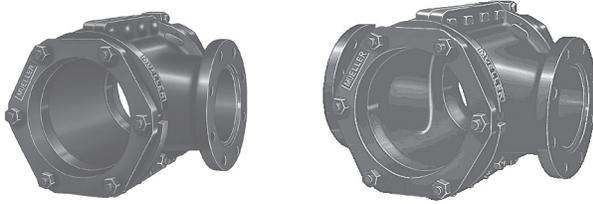


## FIRE PROTECTION PRODUCTS

### Mueller® Tapping Sleeves and Crosses



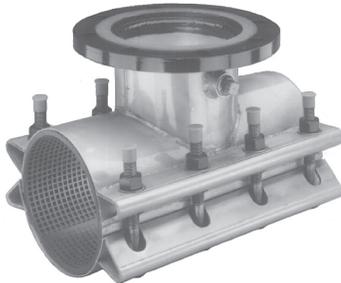
- Full range of Tapping Sleeves and Crosses to fit most types of pipe including cast iron, ductile iron, A-C, and cast iron O.D. PVC--Also outlet sealed Tapping Sleeves for cast iron O.D. PVC plastic pipe and all classes of ductile iron and cast iron pipe through Class D pit cast iron.
- Sizes range from 4"x4" to 24"x24".
- All sleeves have outlet flange with dimensions and drilling that comply with ANSI B16.1, class 125 and B16.42 class 150, and with MSS SP-60.
- Available with optional Mueller HP® Epoxy Coating A-C sleeves are coated with orange primer.
- Maximum working pressures: see product listings.

### Mueller Tapping Valves



- Resilient Wedge Gate Valve sizes 4" through 24" (UL Listed, FM Approved)
- One end flanged with alignment lip to attach to Tapping Sleeve, other end available with a variety of end connections with a special flange to permit attachment of Drilling Machine and Adapter.
- Meets all applicable parts of ANSI/AWWA C500, C509, or C515 Standards.
- Non-rising stem (NRS).
- RWGV: maximum UL/FM working pressure:  
4"-1/2" 350 psig (2400 kPa/24 barg) - test pressure;  
700 psig (4800 kPa/48 barg).  
14"- 16" 250 psig (1725 kPa/17 barg)  
18"- 24" UL Listed 175 psig (1200 kPa/12 barg); FM Approved 250psig (1725 kPa/17 barg)

### Mueller Stainless Steel Tapping



- Sizes to fit iron pipe size PVC, C900 cast iron O.D. PVC, A-C, cast iron and ductile iron pipe.
- Sizes range from 4"x4" through 24"x12".
- Test plug standard.
- Fully passivated.
- Choice of outlet flange materials include stainless steel, carbon steel, or ductile iron. All with dimensions and drilling that compl with ANSI B16.1 Class 125 and with MSS SP-60.
- H-304 "Waffle" 360° gasket with integral gap bridge.
- Maximum working pressures: see product listings.

### Mueller Cut-In Sleeve and Valve



- Mueller Cut-In Sleeve and Valve are used to install a gate valve in an existing cast iron, ductile iron, or cast iron O.D. PVC plastic pipe main when water interruption is permissible.
- Cut-In Sleeves are marked with length of pipe that is to be cut from main.
- Mechanical Joint ends speed installation.

Mueller tapping sleeves, cut-in sleeves and crosses meet applicable AWWA Standards. Currently, there are no UL listings nor standards for these products.

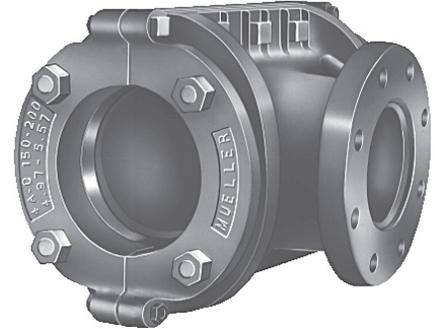
**TAPPING SLEEVES  
& CROSSES**

Mueller tapping sleeves, cut-in sleeves and crosses meet applicable AWWA Standards. Currently, there are no UL listings nor standards for these products.

**H-619** Mechanical Joint Tapping Sleeve with Duck Tipped End Gaskets.

- Maximum Working Pressure: 200 psig (1375 kPa/ 14 barg)
- Suitable for use with Asbestos-Cement Pipe in the following O.D. Range.

Nominal Main Size	Range	Sizes*
4" O.D.	4.97"-5.57"	4"x4"
6" O.D.	7.05"-7.60"	6"x4" / 6"x6"
8" O.D.	9.22"-9.79"	8"x4" / 8"x6" / 8"x8"
10" O.D.	11.77"-12.25"	10"x4" / 10"x6" / 10"x8" / 10"x10"
12" O.D.	14.03"-14.51"	12"x4" / 12"x6" / 12"x8" / 12"x10" / 12"x12"



**IMPORTANT** – Actual diameter of AC Pipe varies between manufacturers and from piece to piece, therefore, it is important to measure the pipe diameter to insure proper fit of these sleeves—especially in the 4", 6", and 8" sizes. Out-of-round AC Pipe can often be reduced. All such work should be done in compliance with Pipe Manufacturers' Recommendations.

\*First number is size of Main, second is size of the side outlet of Sleeve or Cross.

