

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 steel pipe size O.D. PVC plastic pipe, steel pipe and all class of pipe through Class D pit cast gray iron.
- ❑ Sizes range from 4"x4" to 36"x30".
- ❑ All sleeves have outlet flange with dimensions and drilling that comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Available with optional MUELLER HP® Epoxy Coating-- A-C sleeves are coated with orange primer. T-28 sleeve has epoxy coating and 304SS nuts and bolts as standard.
- ❑ Maximum working pressures: see product listings.



MUELLER Tapping Valves

- ❑ Choice of Resilient Wedge or IBBM types.
- ❑ Sizes 4" through 24" Resilient Wedge 14" through 48" IBBM.
- ❑ 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 and C509 Standards.
- ❑ Non-rising stem (NRS).
- ❑ RWGV: maximum working pressure 250 psig (1723 kPa)--test pressure 500 psig (3447 kPa)
- ❑ IBBM: maximum working pressure 14"-24" 150 psig (1034 kPa)-- test pressure 300 psig (2068 kPa).



MUELLER Stainless Steel Tapping Sleeves

- ❑ 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 comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ "Waffle" 360° gasket with integral gap bridge.
- ❑ Maximum working pressures: see product listings.



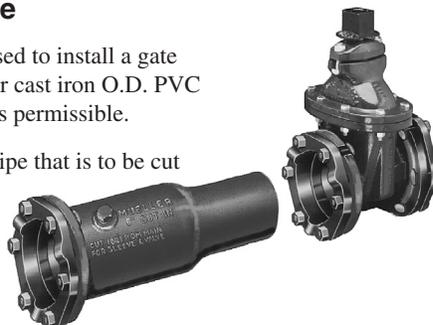
MUELLER® Split Repair Sleeves

- ❑ Heavy cast iron construction.
- ❑ Long length for support and rigidity.
- ❑ 4" thru 24" sizes.
- ❑ 4" - 12" sizes--200 psig (1379 kPa) maximum working pressure .
- ❑ 14" - 24" sizes--200 psig (1379 kPa) maximum working pressure.



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.



WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.

Rev. 5-08

Extra gaskets for Mueller Cut-in Valves

Mueller Cut-in Valves are furnished with one of two types of gaskets, either duck-tipped or plain rubber.

The type of gaskets furnished is determined by the valve catalog number selected.

Each type of gasket is for a specific type and class of pipe. In general for a given nominal size of pipe, duck-tipped gaskets are used with pipe having the smaller outside diameter, while plain rubber gaskets are used with pipe having the larger outside diameter.

For all Mueller Cut-in Valves of a given nominal size, the body and end glands are the same regardless of the type of gaskets furnished. Therefore, one valve with two sets of gaskets (one set each of duck-tipped and plain rubber) will fit all classes of pipe listed below. If there is any question as to the type of pipe involved when using a cut-in sleeve and cut-in valve, **we recommend ordering and stocking cut-in valves with duck-tipped gaskets and separate plain rubber gaskets for each valve.**

Duck-tipped gaskets for Mueller® Cut-in Sleeves and Valves

Duck-tipped gaskets must be used with the following pipe:

Centrifugally cast pipe, classes 50-250

ANSI A21.6 AWWA C106

ANSI A21.8 AWWA C108

Pit cast pipe, classes 50-250

ANSI A21.8 AWWA C102

Ductile iron pipe, classes 50-56

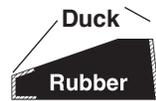
ASNI A21.51 AWWA C151

Cast iron pipe, AWWA Specification, class A and 8", 10" and 12" class B

Cast iron, old AGA Standard

Federal Specifications WW-P-421, classes 150 and 250

Cast iron O.D. PVC pipe, class 200 AWWA C900



Cross section of duck tipped rubber

Duck-tipped gaskets

Gasket part number	Pipe size*	Approximate pipe O.D.	Approximate pipe circumference
194732	4"	4.80"	15-1/4"
194733	6"	6.90"	21-3/4"
194734	8"	9.05"	28-1/2"
194735	10"	11.10"	35"
194736	12"	13.20"	41-5/8"

*Nominal

Plain rubber gaskets for Mueller® Cut-in Sleeves and Valves

Plain rubber gaskets must be used with the following pipe:

Cast iron, AWWA Specifications, class C and D, and 4" and 6" class B



Cross section of plain tipped rubber

Plain rubber gaskets

Gasket part number	Pipe size*	Approximate pipe O.D.	Approximate pipe circumference
194738	4"	5.00"	15-7/8"
194739	6"	7.10"	22-1/2"
194740	8"	9.30"	29-3/8"
194741	10"	11.40"	36"
194742	12"	13.50"	42-5/8"

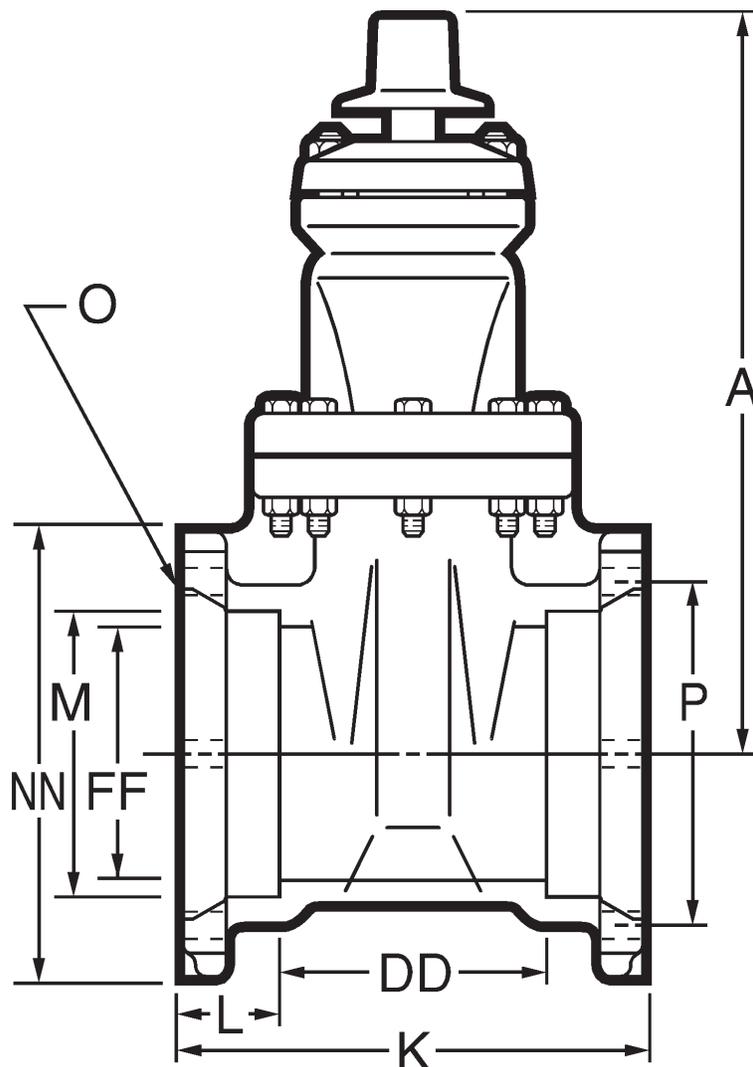
*Nominal

MUELLER® C-2360 RESILIENT WEDGE CUT-IN VALVE DIMENSIONS - D-150 M.J. X M.J. ENDS

Mueller Co.

12.27

Rev. 5-08



Dimensions

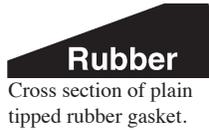
Dimension*	Nominal Size		
	4"	6"	8"
A	14.19	18.00	21.50
K	10.00	11.50	12.50
L	2.50	2.50	2.50
M	5.17	7.27	9.47
O (number and size of holes)	4--.88	6--.88	6--.88
P (bolt circle diameter)	7.75	9.75	12.125
DD	5.00	6.50	7.50
FF	4.30	6.30	8.30
NN	9.44	11.44	13.81
Turns to open	14	20.5	26.5
Weight*	120	186	280

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

MUELLER® C-2360 RESILIENT WEDGE CUT-IN VALVES WITH D-150 M.J. ENDS

- ❑ Catalog number--
 - C-2360-44** D-150 mechanical joint ends with accessories and duck tipped rubber gaskets†
 - C-2360-45** D-150 mechanical joint ends with accessories and plain tipped rubber gaskets†
 - C-2360-54** D-150 mechanical joint ends with accessories and duck tipped rubber gaskets† and bonding set screws in gland
 - C-2360-55** 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
- ❑ Iron body with nominal 10 mils MUELLER® Pro-Gard™ Fusion Epoxy Coated interior and exterior surfaces
- ❑ Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard and is certified to ANSI/NSF 61
- ❑ Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron
- ❑ Non-rising stem (NRS)
- ❑ Triple O-ring seal stuffing box (2 upper & 1 lower O-ring)
- ❑ 2" square wrench nut (optional handwheel available)--open left or open right
- ❑ 4" - 8" sizes--250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure

† See page 12.30 for extra gaskets and classes of pipe that cut-in valve will fit.



