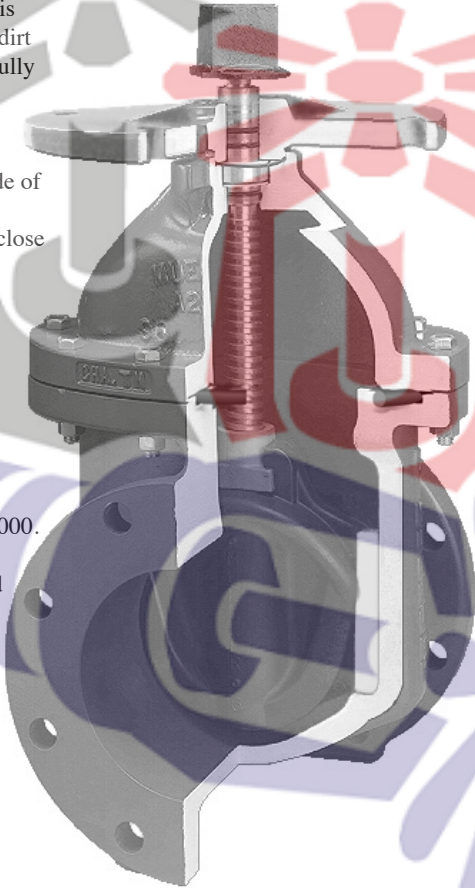


FIRE PROTECTION PRODUCTS

Mueller® 2300 Series Resilient Wedge Gate Valves

Mueller® Resilient Wedge Gate Valves have features to make them easier to operate and to preserve the sealing capability and interior coating integrity for many years of reliable service. In addition to popular end connection options, Mueller brand RW valves can be ordered with Mueller's exclusive Aqua-Grip™ System that incorporates an O-ring sealed compression connection and integral pipe restraint in one "ready to use" easy and quick to install package.

Mueller® 2-1/2" - 12" 2360 Series Resilient Wedge Gate Valves

- 
- ❑ TRIPLE O-RING SEALS – two above thrust collar and one below, retain lubricant in this critical area. Uppermost O-ring serves as dirt seal. Top two are replaceable with valve fully open and under pressure.
 - ❑ TWO ANTI-FRICTION WASHERS WITH LUBRICATION – made of polymer, one above and one below thrust collar, reduce operating torque to open or close valve.
 - ❑ STEM – forged manganese bronze bar stock is upset, then machined to form thrust collar for superior strength in this critical area – important for stems in valves 12" and smaller.
 - ❑ WEDGE – cast iron, fully encapsulated in molded rubber complying with ASTM D2000.
 - ❑ EXTENDED WEDGE GUIDES – molded as part of wedge, ride inside body channels to maintain wedge alignment throughout its travel, preventing disc from tilting.
 - ❑ GUIDE CAP BEARINGS – made of polymer and snapped over rubber covered wedge guides, provide bearing surfaces that protect both wedge and interior body coating from wear and aid in easy operation – even the largest valves installed horizontally need no tracks or rollers.
 - ❑ SMOOTH, OVERSIZED FLOW WAY – full, round, unobstructed flow way accommodates full size cutters, provides superior flow characteristics and reduces pumping costs.**
 - ❑ MUELLER® PRO-GARD™ FUSION EPOXY COATING – 10 mils* thick protects all inside and outside iron surfaces, and complies with AWWA C550 and certified to ANSI/NSF 61.
 - ❑ 200 PSIG MAXIMUM WORKING PRESSURE*** – Hydrostatically tested at 400 psig (also certified to AWWA C509 250 psig maximum working pressure and tested at 500 psig).
 - ❑ AMERICAN MADE QUALITY – factory in Chattanooga, TN with ISO 9001:2000 certification, and UL 262, FM 1120/1130. Certified to ANSI/NSF 61. Manufactured and tested in compliance with ANSI/AWWA Standard C509. UL Listed and FM Approved.
 - ❑ BI-DIRECTIONAL FLOW
 - ❑ FLAT BOTTOM SURFACES – stands upright for easier handling and storage.
 - ❑ 10-YEAR LIMITED WARRANTY – assured reliability (see separate Mueller Warranty document for terms).

Mueller® 4" - 24" 2361 Series Resilient Wedge Gate Valves

Along with all the features of the 2360 series valves, Mueller 2361 series RW valves offer these additional features:

- 
- ❑ WEDGE – 4"-12" have cast iron wedge, 14"-24" have ductile iron wedge, both are fully encapsulated in molded rubber complying with ASTM D2000.
 - ❑ BODY AND BONNET – Ductile iron.
 - ❑ COMPLIANCE – In addition to those above: ANSI/AWWA Standard C515.
 - ❑ MAXIMUM WORKING PRESSURE
 - 4"-12" AWWA rated for 250 psig and UL/FM rated for 200 psig (A2361, P2361 & R2361)
 - 14"-16" AWWA/UL/FM are rated for 250 psig (A2361, P2361 & R2361)
 - 18"-24" AWWA rated for 250 psig (A2361 & P2361)
 - 18"-24" UL rated for 175 psig (A2361, P2361 & R2361)
 - All valves hydrostatically tested at 500 psig

*Nominal

**16" valve requires 1/2" undersized cutter.

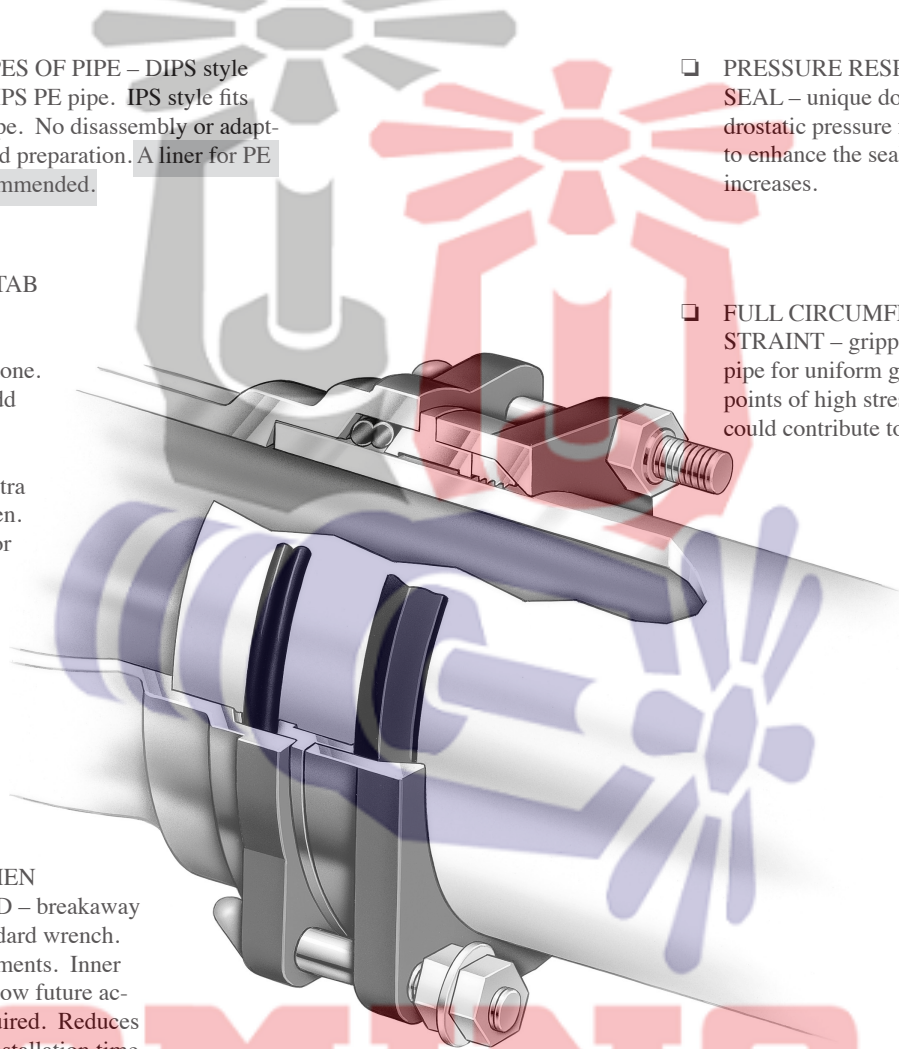
***250 psi UL/FM rating available as an option.

Double-Disc Style gate valves follow the RW valve pages.

**RESILIENT WEDGE
GATE VALVES WITH
AQUAGRIP™ SYSTEM****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****Mueller® 2361 Series Resilient Wedge Gate Valves with Aqua-Grip™ System**

The Mueller® Aqua-Grip™ System is offered in 4" through 12" sizes of the Mueller 2300 Series Resilient Wedge Gate Valves. This Mueller exclusive system combines both the compression connection and the pipe restraint system in one convenient, quick installation package. This eliminates the need for anchor couplings, tie rods or separate gland-type restrains. A typical Aqua-Grip connection uses fewer bolts than a conventional mechanical joint end, and substantially fewer than a gland-type restraint, significantly reducing installation time. This "labor saving" system is also available on Mueller Centurion® Fire Hydrants.