**H-615** 4"-24" - Mechanical Joint Tapping Sleeve with Duck Tipped End Gaskets.

- H-615 maximum working pressure 4"-12" main sizes - 250 psig (1725 kPa/17 barg)

**H-616** 10"-24" - Mechanical Joint Tapping Sleeve with Plain Rubber End Gaskets.

- H-616 maximum working pressure 10"-24" main sizes - 200 psig (1375 kPa/14 barg)

**H-715** 4"-24" - Mechanical Joint Tapping Cross with Duck Tipped End Gaskets.

- H-715 maximum working pressure 4"-12" main sizes - 200 psig (1375 kPa/14 barg); 14"-24" 150 psig (1100 kPa/11 barg)

- H-615 and H-715 are suitable for use on the following:

- 4"-8" cast iron classes 100, 150, 200 & A-all classes; Ductile iron - cast iron O.D. PVC plastic pipe classes 150 & 200 or cast iron classes B, C, & D - A-C classes 100 & 150. Please specify pipe type when ordering.
- 10"-12" cast iron classes 150, 200, 250, A & B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 & 200
- 14"-24" cast iron classes 50, 100, 150, 200, 250, A & B - all classes ductile iron

H-616 is suitable for use on AWWA Classes C & D cast iron pipe and ANSI classes 150-250 cast iron pipe, the 4" and 6" sizes are also suitable for use with AWWA class B cast iron pipe.

Sizes\*: 4"x4", 6"x4", 6"x6", 8"x4", 8"x6", 8"x8", 10"x4", 10"x6", 10"x8", 10"x10", 12"x4", 12"x6", 12"x8", 12"x10", 12"x12", 14"x14", 16"x4", 16"x6", 16"x8", 16"x10", 16"x12", 16"x14", 18"x4", 18"x6", 18"x8", 18"x10", 18"x12", 20"x4", 20"x6", 20"x8", 20"x10", 20"x12", 20"x14", 24"x4", 24"x6", 24"x8", 24"x10", 24"x12", 24"x14"

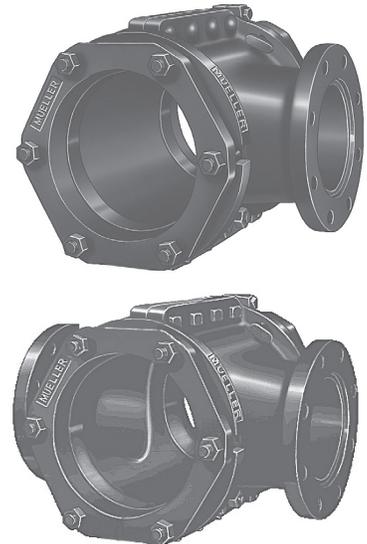
**NOTE**

H-615 and H-616 (H-715) described above are the same except for the end gaskets. One mechanical joint sleeve of a nominal size with two sets of end gaskets will fit all classes of pipe listed. If there is any question as to the class of pipe with which the sleeve is to be used, we recommend ordering and stocking both sets of end gaskets for each sleeve.

\*The first number is size of main, second is size of side outlet of sleeve.

**ORDERING INSTRUCTIONS FOR TAPPING SLEEVES**

Specify: Quantity, Nominal Size of Main, Type and Class of Main, Circumference or O.D. of Main, Size of Outlet, and Catalog Number.



### FIRE PROTECTION PRODUCTS

**I-2361-16** Flanged x Mechanical Joint Ends  
Indicator Post Style Stuffing box  
2" Square Operating Nut  
**With Mechanical Joint accessories\***

- 4", 6", 8", 10" and 12" sizes
- UL 262 listed and FM 1120/1130 approved and certified to ANSI/NSF 61 & 372
- Ductile Iron body and bonnet with nominal 10 mils Mueller® Pro-Gard™ Fusion Bonded Epoxy Coated interior and exterior surfaces
- Non-rising stem (NRS)
- Rubber encapsulated iron wedge

**I-2361-19** Flanged x Mechanical Joint Ends  
Indicator Post Style Stuffing box  
2" Square Operating Nut  
**Less Mechanical Joint accessories**

- 350psig (2400 kPa/24 barg) maximum working pressure, 700psig (4800 kPa/48 barg) static test pressure
- Triple O-ring seal stuffing box (2 above the thrust collar and 1 below)
- Epoxy coating meets or exceeds ANSI/AWWA C550.
- FLanged end drilling complies with ANSI B16.1 class 125 and B16.42 class 150



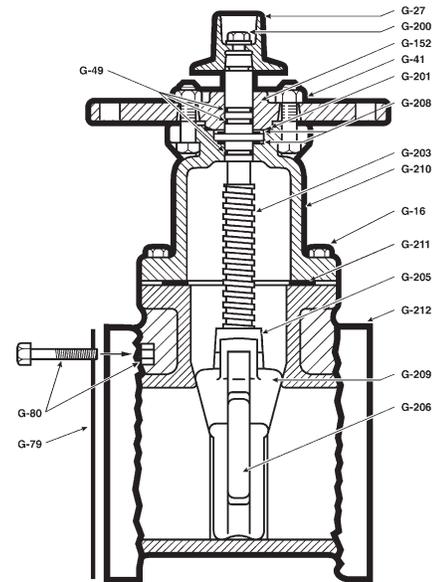
**I-2361-16 shown**  
(Shown less accessories)