C-2360-44

D-150 M.J. accessories shipped unassembled

Options

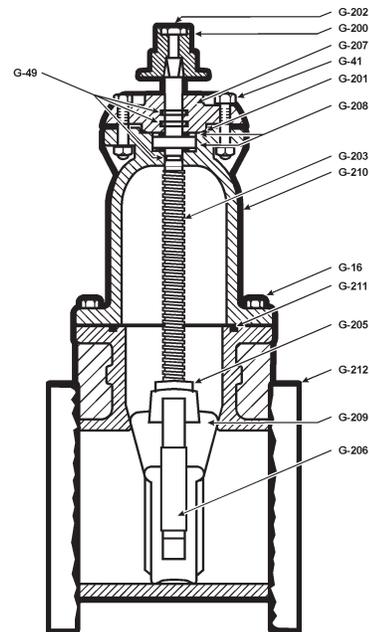
- ❑ Position indicators
- ❑ ASTM B98-C66100/H02 stem
- ❑ Stainless steel fasteners: Type 316
- ❑ Handwheel

Resilient Wedge Cut-In Valve Parts

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel (not shown)	Cast Iron	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-207	Stuffing Box	Cast iron	ASTM A126 CL.B
G-208	Anti-friction Washers (2)	Celcon	
G-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
G-210***	Bonnet	Cast Iron	ASTM A126 CL.B
G-211***	Bonnet Gasket	Rubber	ASTM D2000
G-212***	Body	Cast Iron	ASTM A126 CL.B

* 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.

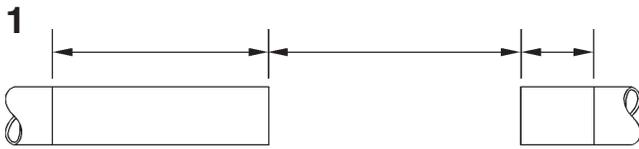


- ❑ Catalog numbers--
 - H-840** cut-in sleeve with duck-tipped gasket*
 - H-842** cut-in sleeve with duck-tipped gasket* and bonding set screws in gland
 - H-841** cut-in sleeve with plain rubber gasket*
 - H-843** cut-in sleeve with plain rubber gasket* and bonding set screws in gland
- ❑ Sizes--4",6",8",10", 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 (1379 kPa) maximum working pressure

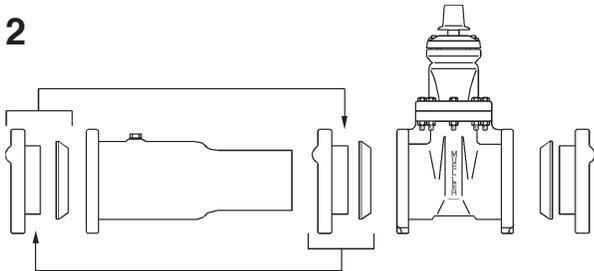
*See page 12.30 for extra gaskets and classes of pipe that cut-in sleeve will fit.



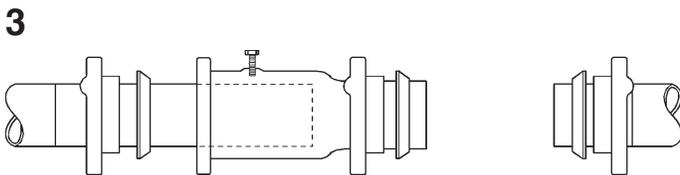
Fast, simple installation



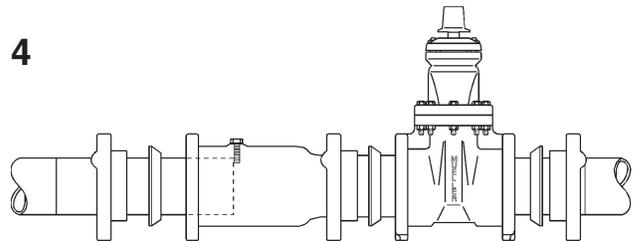
Clean pipe. With water pressure shut off, cut out the appropriate length of main.



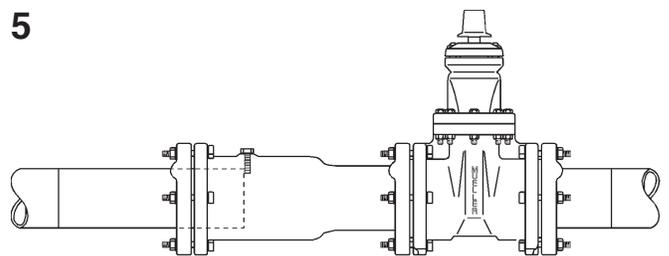
Disassemble the gland and gasket from the sleeve and interchange with the gland and gasket from one end of the cut-in valve.



Back the stop screw out until flush with the inside of the sleeve, and slide the sleeve over the end of pipe. Make sure end of pipe isn't hitting the stop screw.



Position cut-in valve on end of main. Slide sleeve spigot end into end of valve. Tighten stop screw so it clears end of pipe.



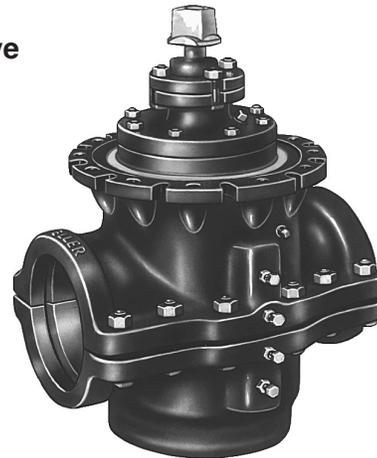
Position gaskets and glands. Install all tee-head pipe gland bolts and tighten. Open the cut-in valve and turn on water pressure in main.

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Discontinued Item

Please contact your Mueller Customer Service Representative for equipment and parts availability.

- Catalog number--
H-800 inserting valve
- Sizes--4", 6", and 8"



H-800

Inserting Valve basic equipment

Catalog number--

H-811--Basic equipment used with MUELLER CL-12 Drilling Machine

H-810--Basic equipment used with MUELLER CC-25 Drilling Machine

Discontinued Item

Please contact your Mueller Customer Service Representative for equipment and parts availability.

Basic equipment and weights

Catalog Number	Weight
H-811	700lbs.
H-810	700lbs.

Part	Part Numbers	
	H-811	H-810
Short adapter	80594	80594
Long adapter	80592	80592
Slide valve	83542	83542
Flange gasket	79740	79740
Flange washers	92576	92576
Flange bolts and nuts	36446	36446
Double end wrench (small)	96536	96536
Double end wrench (large)	58196	58196
Socket wrench (small)	33124	33124
Socket wrench (large)	33125	33125
Ratchet wrench	40233	40233
Ratchet brace	51963	51963
Hex wrench (short)	40327	40327
Hex wrench (long)	33113	33113
Boring bar socket	83780	80601
Guide supports	40280	40280
Grease	90968	90968
Pressure release valve	3/4" H-11055	3/4" H-11055



Short adapter



Slide valve



Double end wrenches



Grease



Ratchet brace



Long adapter



Socket wrenches



Long hexagon wrench



Ratchet wrench



Guide support



Flange bolt



Short hexagon wrench



Flange gasket



Flange washer



Pressure release valve

TAPPING VALVE ORDERING INSTRUCTIONS

To order Tapping Valves specify:

Quantity

If more than one size, specify quantity of each

Size

Nominal size of valve

Catalog number

Special catalog number suffix

See chart at bottom of page 10.68 if gearing, grease cases, by-pass valves or position indicators are required. The appropriate suffix number is added to the base catalog number.

Direction of opening

Specify open left (counter-clockwise) or open right (clockwise). Wrench nuts on valves that open to the right are painted red for identification purposes.

Method of operation

Non-rising valves are available with either a 2" square wrench nut or a handwheel. Handwheels are standard on flanged x flanged valves; all other NRS valves have a 2" square wrench nut as standard (24" also has bevel gearing). When ordering NRS valves, specify wrench nut or handwheel.

Special requirements

Contact MUELLER Customer Service Center with special requirements such as special paints or coatings, low zinc bronze stems, stainless steel fasteners etc.

Tapping Valve Repair Parts

To order repair parts specify size of valve, direction of opening, year date on body, catalog part number, catalog number of valve if known, and type of ends if ordering body.