- ❑ ACCEPTS VARIED TYPES OF PIPE – DIPS style fits DI, C900 PVC and DIPS PE pipe. IPS style fits PVC, IPS PE and steel pipe. No disassembly or adapters and no special pipe end preparation. A liner for PE pipe (DR9-DR17) is recommended.
- ❑ FULLY ASSEMBLED STAB CONNECTION – arrives ready to insert the pipe, tighten the bolts and it's done. No need to change-out, add or remove parts. Nothing additional to inventory or handle in the field. No extra bolts to assemble or tighten. Substantially reduces labor and inventory costs.
- ❑ VISUALLY SHOWS WHEN PROPERLY TIGHTENED – breakaway nuts snap off using a standard wrench. No special torque requirements. Inner nut remains in place to allow future access to connection, if required. Reduces crew training and saves installation time. (In illustration, lower nut shown before tightening; upper one after.)
- ❑ PRESSURE RESPONSIVE O-RING SEAL – unique double O-ring uses hydrostatic pressure from inside the pipe to enhance the seal as line pressure increases.
- ❑ FULL CIRCUMFERENTIAL RESTRAINT – gripper ring encircles pipe for uniform grip without creating points of high stress in pipe wall that could contribute to pipe failure.
- ❑ INSTALLS IN WET CONDITIONS – no special field conditions required, even installs under water.
- ❑ DUCTILE IRON CONSTRUCTION – valve body, bonnet and the Aqua-Grip System components.
- ❑ PLUS ALL THE OTHER FEATURES OF THE 2300 SERIES VALVES

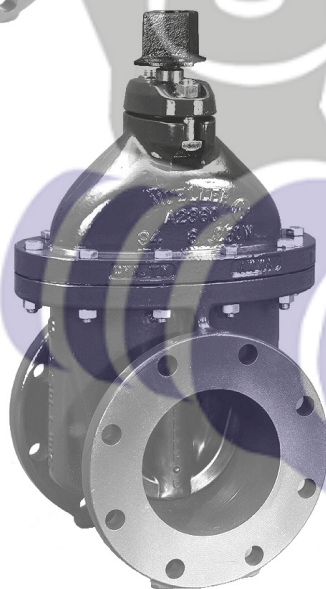


FIRE PROTECTION PRODUCTS

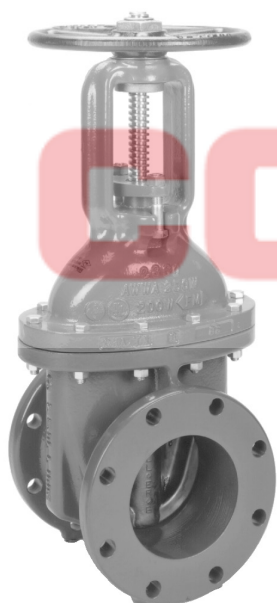


MUELLER UL/FM 2360 and 2361 series Resilient Wedge Gate Valves are available in Non-Rising Stem (N.R.S.) with indicator Post Flange (PIV), and Non-Rising Stem with AWWA Style Stuffing Box styles. The 2360 series is also available as Outside Screw and Yoke (O.S.&Y.) with Handwheel.

P.I.V. - Resilient Wedge Gate Valves with Indicator Post Flange have Triple O-ring Seals, Non-Rising Stems with a 2" square Wrench Nut and are available with several different end combinations. These are used as line valves posts and as auxiliary valves with fire hydrants. An Indicator Post is attached to the valve to indicate if buried valve is open or closed. **The Indicator Post Flange and O-ring Stuffing Box combination is a separate part from the bonnet, and is easily removed or replaced if the need should occur.**



Resilient Wedge Gate Valves without Indicator Post Flanges are Triple O-ring sealed and are identical to the one described above except for the stuffing box. These valves are used with fire hydrants in areas where Post Indicators are not required, with Wall Type Indicator Posts, and in other areas where UL/FM Valves are required but Indicator Post Flanges are not necessary.



The Outside Screw and Yoke (O.S.&Y) Resilient Wedge Gate Valve has adjustable packing seal and a handwheel, and is normally used for installations of fire protection systems, sprinkler risers, vaults, etc.

All Mueller UL/FM Resilient Wedge Gate Valves are available to open left or right. Non-Rising Stem (NRS) valves have the 2" square Wrench Nut as standard. A hand wheel is an available option on NRS valves; however this configuration has not been evaluated by UL.

Shaded area
indicates
change**N.R.S. RESILIENT WEDGE
GATE VALVE WITH
AQUAGRIP™ x FL. ENDS****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****P-2361-76**AQUAGRIP X FLANGED ENDS FOR DIPS
Indicator Post Style Stuffing Box
2" Square Wrench Nut**P-2361-86**AQUAGRIP X FLANGED ENDS FOR IPS
Indicator Post Style Stuffing Box
2" Square Wrench Nut

- 4", 6", 8", 10", 12" SIZE DIPS
- 4", 6", 8" SIZE IPS
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES

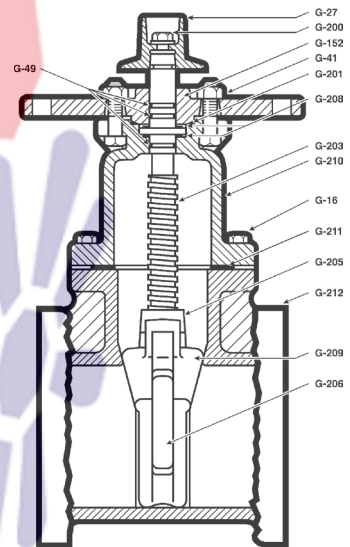
Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

**PARTS LIST**

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
G-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12
G-213	Double O-ring***	Rubber	ASTM D2000
G-214	Intermediate ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-215	Gripper ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-216	End ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-217	Breakaway nut w/washer***	Steel	ASTM A108, Zinc Plated
G-218	T-head Bolt (not shown)	Steel	ASTM A242, Low Alloy (Corten)

**DIMENSIONS**

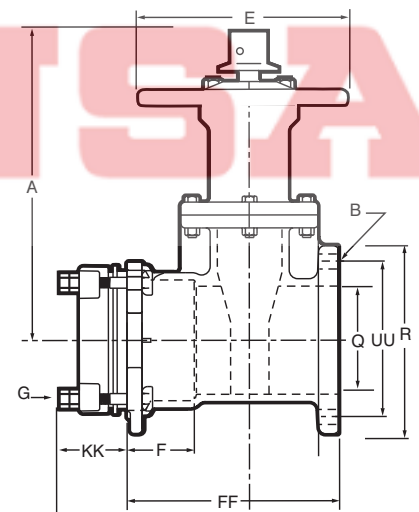
Dimension*	Nominal size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
FF	10.84	12.81	14.22	15.53	16.45
E	12.00	12.00	12.00	12.00	12.00
F	3.70	3.70	3.70	3.89	3.89
G (number and size of holes for AquaGrip)	4--.88"	4--.88"	6--.88"	8--.88"	8--.88"
R	9.00	11.00	13.50	16.00	19.00
Q (Bore)	4.30	6.30	8.30	10.30	12.30
KK	2.75	3.75	3.75	3.75	3.75
UU (bolt circle diameter for FL)	7.50	9.50	11.75	14.25	17.00
B (number and size holes for FL)	8--.75"	8--.88"	8--.88"	12--1.00"	12--1.00"
Turns to open	14	20.5	26.5	33.0	38.5
Weight*	117	159	235	375	460

See page B-1-22 for ordering instructions.

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

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

***Parts for AquaGrip connection not shown - one required for each AquaGrip connection.



FIRE PROTECTION PRODUCTS

P-2361-77

AQUAGRIP ENDS X AQUAGRIP ENDS
FOR DIPSIndicator Post Style Stuffing Box
2" Square Wrench Nut

- 4", 6", 8", 10", 12" SIZE FOR DIPS
- 4", 6", 8" SIZE FOR IPS
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES

P-2361-87

AQUAGRIP ENDS X AQUAGRIP ENDS
FOR IPSIndicator Post Style Stuffing Box
2" Square Wrench Nut

- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

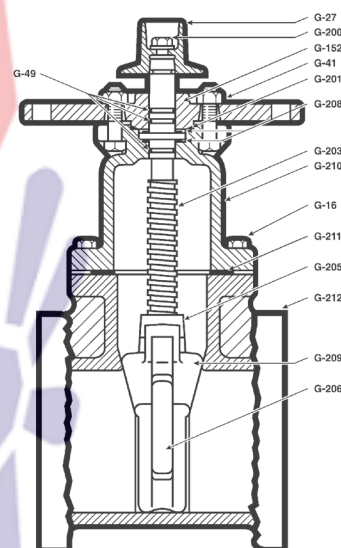


Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
G-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12
G-213	Double O-ring***	Rubber	ASTM D2000
G-214	Intermediate ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-215	Gripper ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-216	End ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-217	Breakaway nut w/washer***	Steel	ASTM A108, Zinc Plated
G-218	T-head Bolt (not shown)	Steel	ASTM A242, Low Alloy (Corten)



DIMENSIONS

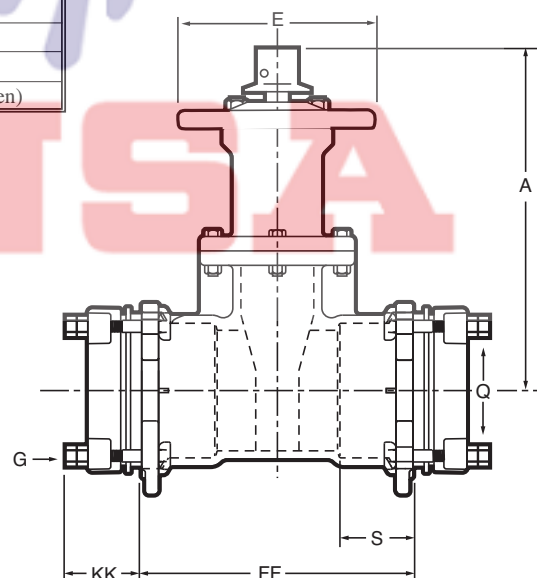
Dimension*	Nominal size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
E	12.00	12.00	12.00	12.00	12.00
F F	12.68	15.12	16.94	18.06	18.90
G (number and size of holes for AquaGrip)	4--.88"	4--.88"	6--.88"	8--.88"	8--.88"
Q (bore)	4.30"	6.30"	8.30"	10.30	12.30
S	3.70	3.70	3.70	3.89	3.89
KK	2.75	3.75	3.75	3.75	3.75
Turns to open	14	20.5	26.5	33.0	38.5
Weight*	129	172	266	390	485

See page B-1-22 for ordering instructions.