#### Options

- Position indicators
- Stainless steel stem: Type 304 and Type 316
- EPDM disc and o-rings
- Low zinc, silicon bronze ASTM B98-C66100/H02 stem

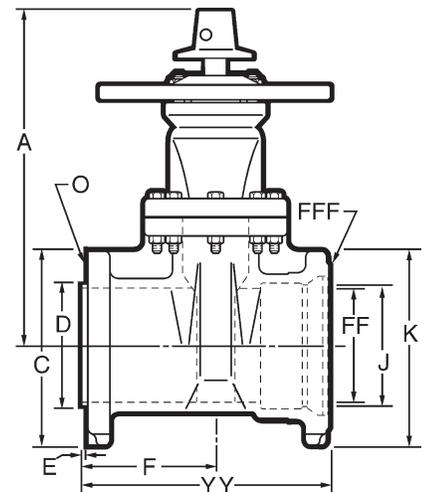
#### Parts List

Catalog Part Number	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	316 Stainless Steel	ASTM F593 (bolt)/ASTM F594 (nut)
G-27	Wrench Nut	Ductile Iron	ASTM A536 ▼
G-41	Stuffing Box Bolts and Nuts	316 Stainless Steel	ASTM F593 (bolt)/ASTM F594 (nut)
G-49	Stem O-rings (3)	Nitrile	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 ▼
G-200	Wrench Nut Cap Screw	316 Stainless Steel	ASTM F593
G-201	Stuffing Box Seal	Nitrile	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B584 Alloy C89833
G-206	Guide Cap Bearings	Acetal	-
G-208	Anti-friction Washers (2)	Acetal	-
G-209	Wedge/Rubber Encapsulated	Ductile Iron**	ASTM A536 ▼
G-210	Bonnet	Ductile Iron	ASTM A536 ▼
G-211	Bonnet Gasket	Nitrile	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 ▼



#### Dimensions

Dimension*	Size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
C	9.00	11.00	13.50	16.00	19.00
D	5.00	7.00	9.00	11.00	13.00
E	0.18	0.25	0.25	0.25	0.25
F	6.24	6.75	7.50	8.44	7.38
J	4.80	6.90	9.05	11.10	13.20
K	9.12	11.12	13.38	15.68	17.94
O (number and size of holes for FL)	8--.75"	8--.88"	8--.88"	12--1.00"	12--1.00"
FF	4.30	6.30	8.30	10.30	12.30
YY	9.81	11.43	12.46	14.31	14.87
FFF (number and size of holes for MJ)	4--.88"	6--.88"	6--.88"	8--.88"	8--.88"
Turns to open	14	20.5	26.5	33	38.5
Weight (lbs.)*	87	144	207	330	428



NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.  
See page B-1-22 for ordering instructions.

+ MJ accessories are included and palletized separately from valves.

\*All dimensions are in inches. All weights are in approximate pounds.

\*\* Fully encapsulated in molded rubber with no iron exposed.

▼ Material strength ASTM A536 65-45 minimum

**N.R.S. RESILIENT WEDGE  
GATE VALVES FLANGED ENDS**



**I-2361-19** FLANGED X MECHANICAL JOINT ENDS  
Indicator Post Style Stuffing box  
2" Square Operating Nut

- 14", 16", 18", 20" and 24" sizes
- UL 262 Listed, FM 1120/1130 Approved, and certified to ANSI/NSF 61 & 372
- Iron body with Mueller® PRO-GARD® Fusion Bonded Epoxy Coated interior and exterior surfaces
- Non-rising bronze stem
- Rubber encapsulated iron wedge
- 14"-16" 250psig (1725 kPa/17 barg) maximum working pressure, 500psig (3450 kPa/35 barg) hydro static test
- 18"-24" UL Listed 175psig (1200 kPa/12 barg) maximum working pressure, FM Approved 250psig (1725 kPa/17 barg), 500psig (3450 kPa/35 barg) hydro static test
- Triple O-ring seal (2 above the thrust collar and 1 below)
- Epoxy coating meets or exceeds all applicable requirements ANSI/AWWA C550
- Flanged end drilling complies with ASME/ANSI B16.1 Class 125
- Meets or exceeds all applicable requirements of ANSI/AWWA C515



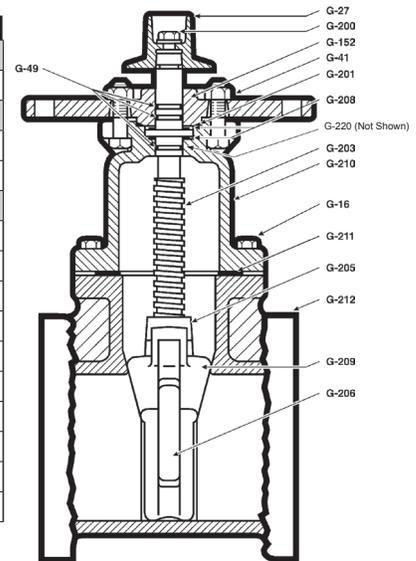
**I-2361-19 shown**

**Options**

- Stainless steel stem: Type 304 and Type 316
- ASTM B98-C66100/H02 stem
- EPDM disc and o-rings (14"-16 option and 18"-24" standard)