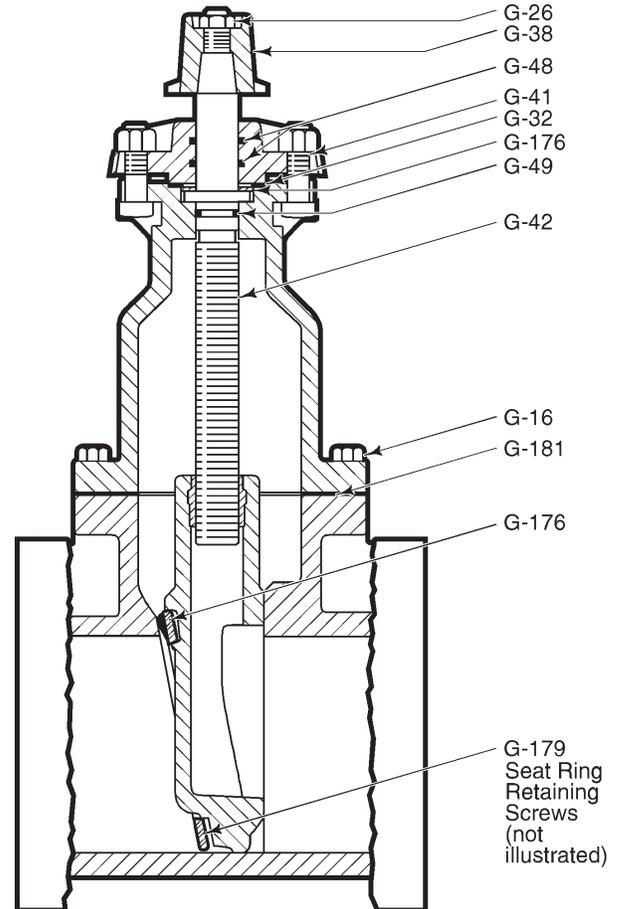
12.22 **Mueller Co.** MUELLER® SUPER-SEAL™ RESILIENT SEAT NRS TAPPING VALVE REPLACEMENT PARTS

Rev. 5-08

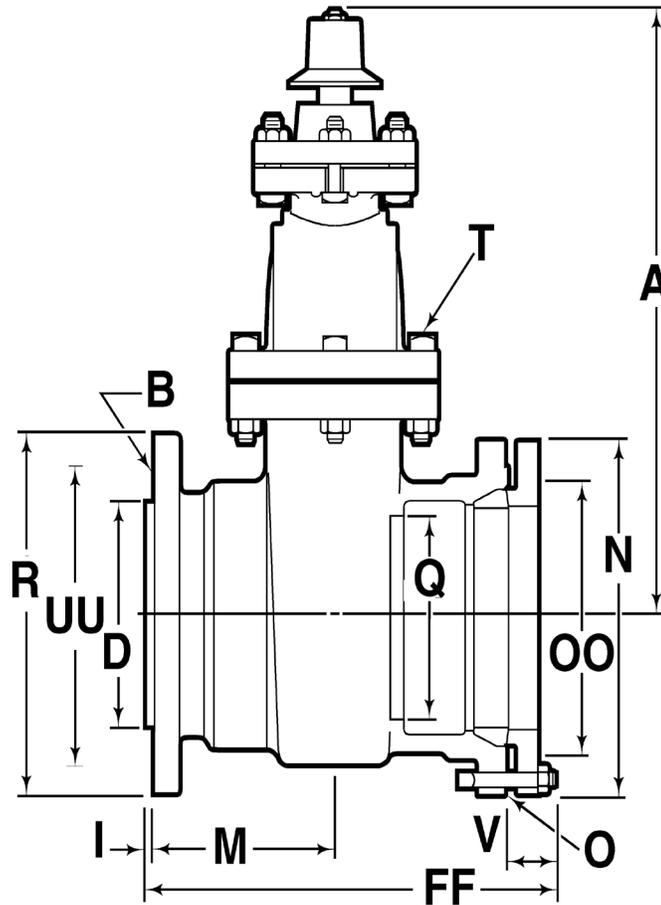
- ❑ Complete valves of this type are no longer available, only replacement parts are available.
- ❑ Catalog number--
H-687 mechanical joint x flanged end
- ❑ Sizes-- 4", 6", 8", 10", 12"

Resilient seat tapping valve parts

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet bolts & nuts	Steel	ANSI B18.2 plated
G-24	Test plug	Iron	
G-26	Nut for wrench nut	Steel	ANSI B18.2 plated
G-32	Stuffing box gasket	Fiber	
G-38	Wrench nut	Cast iron	ASTM A126 CL.B
G-41	Stuffing box bolt & nut	Steel	ANSI B18.2 plated
G-42	Stem	Bronze	ASTM B138
G-45	Hand wheel	Cast iron	ASTM A126 CL.B
G-48	Stuffing box O-ring	Rubber	ASTM D2000
G-49	Stem O -ring	Rubber	ASTM D2000
G-176	Anti-friction washer	Celcon	
G-178	Seat ring	Rubber	ASTM D2000
G-179	Retaining screw	Stainless steel	
G-181	Bonnet gasket	Composition	ASTM D1170



DOUBLE-DISC NRS TAPPING VALVE DIMENSIONS - M.J. X FL. ENDS



Dimension*	Size**				
	14"	16"	18"	20"	24"
A	34-1/8	39	43	47-1/2	55-3/4
Q (bore)	14-1/4	16-1/4	18-1/4	20-1/4	24-1/4
R	21	23-1/2	25	27-1/2	32
D	15-1/4	17-1/4	19-15/32	21-15/32	25-15/32
I	1/4	1/4	1/4	1/4	1/4
M	7-1/2	10-3/8	11	11-1/8	12-3/4
FF	17-7/8	23-9/16	24-3/4	25-1/16	28-1/16
V	2-5/8	3-1/16	3	2-15/16	3-5/16
N	20-5/16	22-9/16	24-13/16	27-1/16	31-9/16
T	18	18	20	20	24
B (number and size of bolts for FL)	12--1	16--1	16--1-1/8	20--1-1/8	20--1-1/4
O (number and size of bolts for MJ)	10--7/8	12--3/4	12--3/4	14--3/4	16--3/4
UU (bolt circle diameter for FL)	18.75	21.25	22.75	25.00	29.50
OO (bolt circle diameter for MJ)	18.75	21.00	23.25	25.50	30.00
Turns to open	46	53	59	65	77
Weight*	826	1144	1653	2300	3190

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

** Nominal.

† First number is number of bolt holes, second is bolt size.

Options --

- Bevel gearing with grease case
- Position indicators
- MUELLER HP® Epoxy Coating
- ASTM B98-C66100/H04 stem and disc pins
- Stainless steel fasteners
- Bronze internal parts
- Handwheel

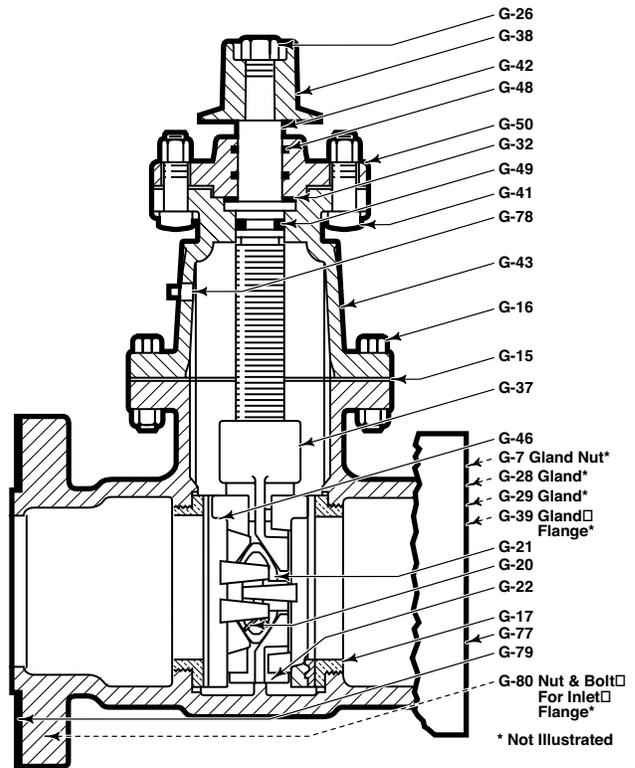
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- ☐ Meets or exceeds all applicable requirements of ANSI/AWWA C500 Standard, certified to ANSI/NSF 61.
- ☐ Catalog number--
H-667 flanged x mechanical joint with M.J. accessories
- ☐ Sizes--14", 16", 18", 20", 24"

Double-disc Tapping Valve parts

Catalog Part No.	Description	Material	Material Standard
G-15	Bonnet gasket	Composition	ASTMD1170
G-16	Bonnet bolts & nuts	Steel	ANSI B18.2 plated
G-17	Seat ring	Bronze	ASTM B62
G-46	Disc and disc ring	Cast iron**	ASTM A126 CL.B
G-20	Disc pin	Bronze	ASTM B21
G-21	Side spreader	Bronze	ASTM B62
G-22	Bottom wedge	Cast iron	ASTM A126 CL.B
G-78	Test plug	Iron	
G-26	Nut for wrench nut	Steel	ANSI B18.2 plated
G-32	Stuffing box gasket	Fiber	
G-37	Top wedge nut	Cast iron**	ASTM A126 CL.B
G-38	Wrench nut	Cast iron	ASTM A126 CL.B
G-41	Stuffing box bolt & nut	Steel	ANSI B18.2 plated
G-42	Stem	Bronze	ASTM B138
G-43	Bonnet	Cast iron	ASTM A126 CL.B
G-45	Hand Wheel	Cast iron	ASTM A126 CL.B
G-77	Body	Cast iron	ASTM A126 CL.B
G-48	Stuffing box O-ring	Rubber	ASTM D2000
G-49	Stem O-ring	Rubber	ASTM D2000
G-50	Stuffing box	Cast iron	ASTM A126 CL.B
G-79	Inlet flange gasket	Composition	
G-80	Inlet flange bolts and nuts	Steel	