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

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

***Parts for AquaGrip connection not shown - one required for each AquaGrip connection.



Shaded area
indicates
change**N.R.S. RESILIENT WEDGE
GATE VALVE WITH
AQUAGRIP™ x MJ. ENDS****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****P-2361-78****AQUAGRIP ENDS X MECHANICAL JOINT
FOR DIPS**

Indicator Post Style Stuffing Box

2" Square Wrench Nut

- 4", 6", 8", 10", 12" SIZE FOR DIPS
- 4", 6", 8" SIZE FOR DIPS FOR IPS
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

P-2361-88**AQUAGRIP ENDS X MECHANICAL JOINT
FOR IPS**

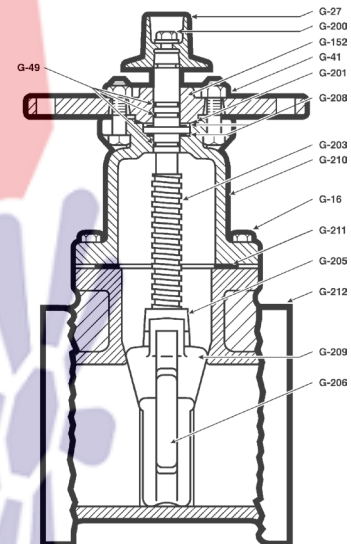
Indicator Post Style Stuffing Box

2" Square Wrench Nut

- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

**PARTS LIST**

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
G-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12
G-213	Double O-ring***	Rubber	ASTM D2000
G-214	Intermediate ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-215	Gripper ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-216	End ring***	Ductile Iron	ASTM A536 Grade 65-45-12
G-217	Breakaway nut w/washer***	Steel	ASTM A108, Zinc Plated
G-218	T-head Bolt (not shown)	Steel	ASTM A242, Low Alloy (Corten)

**DIMENSIONS**

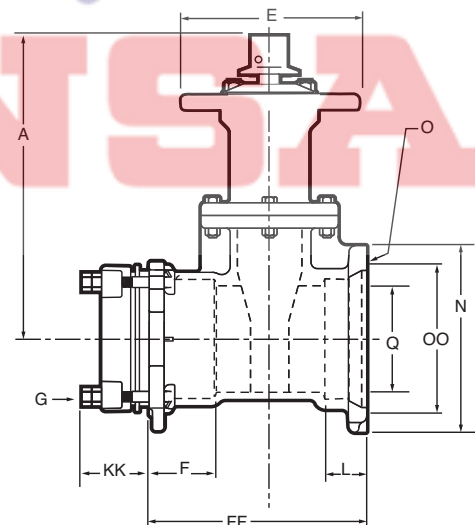
Dimension*	Nominal size				
	4"	6"	8"	10"	12"
A	14.19	18.00	21.50	25.50	28.62
E	12.00	12.00	12.00	12.00	12.00
F	3.50	3.70	3.70	3.89	3.89
G (number and size of holes AquaGrip)	4--.88"	4--.88"	6--.88"	8--.88"	8--.88"
L	2.50	2.50	2.50	2.50	2.50
N	9.12	11.12	13.37	15.62	17.88
O (number and size of holes for MJ)	4--.88"	6--.88"	6--.88"	8--.88"	8--.88"
Q (Bore)	4.30	6.30	8.30	10.30	12.30
FF	11.34	13.31	14.72	16.41	16.89
KK	2.75	3.75	3.75	3.75	3.75
OO (bolt circle diameter for MJ)	7.50	9.50	11.75	14.00	16.25
Turns to open	14	20.5	26.5	33.0	38.5
Weight*	118	179	274	405	575

See page B-1-22 for ordering instructions.

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

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

***Parts for AquaGrip connection not shown - one required for each AquaGrip connection.



P-2360-6 FLANGED ENDS
Indicator Post Style Stuffing box
2" Square Operating Nut

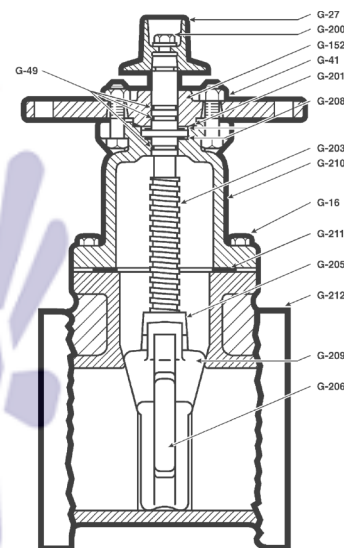
- 4", 6", 8", 10" AND 12" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- CAST IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

**PARTS LIST**

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
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

**DIMENSIONS**

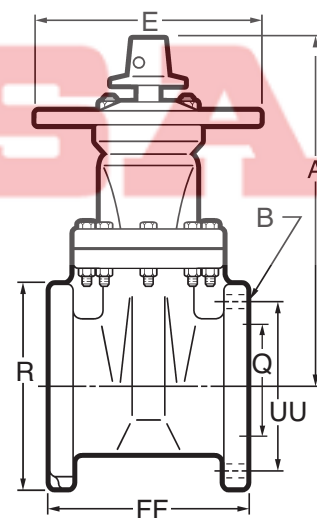
Dimension*	Size				
	4"	6"	8"	10"	12"
A	14.19"	18.00"	21.50"	25.50"	28.62"
R	9.00"	11.00"	13.50"	16.00"	19.00"
FF	9.00"	10.50"	11.50"	13.00"	14.00"
E	12.00"	12.00"	12.00"	12.00"	12.00"
Q (Bore)	4.30"	6.30"	8.30"	10.30"	12.30"
UU	7.50"	9.50"	11.75"	14.25"	17.00"
B (number and size of holes)	8--.75"	8--.88"	8--.88"	12--1"	12--1"
Turns to open	14	20.5	26.5	33	38.5
Weight (lbs.)*	113	172	263	398	520

See page B-1-22 for ordering instructions.

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

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

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



**N.R.S. RESILIENT WEDGE
GATE VALVES
FLANGED ENDS****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****P-2361-6** FLANGED ENDS
Indicator Post Style Stuffing box
2" Square Operating Nut

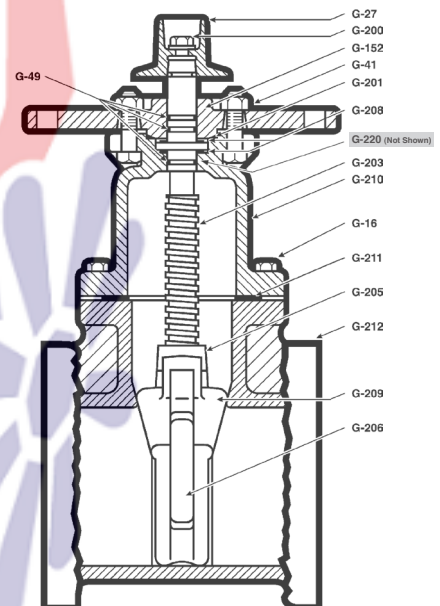
- 14", 16", 18", 20" AND 24" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND COMPLIES WITH NSF-61
- 14" AND 16" SIZES ALSO MEET OR EXCEED FM 1120/1130 SPECIFICATIONS
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 14"-16" 250 PSIG (1723 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- 18"-24" 175 PSIG (1207 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/ AWWA C550 AND COMPLIES WITH NSF-61

**Options**

- STAINLESS STEEL FASTENERS: TYPE 304, TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 Grade 65-45-12
G-200	Wrench Nut Cap Screw	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138***
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-208	Anti-friction Washers (2)	Brass	
G-209	Wedge, Rubber Encapsulated	Ductile Iron**	ASTM A536 Grade 65-45-12
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-220	Bonnet Bushings (18"-24")	Brass	ASTM B62
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12

**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)	12-1.12"	16-1.12"	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

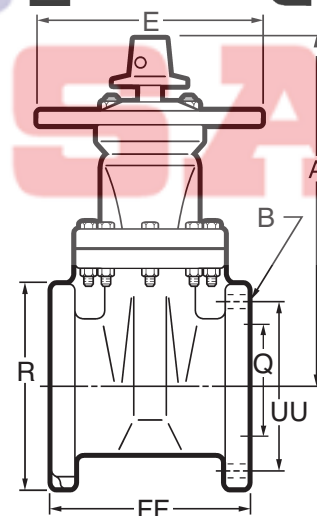
See page B-1-22 for ordering instructions.

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

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

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

*** 18" - 24" ASTM B584



FIRE PROTECTION PRODUCTS

P-2360-16 (with M.J. Accessories*)

P-2360-19 (less M.J. Accessories)

FLANGED X MECHANICAL JOINT ENDS

Indicator Post Style Stuffing box

2" Square Operating Nut

- 4", 6", 8", 10" AND 12" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- CAST IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
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

DIMENSIONS

Dimension*	Size				
	4"	6"	8"	10"	12"
A	14.19"	18.00"	21.50"	25.50"	28.62"
R	9.00"	11.00"	13.50"	16.00"	19.00"
FF	9.50"	11.00"	12.00"	13.88"	14.44"
E	12.00"	12.00"	12.00"	12.00"	12.00"
UU (Bolt Circle for FL)	7.50"	9.50"	11.75"	14.25"	17.00"
Q (Bore)	4.30"	6.30"	8.30"	10.30"	12.30"
OO (Bolt Circle for MJ)	7.50"	9.50"	11.75"	14.00"	16.25"
N	9.12"	11.12"	13.37"	15.62"	17.88"
L	2.50"	2.50"	2.50"	2.50"	2.50"
B (number and size of holes for FL)	8--.75"	8--.88"	8--.88"	12---1"	12---1"
O (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.)*	120	172	264	397	522

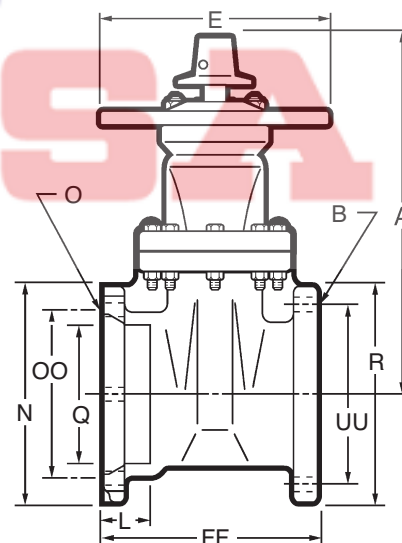
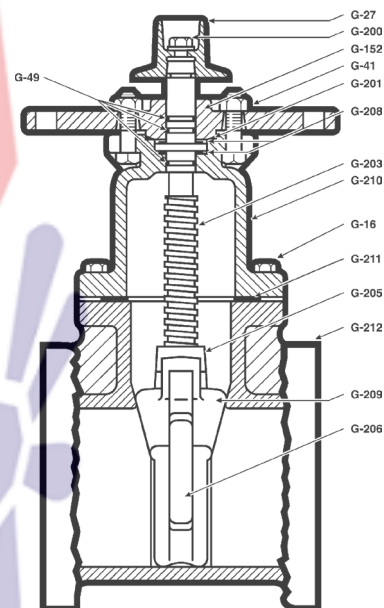
See page B-1-22 for ordering instructions.