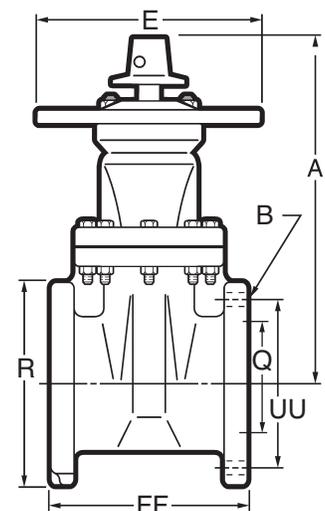
**Parts List**

Catalog Part Number	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	316 stainless steel	ASTM F593 (bolt) F594 (nut)
G-27	Wrench Nut	Cast Iron++	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	316 stainless steel	ASTM F593 (bolt) F594 (nut)
G-49	Stem O-rings (3)	Nitrile+	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 ▼
G-200	Wrench Nut Cap Screw	316 stainless steel	ASTM F593
G-201	Stuffing Box Seal	Nitrile+	ASTM D2000
G-203	Stem	Bronze	ASTM B138***
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Acetal	-
G-208	Anti-friction Washers (2)	Brass	ASTM B21
G-209	Wedge, Rubber Encapsulated	Ductile Iron**+	ASTM A536 ▼
G-210	Bonnet	Ductile Iron	ASTM A536 ▼
G-211	Bonnet O-ring	Nitrile+	ASTM D2000
G-220	Bonnet Bushings (18"-24")	Brass	ASTM B62
G-212	Body	Ductile Iron	ASTM A536 ▼



**Dimensions**

Dimension*	Size				
	14"	16"	18"	20"	24"
A	32.75"	37.88"	44.19"	48.25"	53.88"
R	21.00"	23.50"	25.00"	27.50"	32.00"
FF	15.06"	16.06"	17.00"	18.00"	20.00"
E	12.00"	12.00"	12.00"	12.00"	12.00"
Q (bore)	14.38"	16.00"	18.35"	20.38"	24.38"
UU	18.75"	21.25"	22.75"	25.00"	29.50"
B (number and size of holes)	12-1.125"	16-1.125"	16-1.25"	20-1.25"	20-1.35"
Turns to open	43.5	49	57	63	75
Weight (lbs.)*	659	841	1298	1640	2488



See page B-1-18 for ordering instructions.

\*All dimensions are in inches. All weights are in approximate pounds.

\*\* Fully encapsulated in molded rubber with no iron exposed.

\*\*\* 18" - 24" ASTM B584

+ 14"-16", 18"-54" EPDM ASTM D2000

++ Manufacturer's option to upgrade material to Ductile iron ASTM A536

▼ Material strength ASTM A536 65-45 minimum

## FIRE PROTECTION PRODUCTS

### I-2362-19 AquaGrip x Flanged Ends Indicator Post Style Stuffing Box 2" Square Wrench Nut

- 4", 6", 8", 10", 12" sizes
- Meets or exceeds all applicable requirements of UL 262 and FM 1120/1130 specifications and certified to ANSI/NSF 61 & 372
- Flanged end drilling comply with ANSI B16.1 Class 125
- Ductile Iron body and bonnet with nominal 10 mils Mueller® Pro-Gard™ Fusion Bonded Epoxy Coated interior and exterior surfaces
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard.
- Rubber encapsulated iron wedge
- Non-rising stem (NRS)
- Triple O-ring seal stuffing box (2 upper and 1 lower O-rings)
- 350psig (2400 kPa/24 barg) maximum working pressure, 700psig (4800 kPa/48 barg) static test pressure
- FLanged end drilling complies with ANSI B16.1 class 125 and B16.42 class 150



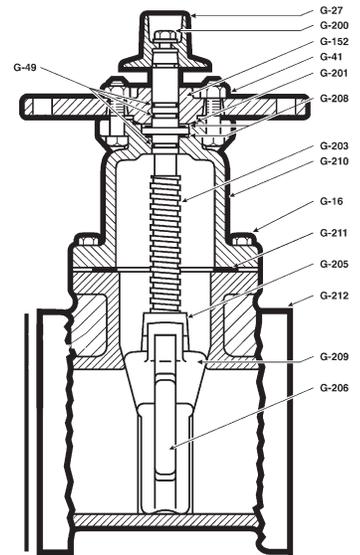
### Options

- Stainless steel stem: Type 304 and Type 316
- Low zinc, silicon bronze ASTM B98-C66100/H02 stem
- EPDM disc and o-rings

### Parts List

Catalog Part Number	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	316 Stainless Steel	ASTM F593 (bolt)/ASTM F594 (nut)
G-27	Wrench Nut	Ductile Iron	ASTM A536 ▼
G-41	Stuffing Box Bolts and Nuts	316 Stainless Steel	ASTM F593/ASTM F594
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 ▼
G-200	Wrench Nut Cap Screw	316 Stainless Steel	ASTM F593
G-201	Stuffing Box Seal	Nitrile	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B584 C89833
G-206	Guide Cap Bearings	Acetal	-
G-208	Anti-friction Washers (2)	Acetal	-
G-209	Wedge/Rubber Encapsulated	Ductile Iron**	ASTM A536 ▼
G-210	Bonnet	Ductile Iron	ASTM A536 ▼
G-211	Bonnet Gasket	Nitrile	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 ▼