** Cast iron discs with rolled-in bronze facings; cast iron top wedge nut with integrally cast bronze busing.

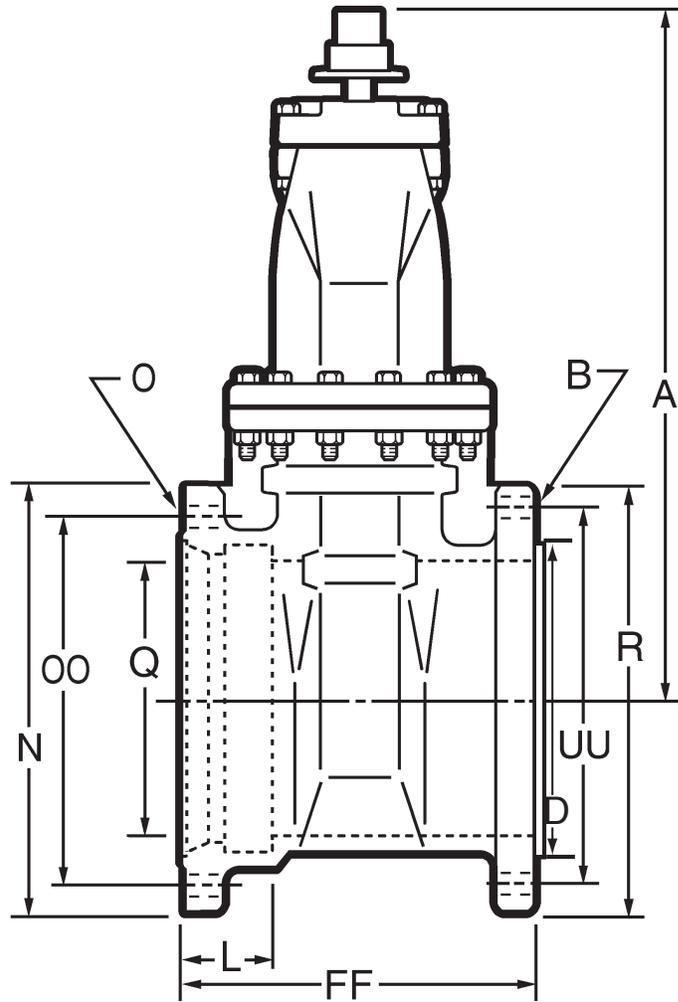


14"-48" MUELLER® T-2361 RESILIENT WEDGE GATE VALVE - D.I. - M.J. X FL. ENDS

Mueller Co.

12.19

Rev. 9-09



Dimensions

Dimension*	Nominal size								
	14"	16"	18"	20"	24"	30"†	36"†	42"†	48"†
A	32.75	37.88	44.19	48.25	53.88	See A for Spur or Bevel Gear			
D	15.25	17.25	19.47	21.47	25.47	30.94	36.94	43.44	49.44
L	3.50	3.50	3.50	3.50	3.50	4.00	4.00	4.00	4.00
N	20.25	22.56	24.76	27.25	31.51	39.53	46.41	53.53	60.41
O (number and size of holes for MJ)	10--.88	12--.88	12--.88	14--.88	16--.88	20--1.125	24--1.125	28--1.38	32--1.38
Q (bore)	14.38	16.00	18.38	20.38	24.38	30.38	36.38	42.38	48.38
OO (bolt circle diameter for MJ)	18.75	21.00	23.25	25.50	30.00	36.88	43.75	50.62	57.50
R	21.00	23.50	25.00	27.50	32.00	38.75	46.00	53.00	59.50
UU (bolt circle diameter for FL)	18.75	21.25	22.75	25.00	29.50	36.00	42.75	49.50	56.00
FF	17.41	17.91	19.25	19.75	21.75	29.75	33.75	40.38	43.79
B (number and size of holes for FL)	12--1.12	16--1.12	16--1.25	20--1.25	20--1.38	28--1.38	32--1.63	36--1.63	44--1.63
A - Spur Gear	38.50	43.58	49.41	53.01	59.51	70.81	83.08	97.84	109.70
A - Bevel Gear**	34.00	37.38	44.50	47.69	54.06	64.93	77.19	90.75	102.61
Turns to open (without gearing)	43.5	49	57	63	75	-	-	-	-
Turns to open (Spur gearing)	178	201	234	258	308	381	455	524	596
Turns to open (Bevel gearing)	196	221	257††	284††	338††	372	444	524	596
Weight*	655	875	1226	1500	2375	5100	8400	13300	19700

*All dimensions are in inches. All weights are in pounds and are approximate. Weights for 30"-48" valves are with gearing; for all others without gearing.

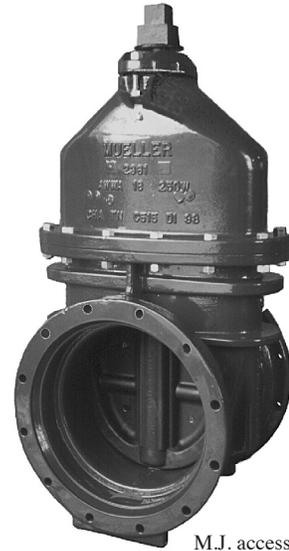
**Center line of operating nut to center line of valve.

†Spur or Bevel Gear must be used with 30", 36", 42", 48" valves.

††Turns shown for Master Gear bevel gearing. Valves with Limitorque bevel gearing: 18" - 227, 20" - 251, 24" - 300".

Rev. 11-10 Shaded area indicates change

- Catalog number--
T-2361-16 mechanical joint x flanged ends (with mechanical joint unassembled accessories)
T-2361-19 mechanical joint x flanged ends (less mechanical joint accessories)
- Size-- 14", 16"††, 18", 20", 24", 30", 36", 42", 48"
- Certified to ANSI/NSF 61 standard
- Inlet flange complies with ANSI B16.1, class 125 drilling and with MSS SP-60.
- Flanged end dimensions and drilling comply with ANSI B16.1, class 125 (supplied without alignment lip)
- Mechanical joint end complies with ANSI/AWWA C111 Standard
- Ductile iron body with nominal 10 mils MUELLER® Pro-Gard™ Fusion Epoxy Coated interior and exterior surfaces; 42" and 48" valves coated with Themec liquid epoxy.
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard and is certified to ANSI/NSF 61.
- Ductile iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron.
- Non-rising stem (NRS)
- Triple O-ring seal stuffing box (2 upper & 1 lower O-ring)
- 2" square wrench nut – open left or open right
 30"-48" require a Spur Gear or Beval Gear
- 250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure
- 14" and 16" UL Listed: 175 psig (1207 kPa); FM Approved: 250 psig (1723 kPa)
- 18", 20" and 24" sizes – UL Listed: 175 psig (1207 kPa)



M.J. accessories shipped unassembled

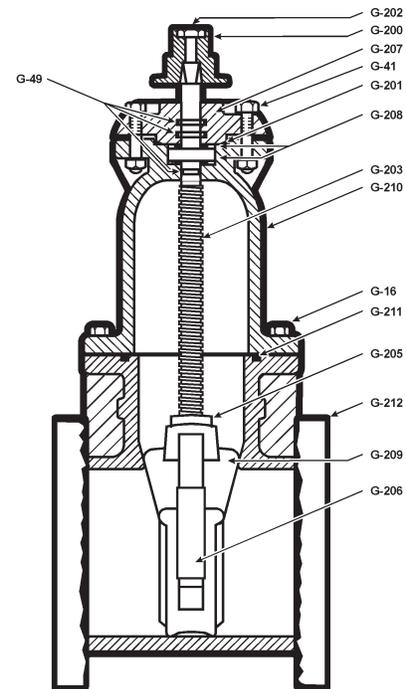
T-2361-16

Options

- Position indicators
- Stainless steel fasteners: Type 304, Type 316
- Spur or Beval Geared actuator
- ASTM B98-C66100/H02 stem; 14"-16"
- Bypass 18"-48" (2" on 18"-20"; 2.5 on 24"; 3" on 30"-48")