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

+ 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.



Shaded area
indicates
change**N.R.S. RESILIENT WEDGE
GATE VALVES
FL X MJ****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****P-2361-16** (with M.J. Accessories[†])**P-2361-19** (less M.J. Accessories)

FLANGED X MECHANICAL JOINT ENDS

Indicator Post Style Stuffing box

2" Square Operating Nut

- 14", 16", 18", 20" AND 24" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND COMPLIES WITH NSF-61
- 14" AND 16" SIZES ALSO MEET OR EXCEED FM 1120/1130 SPECIFICATIONS
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 14"-16" 250 PSIG (1723 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- 18"-24" 175 PSIG (1207 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 304, TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 Grade 65-45-12
G-200	Wrench Nut Cap Screw	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138***
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-208	Anti-friction Washers (2)	Brass	
G-209	Wedge, Rubber Encapsulated	Ductile Iron**	ASTM A536 Grade 65-45-12
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-220	Bonnet Bushings (18"-24")	Brass	ASTM B62
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12

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	17.41"	17.91"	17.00"	18.00"	20.00"
E	12.00"	12.00"	12.00"	12.00"	12.00"
UU (Bolt circle for FL)	18.75"	21.25"	22.75"	25.00"	29.50"
Q (Bore)	14.38"	16.00"	18.38"	20.38"	24.38"
OO (Bolt circle for MJ)	18.75"	21.00"	23.25"	25.5"	30.0"
N	20.25"	22.56"	24.87"	27.24"	31.88"
L	3.50"	3.50"	3.50"	3.50"	3.50"
B (number and size of holes for FL)	12-1.12"	16-1.12"	16-1.25"	20-1.25"	20-1.25"
O (number and size of holes for MJ)	10-0.88"	12-0.88"	12-0.88"	14-0.88"	16-0.88"
Turns to open	43.5	49	57	63	75
Weight (lbs.)*	655	875	1298	1640	2423

See page B-1-22 for ordering instructions.

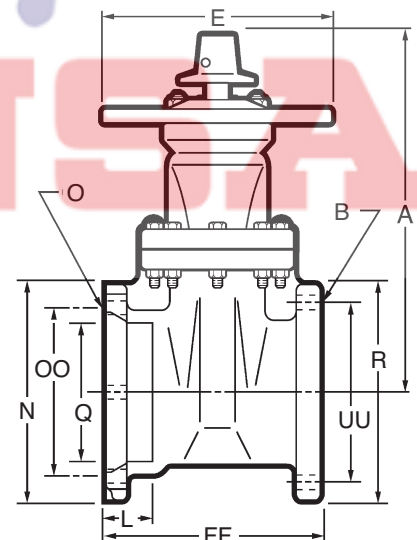
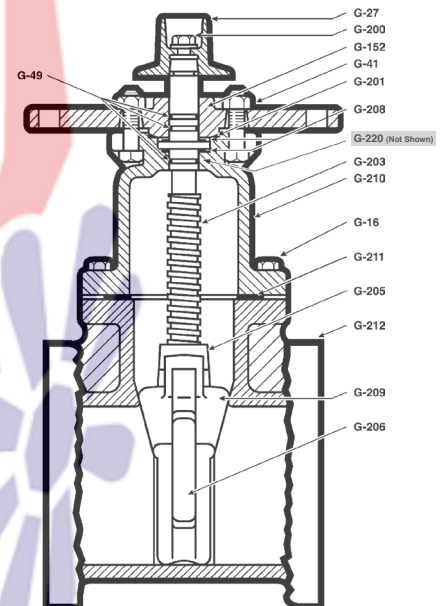
NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

+ 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.

*** 18" - 24" ASTM B584



P-2360-20 (with M.J. Accessories*)

P-2360-23 (less M.J. Accessories)

MECHANICAL JOINT ENDS

Indicator Post Style Stuffing box

2" Square Operating Nut

- 4", 6", 8", 10" AND 12" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- CAST IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM

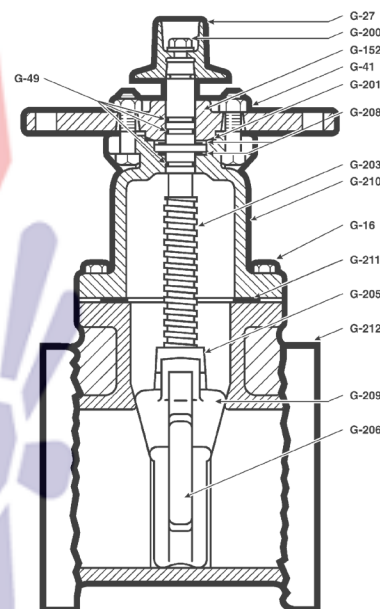
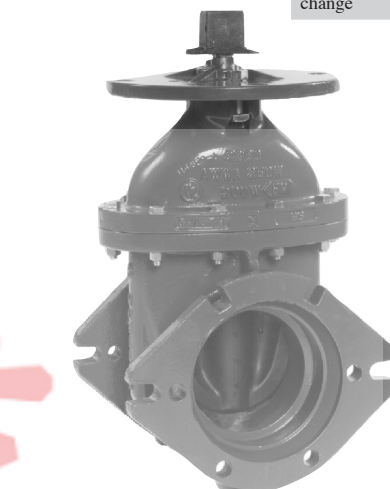
- RUBBER ENCAPSULATED IRON WEDGE
- 200 PSIG (1379 KPA) MAXIMUM WORKING PRESSURE, 400 PSIG (2758 KPA) STATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Cast Iron	ASTM A126 CL.B
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Thermal Plastic	
G-208	Anti-friction Washers (2)	Thermal Plastic	
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

**DIMENSIONS**

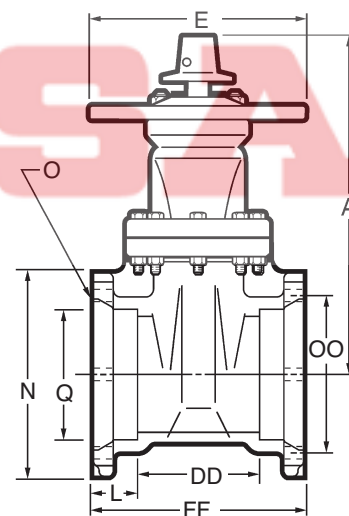
Dimension*	Size				
	4"	6"	8"	10"	12"
A	14.19"	18.00"	21.50"	25.50"	28.62"
FF	10.00"	11.50"	12.50"	14.75"	14.88"
E	12.00"	12.00"	12.00"	12.00"	12.00"
Q (Bore)	4.30"	6.30"	8.30"	10.30"	12.30"
OO	7.50"	9.50"	11.75"	14.00"	16.25"
N	9.12"	11.12"	13.37"	15.62"	17.88"
L	2.50"	2.50"	2.50"	2.50"	2.50"
DD	5.00"	6.50"	7.50"	9.75"	9.88"
O (number and size of holes)	4--.88"	6--.88"	6--.88"	8--.88"	8--.88"
Turns to open	14	20.5	26.5	33	38.5
Weight (lbs.)*	120	186	280	405	540

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.



Shaded area
indicates
change**N.R.S. RESILIENT WEDGE
GATE VALVES
MECHANICAL JOINT****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****P-2361-20** (with M.J. Accessories[†])**P-2361-23** (less M.J. Accessories)

MECHANICAL JOINT ENDS

Indicator Post Style Stuffing box

2" Square Operating Nut

- 14", 16", 18", 20" AND 24" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND COMPLIES WITH NSF-61
- 14" AND 16" SIZES ALSO MEET OR EXCEED FM 1120/1130 SPECIFICATIONS
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- NON-RISING BRONZE STEM
- RUBBER ENCAPSULATED IRON WEDGE
- 14"-16" 250 PSIG (1723 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- 18"-24" 175 PSIG (1207 KPA) MAXIMUM WORKING PRESSURE, 500 PSIG (3447 KPA) HYDROSTATIC TEST
- TRIPLE O-RING SEAL STUFFING BOX (2 UPPER & 1 LOWER O-RINGS)
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 304, TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-27	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-41	Stuffing Box Bolts & Nuts	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-49	Stem O-rings (3)	Rubber	ASTM D2000
G-152	Stuffing Box	Ductile Iron	ASTM A536 Grade 65-45-12
G-200	Wrench Nut Cap Screw	Carbon Steel	ASTM A307 Grad B, Zinc Plated
G-201	Stuffing Box Seal	Rubber	ASTM D2000
G-203	Stem	Bronze	ASTM B138***
G-205	Stem Nut	Bronze	ASTM B62
G-206	Guide Cap Bearings	Celcon	
G-208	Anti-friction Washers (2)	Brass	
G-209	Wedge, Rubber Encapsulated	Ductile Iron**	ASTM A536 Grade 65-45-12
G-210	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-220	Bonnet Bushings (18"-24")	Brass	ASTM B62
G-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12

DIMENSIONS

Dimension*	Size				
	14"	16"	18"	20"	24"
A	32.75"	37.88"	44.19"	48.25"	53.88"
FF	19.88"	19.75"	21.00"	21.50"	23.50"
E	12.00"	12.00"	12.00"	12.00"	12.00"
Q (Bore)	14.38"	16.00"	18.38"	20.38"	24.38"
OO (Bolt circle for MJ)	18.75"	21.00"	23.25"	25.50"	30.00"
N	20.25"	22.56"	24.87"	27.24"	31.88"
L	3.50"	3.50"	3.50"	3.50"	3.50"
DD	12.81"	12.63"	13.90"	14.50"	16.50"
O (number and size of holes)	10-0.88"	12-0.88"	12-0.88"	14-0.88"	16-0.88"
Turns to open	43.5	49	57	63	75
Weight (lbs.)*	650	931	1298	1640	2423