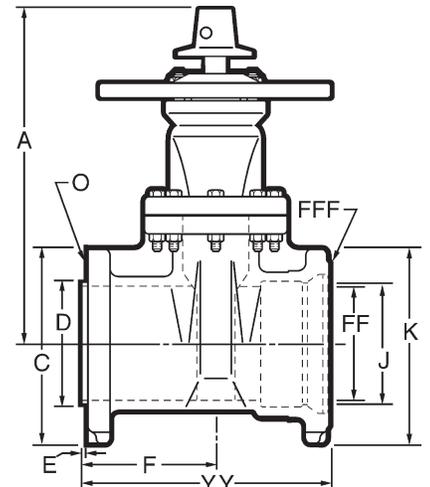
**I-2361-19**  
(Shown less accessories)



### Dimensions

Dimension*	Size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
C	9.00	11.00	13.50	16.00	19.00
D	5.00	7.00	9.00	11.00	13.00
E	0.18	0.25	0.25	0.25	0.25
F	6.24	6.75	7.50	8.44	7.38
J	4.80	6.90	9.05	11.10	13.20
K	9.12	11.12	13.38	15.68	17.94
O (number and size of holes for FL)	8--.75"	8--.88"	8--.88"	12--1.00"	12--1.00"
FF	4.30	6.30	8.30	10.30	12.30
YY	11.91	13.00	14.75	15.80	15.58
FFF (number and size of holes for MJ)	4--.88"	6--.88"	6--.88"	8--.88"	8--.88"
Turns to open	14	20.5	26.5	33	38.5
Weight (lbs.)*	117	172	265	399	529

\*\* Fully encapsulated in molded rubber with no iron exposed  
 ▼ Material strength ASTM A536 65-45 minimum  
 \* All dimensions are in inches. All weights are in approximate pounds.



SECTION  
**D-1**

Rev. 1-17

Shaded area indicates change

**STAINLESS STEEL  
TAPPING SLEEVE**

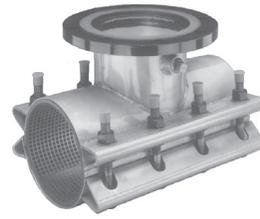


**UL / FM**

**FIRE PROTECTION PRODUCTS**

**H-304 - Stainless Steel Tapping Sleeve**

- Sizes-4"-24" main and outlet (see chart below for available size combinations).
- 304L Stainless steel, carbon steel, or ductile iron outlet flange which meets or exceeds all applicable requirements of ANSI B16.1, class 125 and in accordance with MSS-SP60; mechanical joint outlet fits directly on standard MJ connection (flange on sleeve outlet replaces MJ gland on connection.)
- Certified to ANSI/NSF 61.
- 3/4" NPT brass test plug (Stainless Steel optional).
- 4"-12" sizes--250 psig (1725 kPa/17 barg) maximum working pressure.
- 14"-24" sizes--200 psig (1375 kPa/14 barg) maximum working pressure.



H-304SS shown



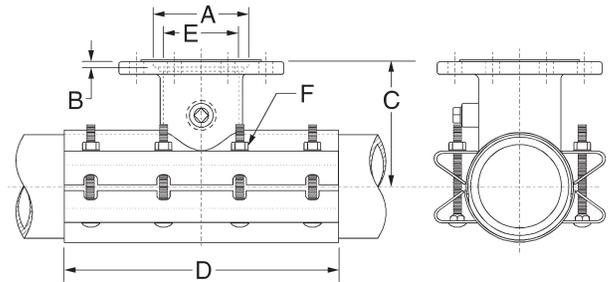
H-304MJ shown

**How to determine a Mueller Tapping Sleeve Part Number**

Select the appropriate numbers from the pipe information chart that follows.  
Example: For 6"x6" with 7.30-7.50 O.D. Range and stainless steel flange  
Resulting Part No. **0606H304SS0750**

Main size	Outlet size	Model number	Flange material	Maximum O.D.
06	06	H-403 *	SS **	0750

\* H-304 is constant for all Mueller Stainless Steel Tapping Sleeves listed here.  
\*\* SS = stainless steel, CS = carbon steel, DI = ductile iron



**Sleeve O.D. Range**

Nominal Pipe Size	Outlet Flange	Sleeve O.D. Range (inches)
4"	4"	4.50 - 4.90
		4.80 - 5.00
6"	4", 6"	6.59 - 6.99
		6.89 - 7.30
		7.10 - 7.50
		7.40 - 7.80
8"	4", 6"	7.90 - 8.30
		8.62 - 9.06
		9.04 - 9.45
		9.20 - 9.60
10"	4", 6", 8"	9.60 - 10.00
		9.90 - 10.30
		10.73 - 11.13
		11.05 - 11.45
12"	4", 6", 8", 10"	11.70 - 12.10
		12.00 - 12.40
		12.50 - 12.90
		13.16 - 13.56
14"	4", 8", 10", 12"	13.60 - 14.09
		14.10 - 14.58
		12.50 - 12.90
		13.16 - 13.56
16"	4", 6", 8", 10", 12"	13.60 - 14.09
		14.10 - 14.58
		17.40 - 17.80
		17.54 - 17.94
18"	4", 6", 8", 10", 12"	17.85 - 18.25
		18.15 - 18.55
		18.60 - 19.00
		19.30 - 19.70
20"	4", 6", 8", 10", 12"	19.70 - 20.10
		21.40 - 21.80
		21.90 - 22.30
		22.30 - 22.70
24"	4", 6", 8", 10", 12"	23.30 - 23.70
		23.80 - 24.10
		25.60 - 26.00