Resilient wedge gate valve parts

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet Bolts & Nuts	Carbon Steel	ASTM A307 Grade B, Zinc Plated
G-41	Stuffing Box Bolts & Nuts	Carbon Steel	ASTM A307 Grade B, Zinc Plated
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-200	Wrench Nut Cap Screw	Carbon Steel	ASTM A307 Grade B, Zinc Plated
G-201	Stuffing Box O-Ring Seal	Rubber	ASTM D2000
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138**
G-204	Hand Wheel (not shown)	Cast Iron	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-207	Stuffing Box	Ductile Iron	ASTM A536
G-208	Anti-friction Washers (2)	Brass	
G-209	Wedge, Rubber Encapsulated	Ductile Iron* SBR†	ASTM A536 --
G-210	Bonnet	Ductile Iron	ASTM A536
G-211	Bonnet O-ring	Rubber	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536



ASTM B763-C99500; 18"-36"

* Fully encapsulated in molded rubber with no iron exposed

**18" - 36" ASTM B584

†42" and 48" EPDM standard

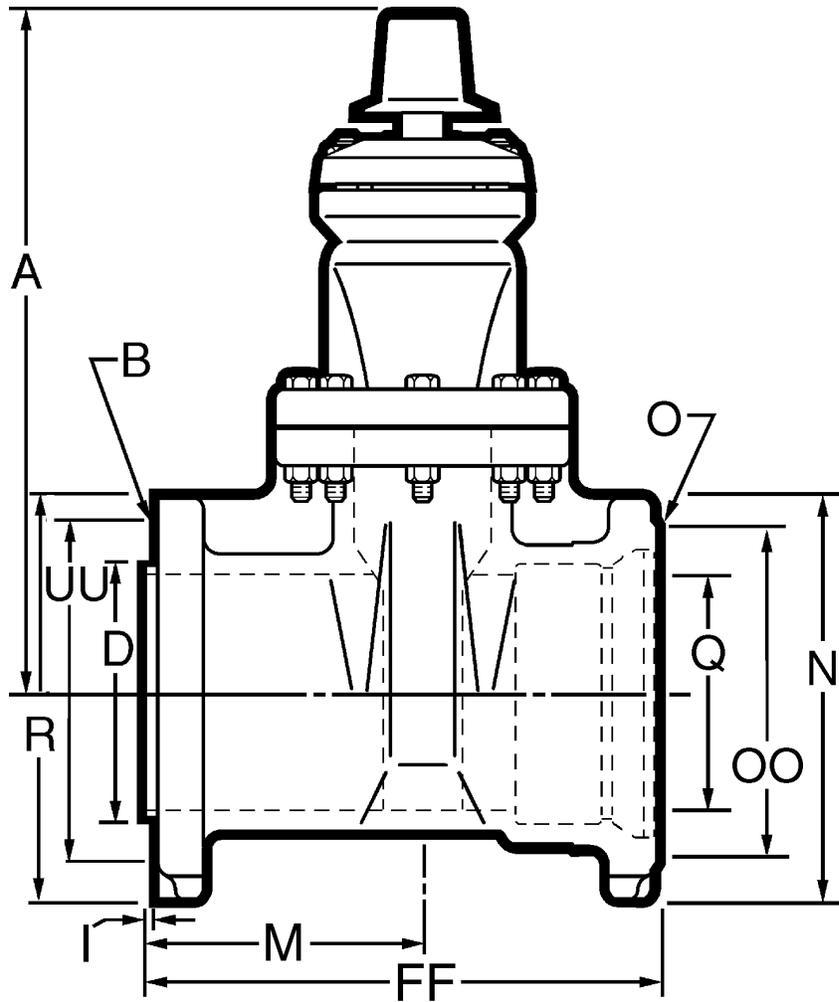
††Must use 1/2" under size shell cutter

2"-12" MUELLER® T-2360 RESILIENT WEDGE GATE TAPPING VALVE - M.J. X FL. ENDS

Mueller Co.

12.17

Rev. 5-08



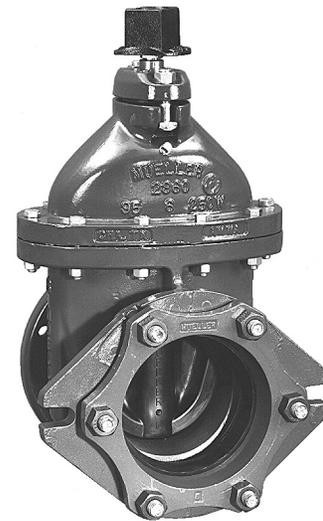
Dimensions

Dimension*	Nominal size						
	2"	3"	4"	6"	8"	10"	12"
A	9.88	12.38	14.19	18.00	21.50	25.50	28.62
R	6.00	7.50	9.00	11.00	13.50	16.00	19.00
D	2.97	3.97	5.00	7.00	9.00	11.00	13.00
I	0.16	0.18	0.18	0.25	0.25	0.25	0.25
M	4.46	4.73	6.24	6.75	7.75	8.52	7.25
UU (bolt circle diameter for FL)	4.75	6.00	7.50	9.50	11.75	14.25	17.00
N	6.25	7.50	9.12	11.12	13.38	15.68	17.94
B (number and size of holes for FL)	4--.75	4--.75	8--.75	8--.88	8--.88	12--1.00	12--1.00
Q (bore)	2.30	3.30	4.30	6.30	8.30	10.30	12.30
FF	8.55	8.99	11.91	13.00	14.62	15.95	15.24
O (number and size of holes for MJ)	4--.75	4--.75	4--.88	6--.88	6--.88	8--.88	8--.88
OO (bolt circle diameter for MJ)	4.75	6.19	7.50	9.50	11.75	14.00	16.25
Turns to open	8	11	14	20.5	26.5	33	38.5
Weight*	42	69	118	163	260	401	530

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

Rev. 9-09

- Catalog number--
T-2360-16 mechanical joint x flanged ends (with mechanical joint unassembled accessories)
T-2360-19 mechanical joint x flanged ends (less mechanical joint accessories)
- Sizes--2", 3", 4", 6", 8", 10", 12"
- Meets or exceeds all applicable requirements of ANSI/AWWA C509 Standard, certified to ANSI/NSF 61 standard, listed by Underwriters Laboratories Inc. and ULC, approved by Factory Mutual Corp.
- Inlet flange complies with ANSI B16.1, class 125 drilling and with MSS SP-60.
- Mechanical joint outlet complies with ANSI/AWWA C111 Standard.
- Iron body with nominal 10 mils MUELLER® Pro-Gard™ Epoxy Fusion Coated interior and exterior surfaces.
- Epoxy coating meets or exceeds all applicable requirements of ANSI/AWWA C550 Standard and is certified to NSF 61.
- Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron.
- Non-rising stem (NRS).
- Triple O-ring seal stuffing box (2 upper & 1 lower O-ring), with fourth O-ring serving as dirt seal††
- 2" square wrench nut (optional handwheel available)--open left or open right.
- 2"-12" sizes--250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure



M.J. accessories shipped unassembled

T-2360-16

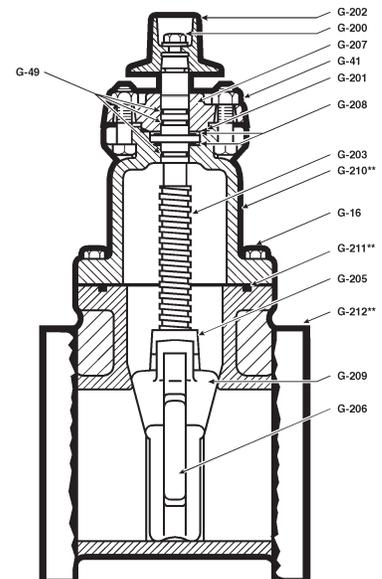
††Dirt seal on 4"-12 valves.

Options

- Position indicators
- Stainless steel fasteners: Type 316
- ASTM B98-C66100/H02 stem
- Handwheel

Resilient wedge gate valve parts

Catalog Part No.	Description	Material	Material standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-79	Inlet flange gasket	Composition	
G-80	Inlet flange bolts and nuts	Steel	
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel (not shown)	Cast Iron	ASTM A126 CL.B
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-207	Stuffing Box with dirt seal††	Cast iron Rubber	ASTM A126 CL.B --
G-208	Anti-friction Washers (2)	Celcon	
G-209	Wedge, Rubber Encapsulated	Cast Iron* SBR	ASTM A126 CL.B --
G-210**	Bonnet	Cast Iron	ASTM A126 CL.B
G-211**	Bonnet Gasket	Rubber	ASTM D2000
G-212**	Body	Cast Iron	ASTM A126 CL.B



* Fully encapsulated in molded rubber with no iron exposed

** Previous to 1999 these parts on 4"-12" 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.

††Dirt seal on 4"-12" valves.