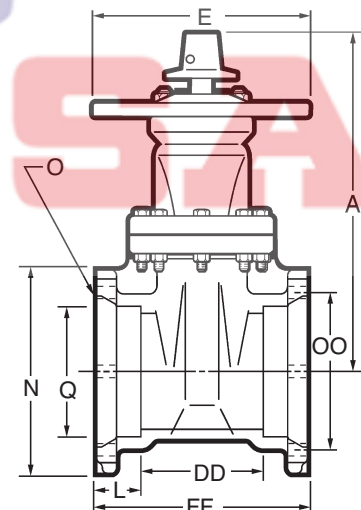
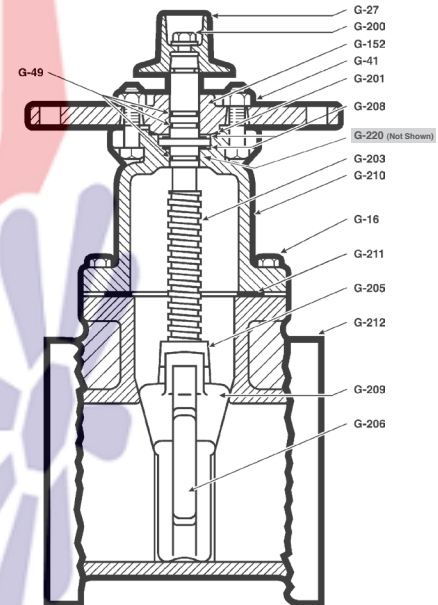
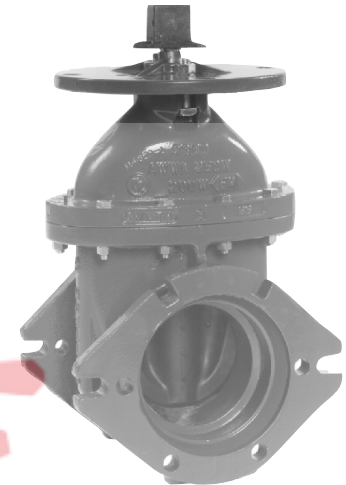
See page B-1-22 for ordering instructions.

+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.

*** 18" - 24" ASTM B584



UL / FM

FIRE PROTECTION PRODUCTS

Mueller Co.

O.S.&Y. RESILIENT WEDGE GATE VALVES FLANGED ENDS

**SECTION
B-1**

Rev. 3-11

Shaded area
indicates
change

R-2360-6: O.S.&Y. RESILIENT WEDGE GATE VALVE WITH FLANGE ENDS

- 2-1/2", 3", 4", 6", 8", 10" AND 12" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- CAST IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- OUTSIDE SCREW AND YOKE (O.S.&Y.)
- FLANGED END DIMENSIONS AND DRILLING
- RUBBER ENCAPSULATED IRON WEDGE
- ADJUSTABLE PACKING
- HANDWHEEL – OPEN LEFT OR OPEN RIGHT
- 200 PSIG (1379KPA) MAXIMUM WORKING PRESSURE - 400 PSIG (2758 KPA) STATIC TEST
- EPOXY COATING MEETS OR EXCEEDS ANSI/ AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-1	Cap Nut	Bronze	ASTM B62
G-3	Hand Wheel	Cast Iron	ASTM A126 CL.B
G-4	Washer	Brass	
G-5	Bush Nut	Bronze	ASTM B584
G-7	Gland Nut	Bronze	ASTM B21 Alloy 464
G-8	Packing Gland	Ductile Iron	ASTM A536 Grade 65-45-12
G-10	Gland Bolt	Stainless Steel	Type 304
G-11††	Yoke Bolt & Nut	Stainless Steel	Type 304
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-23	Stem Packing	Lubricated Flax	
G-206	Guide Cap Bearings	Celcon	
G-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
G-211	Bonnet Gasket	Rubber	ASTM D2000
G-212	Body	Cast Iron	ASTM A126 CL.B
G-213	Stem	Bronze	ASTM B138
G-214†	Bonnet & Yoke w/Bushing	Cast Iron	ASTM A126 CL.B
G-215††	Bonnet	Cast Iron	ASTM A126 CL.B
G-216††	Yoke	Cast Iron	ASTM A126 CL.B
G-217	O-ring	Nitrile	ASTM D2000
G-218	Disc Nut	Bronze	ASTM B62
G-219	Stem Nut Pin	Stainless Steel	Type 304

DIMENSIONS

Dimension*	Size						
	2-1/2"	3"	4"	6"	8"	10"	12"
A	19.50"	19.25"	23.68"	31.38"	38.50"	47.00"	53.50"
AA	15.75"	15.50"	19.00"	24.50"	29.50"	35.75"	40.50"
E	7.00"	7.00"	10.00"	12.00"	14.00"	16.00"	16.00"
R	7.00"	7.50"	9.00"	11.00"	13.50"	16.00"	19.00"
FF	7.50"	8.00"	9.00"	10.50"	11.50"	13.00"	14.00"
UU	5.50"	6.00"	7.50"	9.50"	11.75"	14.25"	17.00"
FFF (number and size of holes)	4--.75"	4--.75"	8--.75"	8--.88"	8--.88"	12--1"	12--1"
Turns to open	11	11	14	20.5	27	33.5	39
Weight (lbs.)*	68	72	130	194	289	448	596

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

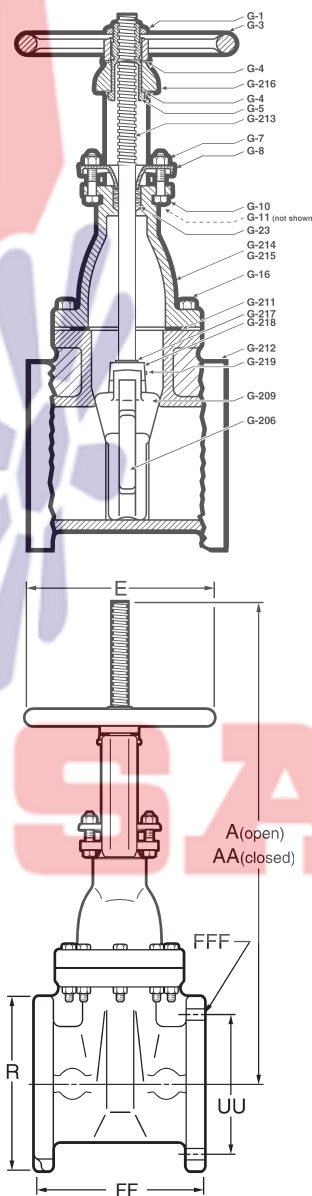
See page B-1-22 for ordering instructions.

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

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

† 2-1/2" - 6" sizes have a one-piece bonnet & yoke.

†† 8" - 12" sizes have a two-piece bonnet & yoke.



**O.S.&Y. RESILIENT WEDGE
GATE VALVES
FLANGED ENDS****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS****R-2361-6: O.S.&Y. RESILIENT WEDGE GATE VALVE WITH FLANGE ENDS**

- 14", AND 16" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- OUTSIDE SCREW AND YOKE (O.S.&Y.)
- FLANGED END DIMENSIONS AND DRILLING
- RUBBER ENCAPSULATED IRON WEDGE
- ADJUSTABLE PACKING
- HANDWHEEL – OPEN LEFT OR OPEN RIGHT
- 250 PSIG (1723 KPA) MAXIMUM WORKING PRESSURE - 500 PSIG (3447 KPA) STATIC TEST
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 304 OR 316
- ASTM B98-C66100/H02 STEM

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-1	Cap Nut	Bronze	ASTM B62
G-3	Hand Wheel	Cast Iron	ASTM A126 CL.B
G-4	Washer	Brass	ASTM B36
G-5	Bush Nut	Bronze	ASTM B584
G-7	Gland Nut	Bronze	ASTM B98
G-8	Packing Gland	Ductile Iron	ASTM A536 Grade 65-45-12
G-10	Gland Bolt	Steel	ASTM F 1941 Zinc Plated
G-11	Yoke Bolt & Nut	Steel	ASTM F 1941 Zinc Plated
G-16	Bonnet Bolts & Nuts	Steel	ASTM F 1941 Zinc Plated
G-23	Stem Packing	Lubricated Flax	
G-206	Guide Cap Bearings	Celeon	
G-209	Wedge, Rubber Encapsulated	Ductile Iron**	ASTM A536 65-45-12
G-211	Bonnet O-ring	Rubber	ASTM D2000
G-212	Body	Ductile Iron	ASTM A536 65-45-12
G-213	Stem	Bronze	ASTM B138
G-215†	Bonnet	Ductile Iron	ASTM A536 65-45-12
G-216†	Yoke	Ductile Iron	ASTM A536 65-45-12
G-217	O-ring	Nitrile	ASTM D2000
G-218	Disc Nut	Bronze	ASTM B62
G-219	Stem Nut Pin	Stainless Steel	Type 304

DIMENSIONS

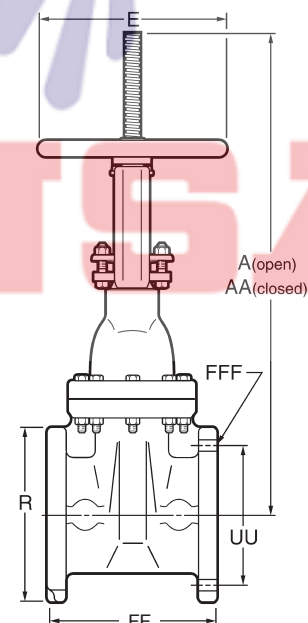
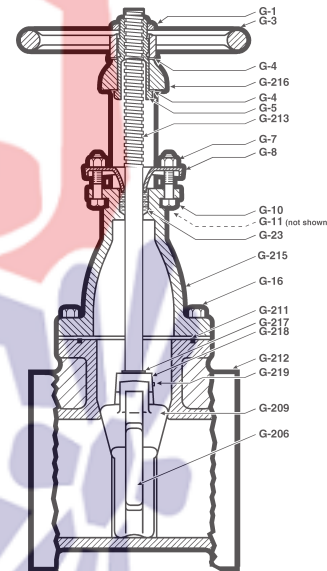
Dimension*	Size	
	14"	16"
A	64.09"	71.19"
AA	49.13"	54.63"
E	18.00"	18.00"
R	21.00"	23.50"
FF	15.06"	16.06"
UU	18.75"	21.25"
FFF (number and size of holes)	12--1.12"	16--1.12"
Turns to open	43.5	49
Weight (lbs.)*	775	984

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

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

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

†Two-piece bonnet & yoke.