Size	Main Outlet	Outlet Flange Dimensions (in.)		Sleeve Dimensions (in.)			Bolts Per Side
		A	B	C	D	E	
4"	4"	5.0315	.25	7.00	15.00	4.00	4
6"	4"	5.0315	.25	7.50	15	4.50	4
6"	6"	7.0315	.31	8.00	15	4.50	4
8"	4"	5.0315	.25	8.50	15	4.50	4
8"	6"	7.0315	.31	9.00	15	6.50	4
8"	8"	9.0315	.31	9.50	18	8.00	6
10"	4"	5.0315	.25	10.00	15	4.50	4
10"	6"	7.0315	.31	10.50	15	6.50	4
10"	8"	9.0315	.31	11.00	18	8.50	6
10"	10"	11.0315	.31	11.50	24	10.00	8
12"	4"	5.0315	.25	12.00	15	4.50	4
12"	6"	7.0315	.31	12.00	15	6.50	4
12"	8"	9.0315	.31	12.00	18	8.50	6
12"	10"	11.0315	.31	12.00	24	10.50	8
12"	12"	13.0315	.31	12.00	30	12.00	8
14"	4"	5.0315	.25	13.63	15	4.50	4
14"	6"	7.0315	.31	13.63	15	6.50	4
14"	8"	9.0315	.31	13.63	18	8.50	6
14"	10"	11.0315	.31	13.63	24	10.50	8
14"	12"	13.0315	.31	13.63	30	12.50	8
16"	4"	5.0315	.25	14.59	15	4.50	4
16"	6"	7.0315	.31	14.59	15	6.50	4
16"	8"	9.0315	.31	14.59	18	8.50	6
16"	10"	11.0315	.31	14.59	24	10.50	8
16"	12"	13.0315	.31	14.59	30	12.50	8
18"	4"	5.0315	.25	16.00	15	4.50	4
18"	6"	7.0315	.31	16.00	15	6.50	4
18"	8"	9.0315	.31	16.00	18	8.50	6
18"	10"	11.0315	.31	16.00	24	10.50	8
18"	12"	13.0315	.31	16.00	30	12.50	8
20"	4"	5.0315	.25	16.88	15	4.50	4
20"	6"	7.0315	.31	16.88	15	6.50	4
20"	8"	9.0315	.31	16.88	18	8.50	6
20"	10"	11.0315	.31	16.88	24	10.50	8
20"	12"	13.0315	.31	16.88	30	12.50	8
24"	4"	5.0315	.25	19.00	24	4.50	8
24"	6"	7.0315	.31	19.00	24	6.50	8
24"	8"	9.0315	.31	19.00	24	8.50	8
24"	10"	11.0315	.31	19.00	24	10.50	8
24"	12"	13.0315	.31	19.00	30	12.50	10

Mueller tapping sleeves, cut-in sleeves and crosses meet applicable AWWA Standards. Currently, there are no UL listings nor standards for these products.

†With MJ option, this flange is replaced by an integral SS outlet pipe extension and MJ gland welded permanently in place allowing the sleeve to bolt directly to the outlet of any standard MJ valve. Dimensions for MJ option are compatible with standard connections, and A and B dimensions in chart do not apply.