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MECHANICAL JOINT SPLIT REPAIR SLEEVE FOR PITCAST C.I. PIPE



H-786

- ❑ Catalog number
H-786 Mechanical Joint Split Repair Sleeve
- ❑ Sizes--10" through 24"
(see chart below for sizes, O.D. ranges, sleeve lengths)
- ❑ Mechanical joint ends with plain rubber end gaskets
- ❑ Iron body with 3/4" NPT test plug
- ❑ 10"-12" sizes--200 psig (1379 kPa) maximum working pressure
- ❑ 14"-24" sizes--150 psig (1034 kPa) maximum working pressure

Split Repair Sleeve pipe information

Nominal size of main	Sleeve length**	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
		Inch	mm		
10"	17-1/2"	11.34"-11.46"	288.1-291.0	Cast iron classes C and D	194681
12"	19-1/2"	13.44"-13.56"	341.5-344.3	Cast iron classes C and D	194642
14"	22-1/2"	15.59"-15.71"	396.1-398.9	Cast iron classes C and D	195131
16"		17.74"-17.86"	450.7-453.5	Cast iron classes C and D	195132
18"		19.84"-20.00"	504.1-507.9	Cast iron classes C and D	195268
20"		21.98"-22.14"	558.4-562.3	Cast iron classes C and D	195133
24"		26.24"-26.40"	666.6-670.5	Cast iron classes C and D	195134

**This length does not include end glands or bolts.

MECHANICAL JOINT SPLIT REPAIR SLEEVE **Mueller Co.** 12.13

FOR CENTRIFUGAL CAST, C.I., D.I., & PVC PIPE

Shaded area indicates change Rev. 9-09

- ❑ Catalog number--
H-785 Mechanical Joint Split Repair Sleeve
- ❑ Sizes --4" through 24"
(see chart below for sizes, O.D. ranges and sleeve lengths)
- ❑ Mechanical joint ends with duck-tipped end gaskets
- ❑ Iron body with 3/4" NPT test plug
- ❑ 4"-12" sizes--250 psig (17249 kPa) maximum working pressure
- ❑ 14" - 24" sizes--150 psig (1034 kPa) maximum working pressure



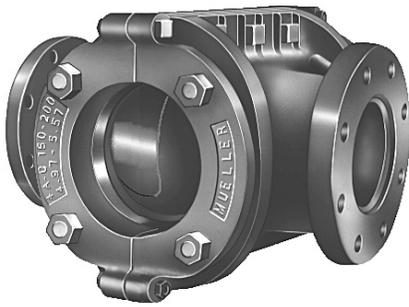
H-785

Tapping Sleeve pipe information

Nominal size of main	Sleeve length**	O.D. Range of sleeve		Class and type of pipe	End Gasket part number
		Inch	mm		
4"	11-1/2"	4.47-4.86	120.5-123.3	Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195824
		4.87-5.32	123.8-135.0	Cast iron classes B, C, and D - A-C classes 100 and 150	195653
6"	13-1/2"	6.84-6.96	173.8-176.7	Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195825
		6.97-7.40	177.1-187.9	Cast iron classes B, C, and D - A-C classes 100 and 150	195654
8"	15-1/2"	8.99-9.11	228.4-231.3	Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195826
		9.12-9.62	231.7-244.2	Cast iron classes B, C, and D - A-C classes 100 and 150	195655
10"	17-1/2"	11.04-11.16	280.5-283.4	Cast iron classes 150, 200, 250, A, and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194680
12"	19-1/2"	13.14-13.26	333.9-336.7	Cast iron classes 150, 200, 250, A, and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194638
14"	22-1/2"	15.22-15.32	386.7-389.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195127
16"		17.32-17.45	440.0-443.1	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195128
18"		19.42-19.55	493.4-496.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195266
20"		21.52-21.65	546.7-549.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195129
24"		25.72-25.85	653.4-656.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195130
30"		35.00	31.74	806.19	Cast iron classes A
	32.00		812.80	Cast iron classes B, DI, C-900 PVC	542142
	32.40		822.96	Cast iron classes C	542143
36"	30.00	37.96	964.18	Cast iron classes A	542147
		38.3	972.82	Cast iron classed B, DI C-900 PVC	542148
		38.7	982.98	Cast iron classes C	542149

**This length does not include end glands or bolts.

WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.



H-719

- ❑ Catalog number--
H-719 Mechanical Joint Tapping Cross
- ❑ Sizes-- 4"-12" main and outlet (see chart below for available size combinations).
- ❑ Specially designed for use on A-C pipe.
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Iron body.
- ❑ 4"-12" sizes--200 psig (1379 kPa) maximum working pressure.

Tapping Cross pipe information

Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
4"	4.97" - 5.57"	126.3 - 141.4	A-C classes 150 and 200	195656
6"	7.05" - 7.60"	179.2 - 192.9	A-C classes 100, 150 and 200	195657
8"	9.22" - 9.79"	234.3 - 248.6	A-C classes 100, 150 and 200	195658
10"	11.77" - 12.25"	299.1 - 311.1	A-C classes 150 and 200	195307
12"	14.03" - 14.51"	356.5 - 368.5	A-C classes 150 and 200	195289

Sizes available

Size of main	Outlet size				
	4"	6"	8"	10"	12"
4"	X	-	-	-	-
6"	X	X	-	-	-
8"	X	X	X	-	-
10"	X	X	X	X	-
12"	X	X	X	X	X

NOTE: The actual diameter A-C pipe varies among manufacturers and from piece to piece. It is important to measure the pipe diameter at the point where the sleeve will be installed. The O.D. of A-C pipe can be reduced by following the recommendations of the specific pipe manufacturer.

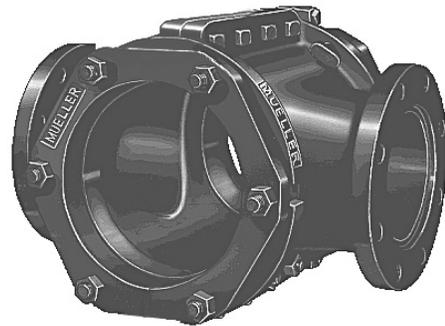
MECHANICAL JOINT TAPPING CROSS FOR PITCAST C.I. PIPE

Mueller Co.

12.11

Rev. 5-08

- ❑ Catalog number
H-716 Mechanical Joint Tapping Cross
- ❑ Sizes--4"-24" main and outlet (see chart below for available size combinations).
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Iron body with 3/4" NPT test plug.
- ❑ 10"-12" sizes--200 psig (1379 kPa) maximum working pressure.
- ❑ 14"-24" sizes--150 psig (1034 kPa) maximum working pressure.



H-716

Tapping Cross pipe information

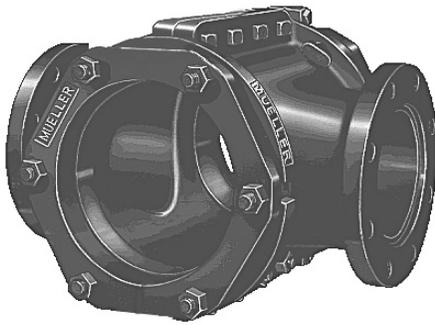
Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
10"	11.34"-11.46"	288.1-291.0	Cast iron classes C and D	194681
12"	13.44"-13.56"	341.5-344.3	Cast iron classes C and D	194642
14"	15.59"-15.71"	396.1-398.9	Cast iron classes C and D	195131
16"	17.74"-17.86"	450.7-453.5	Cast iron classes C and D	195132
18"	19.84"-20.00"	504.1-507.9	Cast iron classes C and D	195268
20"	21.98"-22.14"	558.4-562.3	Cast iron classes C and D	195133
24"	26.24"-26.40"	666.6-670.5	Cast iron classes C and D	195134

Sizes available

Nominal size of main	Outlet size									
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
10"	X	X	X	X	-	-	-	-	-	-
12"	X	X	X	X	X	-	-	-	-	-
14"	-	X	X	X	X	X	-	-	-	-
16"	X	X	X	X	X	X	X	-	-	-
18"	X	X	X	X	X	-	X	X	-	-
20"	X	X	X	X	X	X	X	X	X	-
24"	X	X	X	X	X	X	X	-	X	X

12.10 **Mueller Co.** MECHANICAL JOINT TAPPING CROSS FOR CENTRIFUGAL CAST, C.I., D.I., & PVC PIPE

Rev. 9-09



H-715

- ❑ Catalog number--
H-715 Mechanical Joint Tapping Cross
- ❑ Sizes--4"-24" main and outlet (see chart below for available size combinations)
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Iron body with 3/4" NPT test plug.
- ❑ 4"-12" sizes--200 psig (1379 kPa) maximum working pressure.
- ❑ 14" - 24" sizes--150 psig (1034 kPa) maximum working pressure.