FIRE PROTECTION PRODUCTS

The valves on this page are UL listed only.

R-2361-6: O.S.&Y. RESILIENT WEDGE GATE VALVE WITH FLANGE ENDS

- 18", 20" AND 24" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- OUTSIDE SCREW AND YOKE (O.S.&Y.)
- FLANGED END DIMENSIONS AND DRILLING
- EPDM ENCAPSULATED DI WEDGE
- ADJUSTABLE PACKING
- HANDWHEEL – OPEN LEFT OR OPEN RIGHT
- 175 PSIG (1207 KPA) MAXIMUM WORKING PRESSURE - 500 PSIG (3447 KPA) STATIC TEST
- EPOXY COATING MEETS OR EXCEEDS ANSI/ AWWA C550 AND COMPLIES WITH NSF-61
- BEVEL & SPUR GEAR DRIVE AVAILABLE

Options

- STAINLESS STEEL FASTENERS: TYPE 304 OR 316
- STEM: ASTM B98-C66100/H02, 431, 304 AND 316 SS

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
Y-1	Cap Nut	Bronze	ASTM B62
Y-3	Hand Wheel	Ductile Iron	ASTM A536 Grade 65-45-12
Y-4	Washer	Brass	ASTM B36
Y-5	Bush Nut	Bronze	ASTM B62
Y-7	Gland Nuts	Silicon	ASTM B98
Y-8	Packing Gland	Ductile Iron	ASTM A536 Grade 65-45-12
Y-10	Gland Bolts	Steel	SAEJ429
Y-11	Yoke Bolts & Nuts	Steel	SAEJ429
Y-16	Bonnet Bolts & Nuts	Steel	SAEJ429
Y-23	Stem Packing	Lubricated Flax	
Y-206	Guide Cap Bearings	Acetyl	
Y-209	Wedge, Rubber Encapsulated	Ductile Iron**	ASTM A536 65-45-12
Y-211	Bonnet O-ring	EPDM	ASTM D2000
Y-212	Body	Ductile Iron	ASTM A536 65-45-12
Y-213	Stem	Manganese	ASTM B138
Y-215†	Bonnet	Ductile Iron	ASTM A536 65-45-12
Y-216†	Yoke	Ductile Iron	ASTM A536 65-45-12
Y-217	O-ring	EPDM	ASTM D2000
Y-218	Disc Nut	Bronze	ASTM B62
Y-219	Stem Nut Pin	Stainless Steel	Type 304
Y-23A	Bonnet Bushing	Bronze	ASTM B62
Y-230	Eye Bolts & Nuts	Steel	Forged ASTM A563

DIMENSIONS

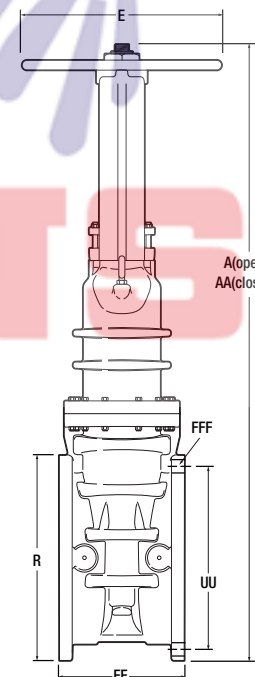
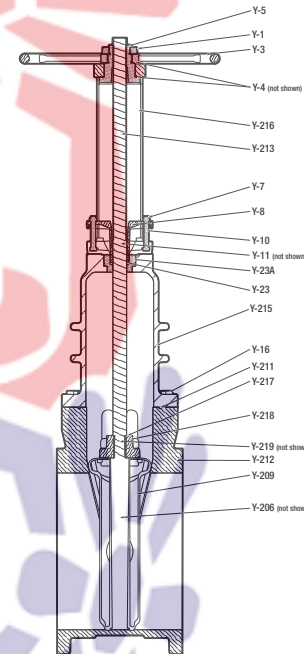
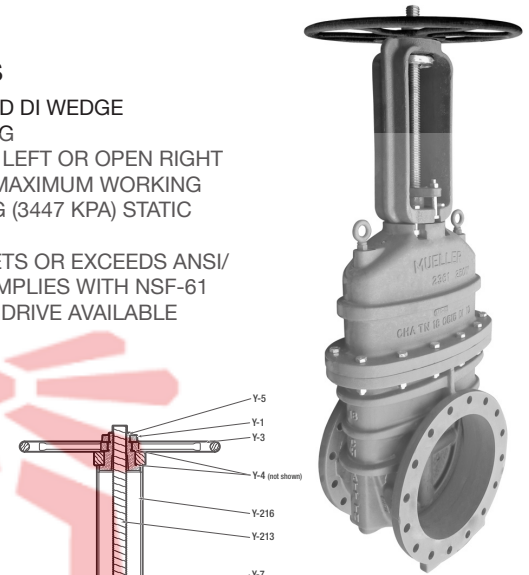
Dimension*	Size		
	18"	20"	24"
A	85.68"	93.50"	104.40"
AA	65.88"	71.50"	79.89"
E	32.00"	32.00"	32.00"
R	25.00"	27.50"	32.00"
FF	17.00"	18.00"	20.00"
UU	22.75"	25.00"	29.50"
FFF (number and size of holes)	16--1.25"	20--1.25"	20--1.38"
Turns to open	57	63	75
Weight (lbs.)*	1657	2239	2899

NOTE: Flanged ends have 125 lb. American Standard End Flange Drilling, ANSI B16.1.

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

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

†Two-piece bonnet & yoke.



O.S.&Y. RESILIENT WEDGE GATE VALVES FLANGED ENDS

Mueller Co.**UL / FM**

FIRE PROTECTION PRODUCTS

R-2365-6: O.S.&Y. RESILIENT WEDGE GATE VALVE WITH FLANGE ENDS

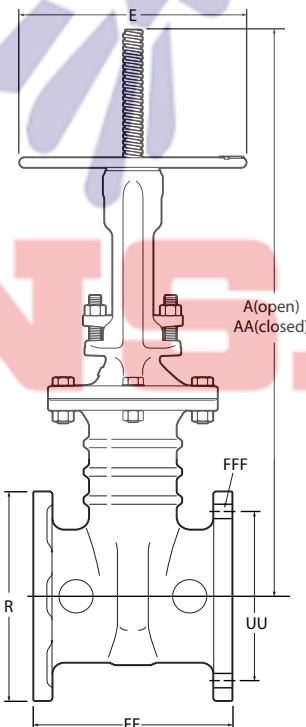
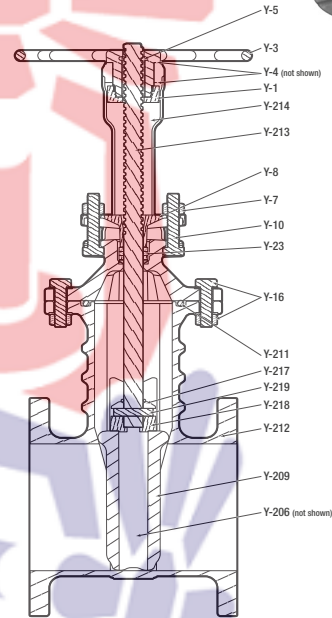
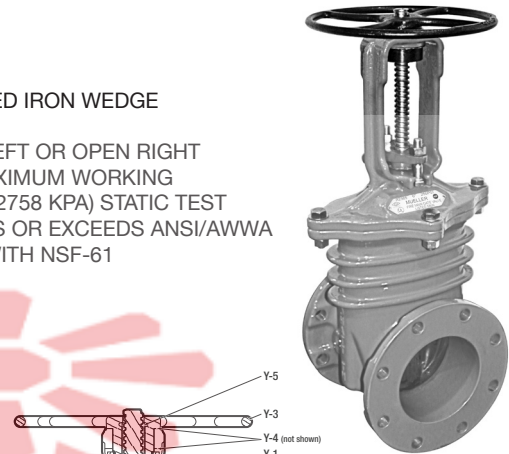
- 2-1/2", 3", 4", 6" AND 8" SIZES
- MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF UL 262 AND FM 1120/1130 SPECIFICATIONS AND COMPLIES WITH NSF-61
- DUCTILE IRON BODY WITH MUELLER® PRO-GARD™ FUSION EPOXY COATED INTERIOR & EXTERIOR SURFACES
- OUTSIDE SCREW AND YOKE (O.S.&Y.)
- FLANGED END DIMENSIONS AND DRILLING
- RUBBER ENCAPSULATED IRON WEDGE
- ADJUSTABLE PACKING
- HANDWHEEL – OPEN LEFT OR OPEN RIGHT
- 250 PSIG (1379KPA) MAXIMUM WORKING PRESSURE - 500 PSIG (2758 KPA) STATIC TEST
- EPOXY COATING MEETS OR EXCEEDS ANSI/AWWA C550 AND COMPLIES WITH NSF-61

