion resistant 304 stainless steel, which conforms to and reinforces the pipe. The sleeves shall have a Buna-N gasket with a hydromechanical activated lip captured in a recessed groove around the outlet, replaceable stainless steel bolts (18-8 type 304) nuts and washers. Stainless tapping sleeve shall be furnished with a 3/4" stainless steel test plug in the test outlet. Flanged outlets shall be indexed per MSS-SP60 to accept tapping valve. Tapping sleeve shall be ANSI/NSF Standard 61 Certified. Tapping Sleeve shall 452 or approved equal.

452 All Stainless Steel Tapping Sleeve - Material Specification

BODY:	Stainless Steel 18-8 Type 304. Optional 316 Stainless Steel.
BOLTS:	Stainless Steel 18-8 Type 304. Optional 316 Stainless Steel.
FLANGE:	CF8 Cast Stainless Steel or equivalent 304 Stainless Steel. Flange outlets shall be indexed per MSS-SP60 to accept tapping valve. Optional 316 Stainless Steel.
GASKET:	Compounded for use with water, salt solutions, mild acids and bases.
SERVICE RATING:	4" - 12" Outlets: 175 PSI. Service rating of 250 PSI or higher available with specified flange.



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