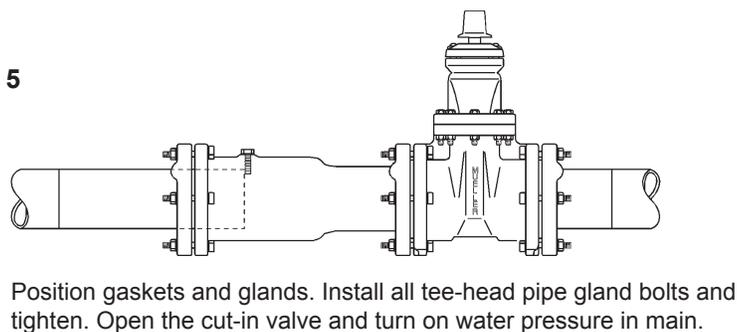
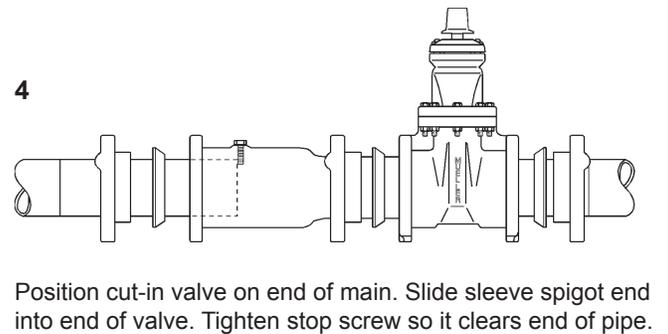
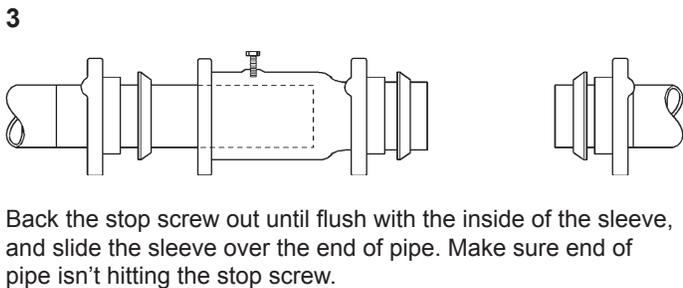
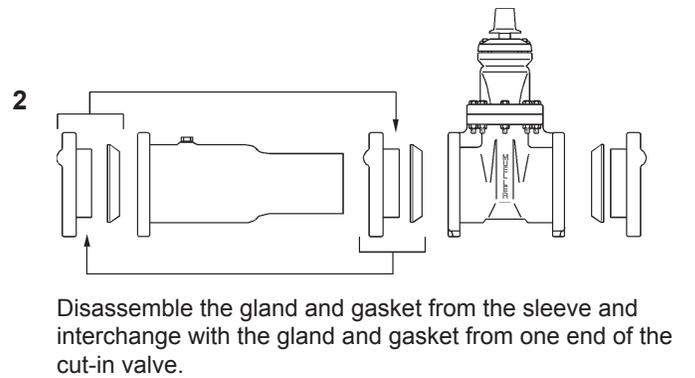
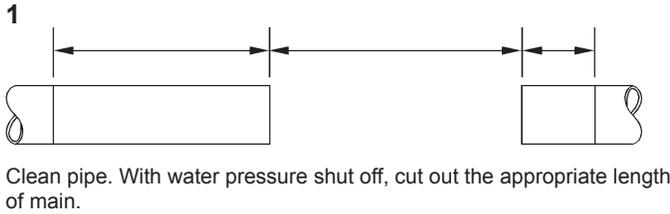
## FIRE PROTECTION PRODUCTS

- H-840** cut-in sleeve with duck-tipped gasket
- H-842** cut-in sleeve with duck-tipped gasket and bonding set screws in gland
- H-841** cut-in sleeve with plain rubber gasket
- H-843** cut-in sleeve with plain rubber gasket and bonding set screws in gland

- Sizes—4", 6", 8", 10", and 12"
- Cast iron construction
- Spigot end corresponds to class 150 ductile iron pipe
- Sleeves are marked with dimensional information to show how much of existing main must be removed for installation of sleeve and valve.
- 200 psig (1375 kPa/14 barg) maximum working pressure



### Fast, simple installation



Mueller tapping sleeves, cut-in sleeves and crosses meet applicable AWWA Standards. Currently, there are no UL listings nor standards for these products.

SECTION  
**D-1**

Rev. 5-18

Shaded area indicates change

**RESILIENT WEDGE CUT-IN  
VALVES WITH D-150 M.J. ENDS**



**UL / FM**

**FIRE PROTECTION PRODUCTS**

- C-2362-44 D-150**      mechanical joint ends  
with accessories and duck tipped rubber gaskets
- C-2362-45 D-150**      mechanical joint ends  
with accessories and plain tipped rubber gaskets
- C-2362-54 D-150**      mechanical joint ends  
with accessories and duck tipped rubber gaskets  
and bonding set screws in gland
- C-2362-55 D-150**      mechanical joint ends  
with accessories and plain tipped rubber gaskets  
and bonding set screws in gland

- Sizes-- 4", 6", 8"
- Meets or exceeds all applicable requirements of ANSI/AWWA C509 Standard and is certified to ANSI/NSF 61 & 372
- Iron body with nominal 10 mils Mueller® Pro-Gard™ Fusion Bonded Epoxy Coated interior & exterior surfaces
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard
- Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron
- Non-rising stem (NRS)
- Triple O-ring seal stuffing box (2 above the thrust collar & 1 below)
- 2" square wrench nut - open left or open right
- 4" - 8" sizes--350 psig (2400 kPa/24 barg) maximum working pressure,  
700 psig (4800 kPa/48 barg) static test pressure



**C-2362-44 shown**  
D-150 M.J. accessories  
shipped unassembled

**Options**

- Stainless steel stem: Type 304 and type 316
- Low zinc, silicon bronze ASTM B98-C66100/H02 stem
- EPDM disc and o-rings
- Handwheel



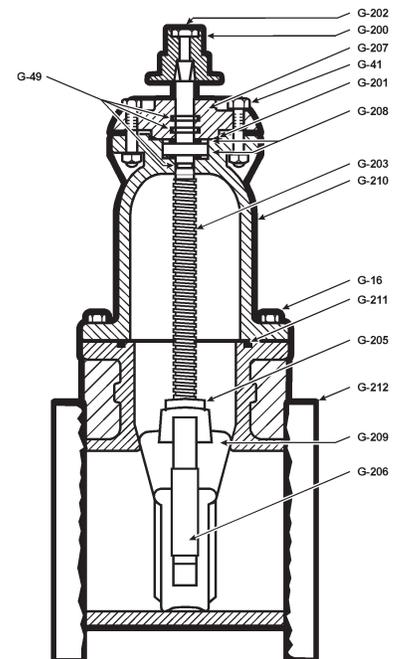
**Rubber**  
Cross section of duck  
tipped rubber gasket.