Options

- STAINLESS STEEL FASTENERS: TYPE 316
- PN10/PN16 DRILLING
- STAINLESS STEEL STEM: TYPE 304 & 316

PARTS LIST

Catalog Part No.	Description	Material	Material Standard
Y-1	Retaining Nut	Carbon Steel E Coated	ASTM A36
Y-3	Hand Wheel	Ductile Iron	ASTM A536 Grade 65-45-12
Y-4	Washer	Brass	ASTM B36
Y-5	Bush Nut	Brass	ASTM B16
Y-7	Gland Nut	Silicon Bronze	ASTM B98
Y-8	Packing Gland	Ductile Iron	ASTM A536 Grade 65-45-12
Y-10	Gland Bolt	Stainless Steel	Type 304
Y-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
Y-23	Stem Packing	Lubricated Flax	
Y-206	Guide Cap Bearings	Acetyl	
Y-209	Wedge, Rubber Encapsulated	Cast Iron**	ASTM A126 CL.B
Y-211	Bonnet O-ring	SBR	ASTM D2000
Y-212	Body	Ductile Iron	ASTM A536 Grade 65-45-12
Y-213	Stem	Stainless Steel	Type 431
Y-214	Bonnet & Yoke	Ductile Iron	ASTM A536 Grade 65-45-12
Y-217	O-ring	Nitrile	ASTM D2000
Y-218	Disc Nut	Ductile Iron E Coated	ASTM A536 Grade 65-45-12
Y-219	Stem Nut Pin	Stainless Steel	Type 303



DIMENSIONS

Dimension*	Size				
	2-1/2"	3"	4"	6"	8"
A	20.33"	20.16"	23.63"	30.00"	37.37"
AA	16.53"	16.32"	18.94"	23.22"	28.60"
E	7.00"	7.00"	10.00"	12.00"	14.00"
R	7.00"	7.50"	9.00"	11.00"	13.50"
FF	7.50"	8.00"	9.00"	10.50"	11.50"
UU	5.50"	6.00"	7.50"	9.50"	11.75"
FFF (number and size of holes)	4--.75"	4--.75"	8--.75"	8--.88"	8--.88"
Turns to open	11	11	14	20.5	26.5
Weight (lbs.)*	50	52	76	119	182

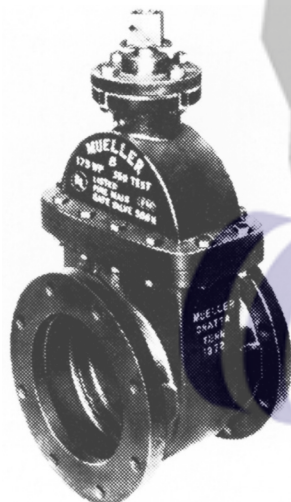
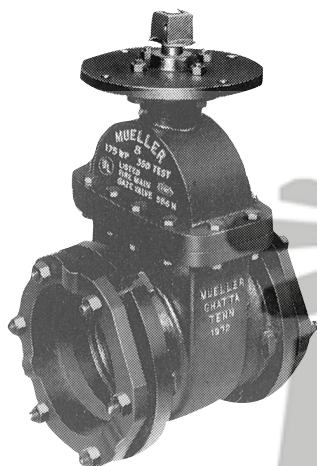
See page B-1-22 for ordering instructions.

NOTE: Flanged ends have 125lb. American Standard End Flange Drilling, ANSI B16.1.

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

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

FIRE PROTECTION PRODUCTS



MUELLER UL/FM Double-Disc Gate Valves are available in three basic designs: Non-Rising Stem (N.R.S.) with indicator Post Flange (PIV), Non-Rising Stem with AWWA Stuffing Box and Outside Screw and Yoke (O.S.&Y.) with Handwheel.

PI.V. – Gate Valves with an Indicator Post Flange have O-ring Seals, Non-Rising Stems with a 2” square Wrench Nut and are available with several different end combinations. These are used as line valves and as auxiliary valves with fire hydrants. An Indicator Post is attached to the valve to indicate if buried Gate Valve is open or closed. **The Indicator Post Flange and O-ring Stuffing Box combination is a separate part from the bonnet and is easily removed or replaced if the need should occur.**

Gate Valves without Indicator Post Flanges are identical to the P.I.V.’s described above except for the stuffing box. These valves are used with fire hydrants in areas where Post Indicators are not required, with Wall Type Indicator Posts, and in other areas where UL/FM Valves are required but Indicator Post Flanges are not necessary.

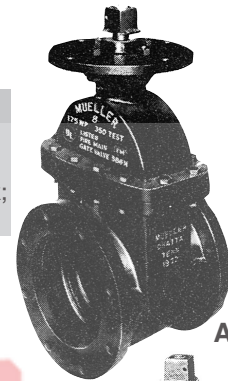
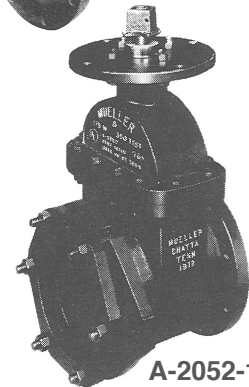
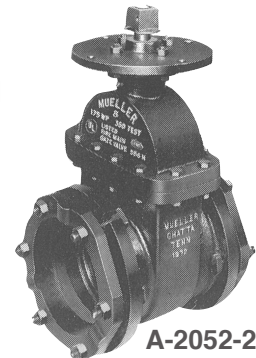
O.S.&Y – The Outside Screw and Yoke Gate Valve has adjustable packing and a handwheel, and is normally used for installations of fire protection systems, sprinkler risers, vaults, etc.

All Mueller UL/FM Gate Valves are iron body, bronze mounted, double disc, and parallel seat type. All N.R.S. Gate Valves are O-ring packed and may be ordered to open left or right. A two inch square wrench nut is standard with Handwheel optional. All Mueller O.S.&Y. Double-Disc Gate Valves have adjustable packing and may be ordered to open left or open right. A Handwheel is standard.

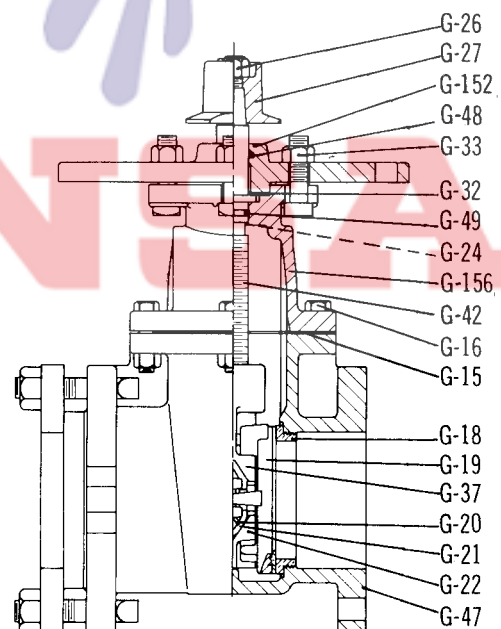
Shaded area
indicates
change**N.R.S. DOUBLE-DISC
GATE VALVES****Mueller Co.****UL / FM****FIRE PROTECTION PRODUCTS**

A-2050-6	Flanged Ends; AWWA Style Stuffing Box ; 2" Square Operating Nut (Not Shown)
A-2050-16	Flanged x Mechanical Joint Ends with MJ Accesories; AWWA Style Stuffing Box; 2" Square Operating Nut (Not Shown)
A-2050-19	Flanged x Mechanical Joint Ends LESS MJ Accesories; AWWA Style Stuffing Box; 2" Square Operating Nut (Not Shown)
A-2050-20	Mechanical Joint Ends with Accesories AWWA Style Stuffing Box; 2" Square Operating Nut (Not Shown)
A-2050-23	Mechanical Joint Ends LESS Accesories; AWWA Style Stuffing Box; (Not Shown)
A-2052-6	Flanged Ends; PIV Style Stuffing Box; 2" Square Operating Nut
A-2052-16	Flanged Ends x Mechanical Joint Ends with MJ Accesories; PIV Style Stuffing Box 2" Square Operating Nut (Not Shown)
A-2052-19	Flanged Ends x Mechanical Joint Ends LESS Accesories; PIV Style Stuffing Box; 2" Square Operating Nut (Not Shown)
A-2052-20	Mechanical Joint Ends with Accesories; PIV Style Stuffing Box; 2" Square Operating Nut
A-2052-23	Mechanical Joint Ends LESS Accesories; PIV Style Stuffing Box; 2" Square Operating Nut (Not Shown)

- 14" SIZE
- IRON BODY
- BRONZE MOUNTED
- NON-RISING STEM
- O-RING SEALS
- PARALLEL SEATS
- DOUBLE-DISC
- 150 PSI WORKING PRESSURE - 300 PSI TEST PRESSURE

**A-2052-6****A-2052-16****A-2052-20****PARTS LIST**

Catalog Part No.	Description	Material	Material Standard
G-15□	Bonnet Gasket□	Composition□	ASTM D1170 Grade P1161A
□G-16□	Bonnet Bolts & Nuts□	Steel□	ASTM A307 Grade B
□G-18□	Seat Ring□	Bronze□	ASTM B62
□G-19□	Disc□	Cast Iron□	ASTM A126 CL.B
□G-20□	Disc Pin□	Bronze□	ASTM B21 Alloy 464
□G-21□	Side Spreader□	Bronze□	ASTM B62
□G-22□	Bottom Wedge□	Cast Iron□	ASTM A126 CL.B
□G-24□	Test Plug□	Iron□	None
□G-26□	Cap Nut□	Steel□	ASTM A307 Grade B
□G-27□	Operation Nut□	Cast Iron□	ASTM A126 CL.B
□G-32□	Stuffing Box Gasket□	Fiber□	None
□G-33□	Stuffing Box Bolt & Nut□	Steel□	ASTM A307 Grade B
□G-37□	Top Wedge Nut□	Cast Iron□	ASTM A126 CL.B
□G-47□	Body □	Cast Iron□	ASTM A126 CL.B
□G-49□	Stem "O" Ring□	Rubber□	ASTM D2000 3CH720
□G-152□	Stuffing Box□	Cast Iron□	ASTM A126 CL.B
□G-48□	Stuffing Box "O" Ring□	Rubber□	ASTM D2000 3CH720
□G-42□	Stem □	Bronze□	ASTM B138 Alloy 675
□G-156□	Bonnet□	Cast Iron□	ASTM A126 CL.B
□G-50□	Stuffing Box without□	Cast Iron□	ASTM A126 CL.B□
□□	Post Indicator Flange		