Tapping Cross pipe information

Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
4"	4.74"-4.86"	120.5-123.3	Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195824
	4.87"-5.32	123.8-135.0	Cast iron classes B, C, and D - A-C classes 100 and 150	195653
6"	6.84"-6.96"	173.8-176.7	Cast iron classes 100, 150, 200, and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195825
	6.97"-7.40"	177.1-187.9	Cast iron classes B, C, and D - A-C classes 100 and 150	195654
8"	8.99"-9.11"	228.4-231.3	Cast iron classes 100, 150, 200, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195826
	9.12"-9.62"	231.7-244.2	Cast iron classes B, C, and D - A-C classes 100 and 150	195655
10"	11.04"-11.16"	280.5-283.4	Cast iron classes 150, 200, 250, A and B -all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194680
12"	13.14"-13.26"	333.9-336.7	Cast iron classes 150, 200, 250, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194638
14"	15.22"-15.35"	386.7-389.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195127
16"	17.32"-17.45"	440.0-443.1	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195128
18"	19.42"-19.55"	493.4-496.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195266
20"	21.52"-21.65"	546.7-549.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195129
24"	25.72"-25.85"	653.4-656.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195130

Sizes available

Nominal size of main	Outlet size									
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
4"	X	-	-	-	-	-	-	-	-	-
6"	X	X	-	-	-	-	-	-	-	-
8"	X	X	X	-	-	-	-	-	-	-
10"	X	X	X	X	-	-	-	-	-	-
12"	X	X	X	X	X	-	-	-	-	-
14"	-	X	X	X	X	X	-	-	-	-
16"	X	X	X	X	X	X	X	-	-	-
18"	X	X	X	X	X	-	X	X	-	-
20"	X	X	X	X	X	X	X	X	X	-
24"	X	X	X	X	X	X	X	X	X	X

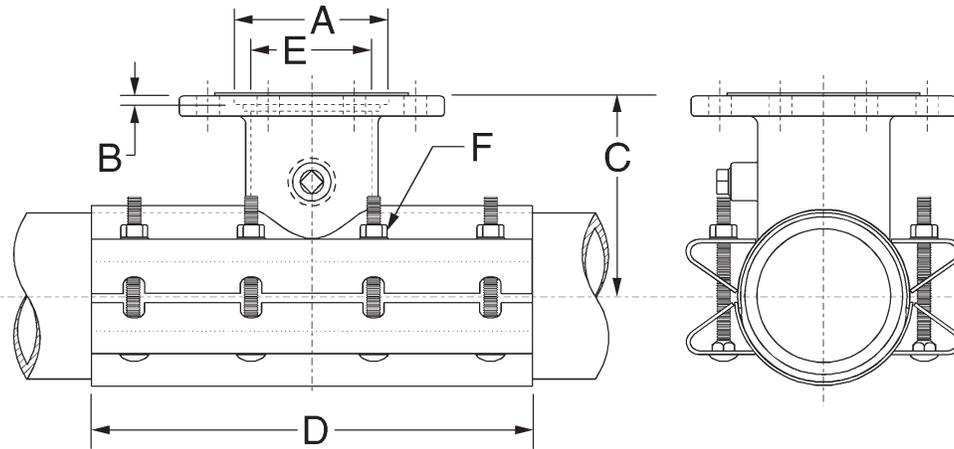
STAINLESS STEEL TAPPING SLEEVE

4" - 24"

Mueller Co.

12.9

Rev. 5-08



Nominal Size		Dimensions*					Bolts Per Side
Main	Outlet	Outlet Flange†		Sleeve			
		A	B	C	D	E	F
4"	4"	5.0315	.25	7.00	15	4.50	4
6"	4"	5.0315	.25	7.50	15	4.50	4
6"	6"	7.0315	.31	8.00	15	6.50	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	8.50	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	10.50	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	12.50	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"	13.015	.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

* All dimensions are in inches.

† 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.



H-304SS



H-304MJ

- ❑ Catalog number-- **H-304** Stainless Steel Tapping Sleeve
- ❑ Sizes-4"-24" main and outlet (see chart below for available size combinations).
- ❑ Outlet choices: flange or integral MJ outlet.
- ❑ Outlet flange material options: 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.
- ❑ Integral MJ flange is 304L stainless steel.
- ❑ Certified to ANSI/NSF 61.
- ❑ 3/4" NPT brass test plug (Stainless Steel optional).
- ❑ 4"-12" sizes--250 psig (1723 kPa) maximum working pressure.
- ❑ 14"-24" sizes--200 psig (1379 kPa) maximum working pressure.

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**

*3" outlet flange only available in stainless steel
 ** H-304 is constant for all Mueller Stainless Steel Tapping Sleeves listed here
 ** SS = stainless steel flange, CS = carbon steel flange,
 DI = ductile iron flange, MJ=integral mechanical joint outlet.*

Main Size	Outlet Size	Model No.	Flange Material	Maximum O.D.
06	06	H-304*	SS**	0750

Tapping Sleeve pipe information

Size of main	Size of outlet flange	Available sleeve O.D. ranges		Class and type of pipe
		Inch	mm	
4"	3", 4"	4.50 - 4.90 4.80 - 5.00	114.30 - 124.46	Iron Pipe Size PVC; C900 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100
6"	4", 6"	6.59 - 6.99 6.89 - 7.30 7.10 - 7.50 7.40 - 7.80	167.39 - 177.55 175.00 - 185.42 180.34 - 190.50 187.96 - 198.12	Iron Pipe Size PVC; C900 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150
8"	4", 6"	7.90 - 8.30	200.66 - 210.82	Iron Pipe Size PVC; C900 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150, 200
	4", 6", 8"	8.62 - 9.06 9.04 - 9.45 9.20 - 9.60 9.60 - 10.00	218.95 - 230.12 229.62 - 240.03 233.68 - 243.84 243.84 - 254.00	
10"	4", 6", 8"	9.90 - 10.30	251.46 - 261.62	Iron Pipe Size PVC; C900 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150, 200
	4", 6", 8", 10"	10.73 - 11.13 11.05 - 11.45 11.70 - 12.10 12.00 - 12.40	272.54 - 282.70 280.67 - 290.83 297.18 - 307.34 304.80 - 314.96	
12"	4", 6", 8", 10", 12	12.50 - 12.90 13.16 - 13.56 13.60 - 14.09 14.10 - 14.58	317.50 - 327.66 334.26 - 344.42 345.44 - 378.46 358.14 - 370.33	C900 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150, 200; C905 IPS O.D. PVC (14")
14"	4", 6", 8", 10", 12	15.25 - 15.65 15.60 - 16.00 16.38 - 16.73 16.48 - 16.88	387.35 - 397.51 396.24 - 406.40 416.05 - 424.94 418.59 - 428.75	C905 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150, 200; C905 IPS O.D. PVC (16")
16"	4", 6", 8", 10", 12	17.40 - 17.80 17.54 - 17.94 17.85 - 18.25 18.15 - 18.55 18.60 - 19.00	441.96 - 452.12 334.26 - 344.42 445.52 - 463.55 461.01 - 471.17 472.44 - 482.60	C905 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; AC 100, 150, 200; C905 IPS O.D. PVC (18")
18"	4", 6", 8", 10", 12	19.30 - 19.70 19.70 - 20.10	490.22 - 500.38 500.38 - 510.54	C905 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron; C905 IPS O.D. PVC (20")
20"	4", 6", 8", 10", 12	21.40 - 21.80 21.90 - 22.30 22.30 - 22.70	543.56 - 553.72 556.26 - 566.42 566.42 - 576.58	C905 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron
24"	4", 6", 8", 10", 12	23.30 - 23.70 23.80 - 24.10 25.60 - 26.00	591.82 - 601.98 604.52 - 612.14 650.24 - 660.40	C905 Cast Iron OD PVC; Cast Iron 100-250, A, B, C, D; Ductile iron

U.S. PIPE T-28 DUCTILE IRON TAPPING SLEEVE

- ❑ Catalog number--**T-28** Dual Compression Seal Tapping Sleeve
- ❑ Sizes--range from 6"-16" main and outlet (see chart below for available size).
- ❑ Fits all classes of pipe through Class D pit cast gray iron.
- ❑ 3/8" test plug standard.
- ❑ Epoxy coated ductile iron construction.
- ❑ O-ring seals on outlet and flange connection.
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, Class 125 and with MSS SP-60.
- ❑ Stainless steel bolts.
- ❑ 250 psig (1724 kPa) maximum working pressure.



T-28

Tapping Sleeve pipe information

Nominal size of main	O.D. Range of sleeve		Class and type of pipe
	Inch	mm	
4"	4.80 - 5.00	121.92 - 127.00	Fits all classes of pipe through Class D pit cast gray iron.
6"	6.90 - 7.10	175.26 - 180.34	
8"	9.05 - 9.30	229.87 - 236.22	
10"	11.10 - 11.40	281.94 - 289.56	
12"	13.20 - 13.50	335.28 - 342.90	
16"	17.40 - 17.80	441.96 - 452.12	

Sizes available

Nominal size of main	Outlet size				
	4"	6"	8"	10"	12"
4"	X	-	-	-	-
6"	X	X	-	-	-
8"	X	X	X	-	-
10"	X	X	X	X	-
12"	X	X	X	X	X
16"	X	X	X	X	X

12.6



OUTLET SEALED TAPPING SLEEVE FOR STEEL O.D. SIZE PVC PLASTIC PIPE

Rev. 5-08

- ❑ Catalog number--
H-612 Mechanical joint, outlet sealed Tapping Sleeve
- ❑ Sizes--4"-8" main and outlet (see chart below for available size combinations).
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and MSS SP-60.
- ❑ Certified to ANSI/NSF 61.
- ❑ Iron body.
- ❑ Specially designed Buna-N outlet seal gasket.
- ❑ Specifically designed for use on steel O.D. size PVC plastic pipe meeting ASTM specifications D2241 and D1785.
- ❑ 4", 6", and 8" main sizes--150 psig (1034 kPa) maximum working pressure.