**Rubber**  
Cross section of plain  
tipped rubber gasket.

**Parts List**

Catalog Part Number	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	316 Stainless Steel	ASTM F593 (bolt)/ASTM F594 (nut)
G-41	Stuffing Box Bolts and Nuts	316 Stainless Steel	ASTM F593 (bolt)/ASTM F594 (nut)
G-49	Stem O-rings (3)	Nitrile	ASTM D2000
G-200	Wrench Nut Cap Screw	316 Stainless Steel	ASTM F593
G-201	Stuffing Box Seal	Nitrile	ASTM D2000
G-202	Wrench Nut	Ductile Iron	ASTM A536 ▼
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel (not shown)	Cast Iron +	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B584
G-206	Guide Cap Bearings	Acetal	-
G-207	Stuffing Box	Ductile Iron	ASTM A536 ▼
G-208	Anti-friction Washers (2)	Acetal	-
G-209	Wedge/Rubber Encapsulated	Ductile Iron	ASTM A536 ▼
G-210***	Bonnet	Ductile Iron	ASTM A536 ▼
G-211***	Bonnet Gasket	Nitrile	ASTM D2000
G-212***	Body	Ductile Iron	ASTM A536 ▼

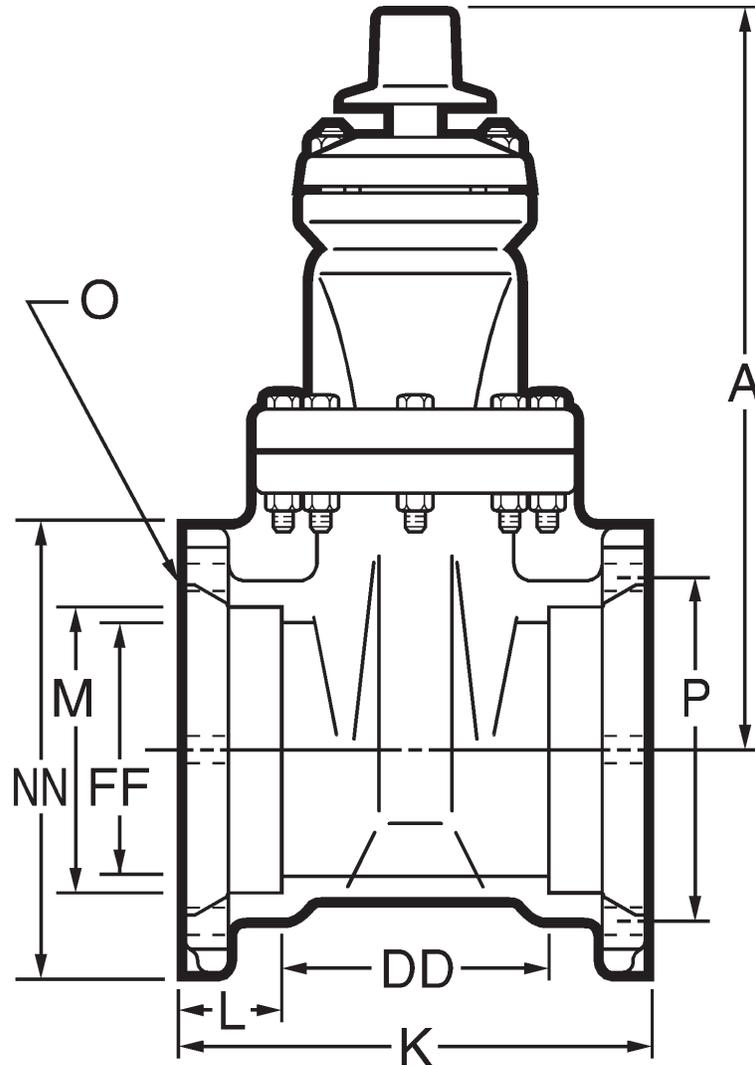


\*\*Fully encapsulated in molded rubber with no iron exposed

\*\*\*Previous to 1999 these parts on 4"-8" valves were designed with a gasket instead of an O-ring and with additional bolts. Confirm the type of seal when ordering a replacement gasket or O-ring.

+ Manufacturers option to change material to Ductile iron ASTM A536

▼ Material strength ASTM A536 65-45 minimum



### Dimensions

Dimension*	Nominal Size		
	4"	6"	8"
A	14.19	18.00	21.50
K	10.00	11.50	12.50
L	2.50	2.50	2.50
O (number and size of holes)	5.17	7.27	9.47
P (bolt circle diameter)	4--.88	6--.88	6--.88
DD	5.00	6.50	7.50
FF	4.30	6.30	8.30
NN	9.44	11.44	13.81
Turns to open	14	20.5	26.5
Weight (lbs.)*	120	186	280

\* All dimensions are in inches. All weights include accessories are in pounds and approximate.

TAPPING VALVES



**UL / FM**

**FIRE PROTECTION PRODUCTS**



**Reliable Connections™**

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