H-612

Tapping Sleeve pipe information

Size of main	O.D. range of sleeve		Class and type of pipe
	Inch	mm	
4"	4.491 - 4.509	114.2 - 114.4	Steel O.D. size PVC plastic pipe
6"	6.614 - 6.636	168.1 - 168.5	Steel O.D. size PVC plastic pipe
8"	8.610 - 8.640	218.8 - 219.4	Steel O.D. size PVC plastic pipe

Sizes available

Size of main	Outlet size		
	4"	6"	8"
4"	X	-	-
6"	X	X	-
8"	X	X	X

Outlet Seal Gaskets

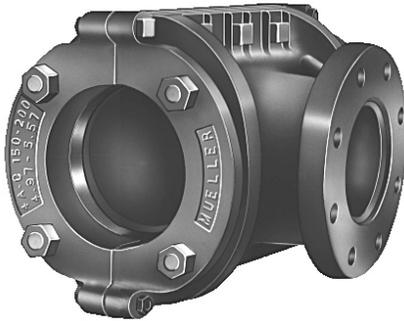
Outlet size	Gasket part number
4"	195504
6"	195502
8"	195511

MECHANICAL JOINT TAPPING SLEEVE FOR A-C PIPE

Mueller Co.

12.5

Rev. 9-09



H-619

- ❑ Catalog number--
H-619 Mechanical Joint Tapping Sleeve
- ❑ 4"-12" main and outlet (see chart below for available size combinations).
- ❑ Specially designed for use on A-C pipe.
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and MSS SP-60.
- ❑ Iron body with 3/4" NPT test plug.
- ❑ 4"-12" sizes--200 psig (1379 kPa) maximum working pressure.

Tapping Sleeve pipe information

Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
4"	4.97" - 5.57"	126.3 - 141.4	A-C classes 150 and 200	195656
6"	7.05" - 7.60"	179.2 - 192.9	A-C classes 100, 150 and 200	195657
8"	9.22" - 9.79"	234.3 - 248.6	A-C classes 100, 150 and 200	195658
10"	11.77" - 12.25"	299.1 - 311.1	A-C classes 150 and 200	195307
12"	14.03" - 14.51"	356.5 - 368.5	A-C classes 150 and 200	195289

Sizes available

Size of main	Outlet size				
	4"	6"	8"	10"	12"
4"	X	-	-	-	-
6"	X	X	-	-	-
8"	X	X	X	-	-
10"	X	X	X	X	-
12"	X	X	X	X	X

NOTE: The actual diameter A-C pipe varies among manufacturers and from piece to piece. It is important to measure the pipe diameter at the point where the sleeve will be installed. The O.D. of A-C pipe can be reduced by following the recommendations of the specific pipe manufacturer.



WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.

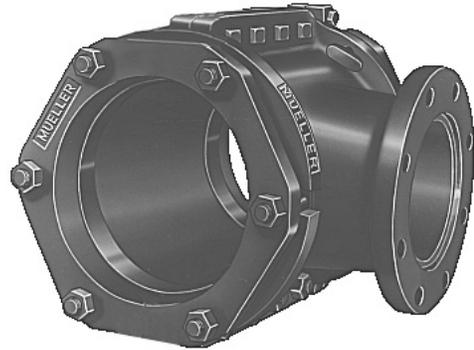
12.4



MECHANICAL JOINT TAPPING SLEEVE FOR PITCAST C.I. PIPE

Rev. 5-08

- ❑ Catalog number--
H-616 Mechanical Joint Tapping Sleeve
- ❑ Sizes-- 10"-24" main and 4"-24" outlet (see chart below for available size combinations)
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60
- ❑ Iron body with 3/4" NPT test plug
- ❑ 10"-12" sizes--200 psig (1379 kPa) maximum working pressure
- ❑ 14"-24" sizes--200 psig (1379 kPa) maximum working pressure



H-616

Tapping Sleeve pipe information

Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
10"	11.34"-11.46"	288.1-291.0	Cast iron classes C and D	194681
12"	13.44"-13.56"	341.5-344.3	Cast iron classes C and D	194642
14"	15.59"-15.71"	396.1-398.9	Cast iron classes C and D	195131
16"	17.74"-17.86"	450.7-453.5	Cast iron classes C and D	195132
18"	19.84"-20.00"	504.1-507.9	Cast iron classes C and D	195268
20"	21.98"-22.14"	558.4-562.3	Cast iron classes C and D	195133
24"	26.24"-26.40"	666.6-670.5	Cast iron classes C and D	195134

Sizes available

Nominal size of main	Outlet size									
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
10"	X	X	X	X	-	-	-	-	-	-
12"	X	X	X	X	X	-	-	-	-	-
14"	X	X	X	X	X	X	-	-	-	-
16"	X	X	X	X	X	X	X	-	-	-
18"	X	X	X	X	X	-	X	X	-	-
20"	X	X	X	X	X	X	X	X	X	-
24"	X	X	X	X	X	X	X	-	X	X

MECHANICAL JOINT TAPPING SLEEVE **Mueller Co.** FOR CENTRIFUGAL C.I., D.I., & PVC PIPE

12.3

Rev. 9-09

- ❑ Catalog number--
T-9 Mechanical Joint Tapping Sleeve
- ❑ Sizes--30" & 36" main (see chart below for available size combinations)
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Certified to ANSI/NSF 61.
- ❑ Ductile Iron body with 3/4" NPT test plug.
- ❑ 150 psig (1034 kPa) maximum working pressure.



T-9

Tapping Sleeve pipe information

Nominal size of main	O.D. Range of sleeve		Class and type of pipe
	Inch	mm	
30"	31.74	806.19	Cast Iron Classes A
	32.00	812.80	Cast Iron Classes B, DI, C-900 PVC
	32.40	822.96	Cast Iron Classes C
36"	37.96	964.18	Cast Iron Classes A
	38.3	972.82	Cast Iron Classes B, DI, C-900 PVC
	38.7	982.98	Cast Iron Classes C

Sizes available

Nominal size of main	Outlet size						
	4"	6"	8"	12"	16"	20"	24"
30"	X	X	X	X	X	X	X
36"	X	X	X	X	X	X	-

12.2



MECHANICAL JOINT TAPPING SLEEVE FOR CENTRIFUGAL C.I., D.I., & PVC PIPE

Rev. 9-09

- ❑ Catalog number--
H-615 Mechanical Joint Tapping Sleeve
- ❑ Sizes-- 4"-24" main and outlet (see chart below for available size combinations)
- ❑ Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- ❑ Certified to ANSI/NSF 61.
- ❑ Ductile Iron body with 3/4" NPT test plug.
- ❑ 4"-24" sizes--250 psig (1723 kPa) maximum working pressure.



H-615

Tapping Sleeve pipe information

Nominal size of main	O.D. range of sleeve		Class and type of pipe	End Gasket part numbers
	Inch	mm		
4"	4.74"-4.86"	120.5-123.3	Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195824
	4.87"-5.32	123.8-135.0	Cast iron classes B, C, and D - A-C classes 100 and 150	195653
6"	6.84"-6.96"	173.8-176.7	Cast iron classes 100, 150, 200, and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195825
	6.97"-7.40"	177.1-187.9	Cast iron classes B, C, and D - A-C classes 100 and 150	195654
8"	8.99"-9.11"	228.4-231.3	Cast iron classes 100, 150, 200, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	195826
	9.12"-9.62"	231.7-244.2	Cast iron classes B, C, and D - A-C classes 100 and 150	195655
10"	11.04"-11.16"	280.5-283.4	Cast iron classes 150, 200, 250, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194680
12"	13.14"-13.26"	333.9-336.7	Cast iron classes 150, 200, 250, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200	194638
14"	15.22"-15.35"	386.7-389.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195127
16"	17.32"-17.45"	440.0-443.1	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195128
18"	19.42"-19.55"	493.4-496.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195266
20"	21.52"-21.65"	546.7-549.8	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195129
24"	25.72"-25.85"	653.4-656.5	Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron	195130

Sizes available

Nominal size of main	Outlet size									
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
4"	X	-	-	-	-	-	-	-	-	-
6"	X	X	-	-	-	-	-	-	-	-
8"	X	X	X	-	-	-	-	-	-	-
10"	X	X	X	X	-	-	-	-	-	-
12"	X	X	X	X	X	-	-	-	-	-
14"	-	X	X	X	X	X	-	-	-	-
16"	X	X	X	X	X	X	X	-	-	-
18"	X	X	X	X	X	-	X	X	-	-
20"	X	X	X	X	X	X	X	X	X	-
24"	X	X	X	X	X	X	X	X	X	X

WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.