FIRE PROTECTION PRODUCTS

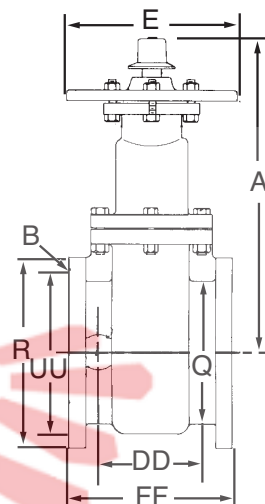
DIMENSIONS

Dimension*	14"		
	FL	FLxMJ	MJ
A	34-1/8	34-1/8	34-1/8
B	12--1-1/8	12--1-1/8	N/A
E	12	12	12
L	N/A	3-1/2	3-1/2
O	N/A	10-3/4	10-3/4
N	N/A	20-5/16	20-5/16
Q (bore)	14	14	14
R	21	21	N/A
DD	9	N/A	8
FF	15	15	15
OO	N/A	18-3/4	18-3/4
UU	18-3/4	18-3/4	N/A
Turns to open	46	46	46
Weight (lbs.)*	745	798	824

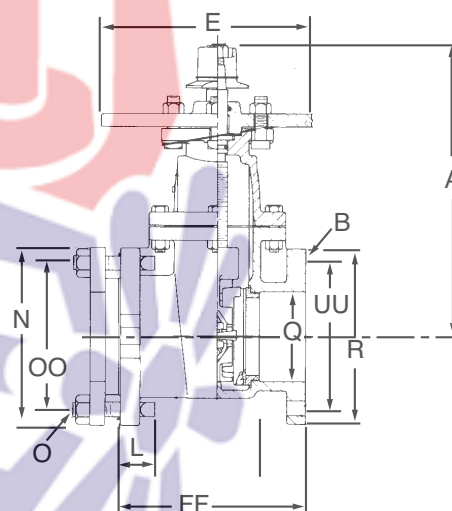
NOTE: 125 lb. American Standard End Flange Drilling ANSI B16.1.

See Page B-1-22 for ordering instructions.

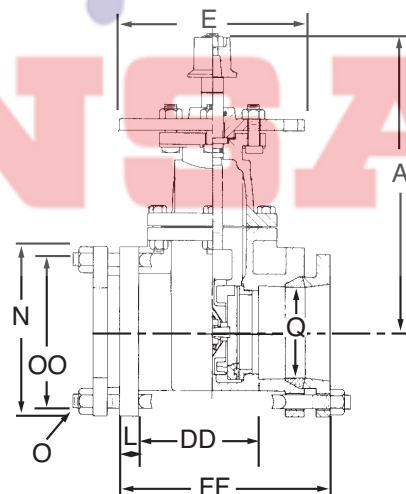
*All dimensions are in inches. All weights are in approximate pounds.



A-2052-6



A-2052-16



A-2052-20

O.S.&Y. DOUBLE-DISC
GATE VALVES

Mueller Co.

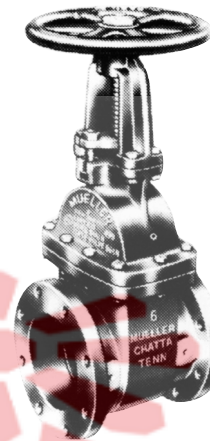
UL / FM

FIRE PROTECTION PRODUCTS

A-2073-6

Flanged Ends
Adjustable Packing
Handwheel

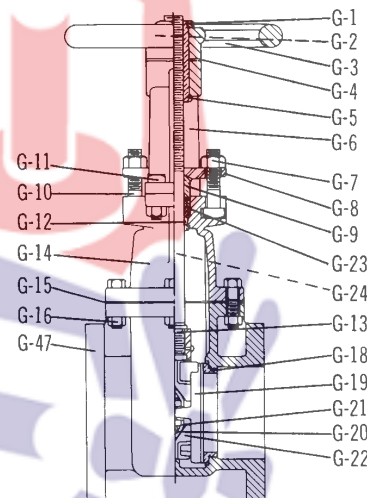
- 14" SIZES
- IRON BODY
- BRONZE MOUNTED
- OUTSIDE SCREW AND YOKE
- PARALLEL SEATS
- DOUBLE DISC
- 150 PSI WORKING PRESSURE
- 300 PSI TEST PRESSURE



A-2073-6

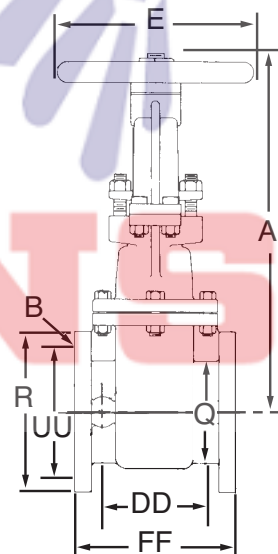
PARTS LIST

Catalog Part No.	Description	Material	Material Standard
G-1□	Cap Nut □	Bronze□	ASTM B62
□G-2□	Handwheel Key□	Steel□	AISI C1018 or C1020
□G-3□	Handwheel□	Cast Iron□	STME A126 CL.B
□G-4□	Washer□	Brass□	None
□G-5□	Bushing Nut□	Bronze□	ASTM B584 Alloy 905□
□G-6□	Yoke□	Cast Iron□	ASTM A126 CL.B
□G-7□	Gland Nut□	Bronze□	ASTM B16
□G-8□	Gland Flange□	Malleable Iron□	ASTM A536 Grade 65-45-12
□G-9□	Gland□	Bronze□	ASTM B62
□G-10□	Gland Bolt□	Steel□	ASTM A307 Grade B
□G-11□	Yoke Bolt□	Steel□	ASTM A307 Grade B
□G-12□	Bonnet Bushing□	Bronze□	ASTM B62
□G-13□	Stem□ Top Wedge□	Bronze□ Cast Iron□	ASTM B138 Alloy 675 ASTM A126 CL.B
□G-14□	Bonnet □	Cast Iron □	ASTM A126 CL.B
□G-15□	Bonnet Gasket□	Composition□	ASTM D1170 Grade P1161A
□G-16□	Bonnet Bolts and Nuts□	Steel □	ASTM A307 Grade B
□G-18□	Seat Ring□	Bronze□	ASTM B62
□G-19□	Disc□	Cast Iron□	ASTM A126 CL.B
□G-20□	Disc Pin□	Bronze□	ASTM B21 Alloy 464
□G-21□	Side Spreader□	Bronze□	ASTM B62
□G-22□	Bottom Wedge□	Cast Iron□	ASTM A126 CL.B
□G-23□	Stem Packing□	Lubricated Flax□	Federal HH-P106C
□G-24□	Test Plug□	Iron□	None
□G-47□	Body□	Cast Iron□	ASTM A126 CL.B



DIMENSIONS

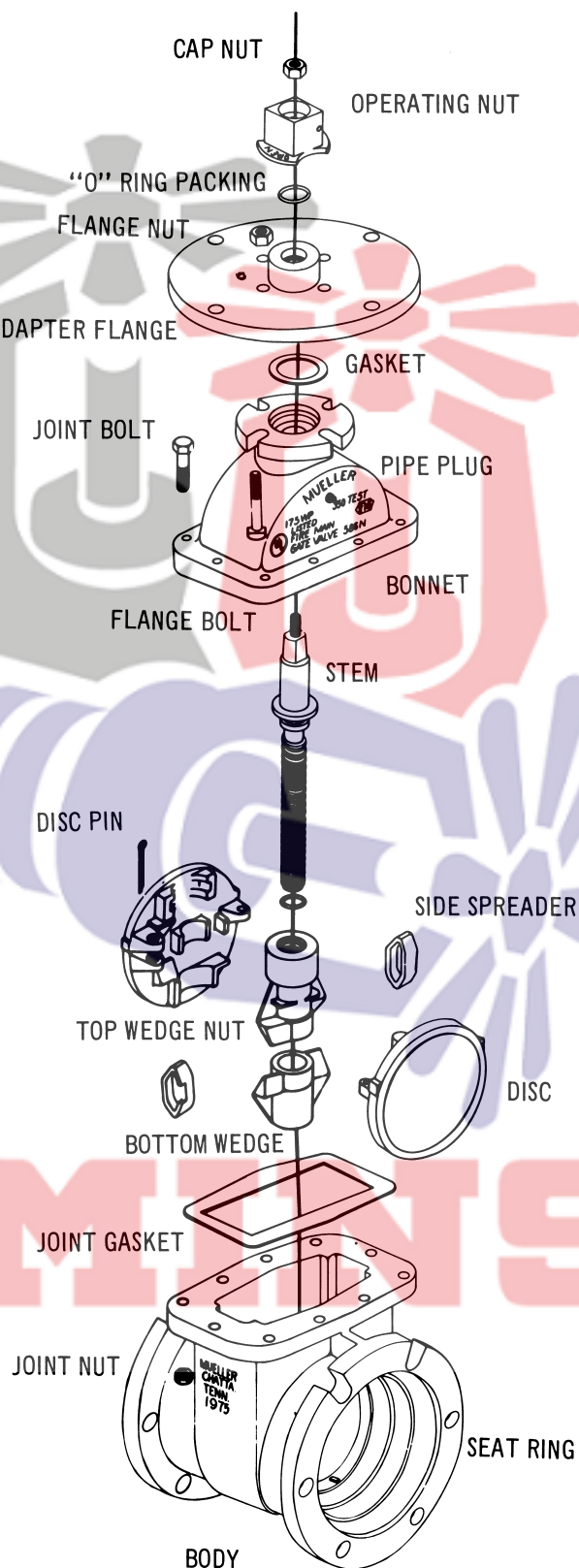
Dimension	14"		
	FL	FLxMJ	MJ
A	50-1/2	50-1/8	50-1/8
B	12--1-1/8	12--1-1/8	N/A
E	18	18	18
L	N/A	3-1/2	3-1/2
O	N/A	10--3/4	10--3/4
N	N/A	20-5/16	20-5/16
Q (bore)	14	14	14
R	21	21	N/A
DD	9	N/A	8
FF	15	15	15
OO	N/A	18-3/4	18-3/4
UU	18-3/4	18-3/4	N/A
Turns to open	46	46	46
Weight (lbs.)*	813	843	865



NOTE: 125 lb. American Standard End Flange Drilling ANSI B16.1.

See page B-1-22 for ordering instructions.

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

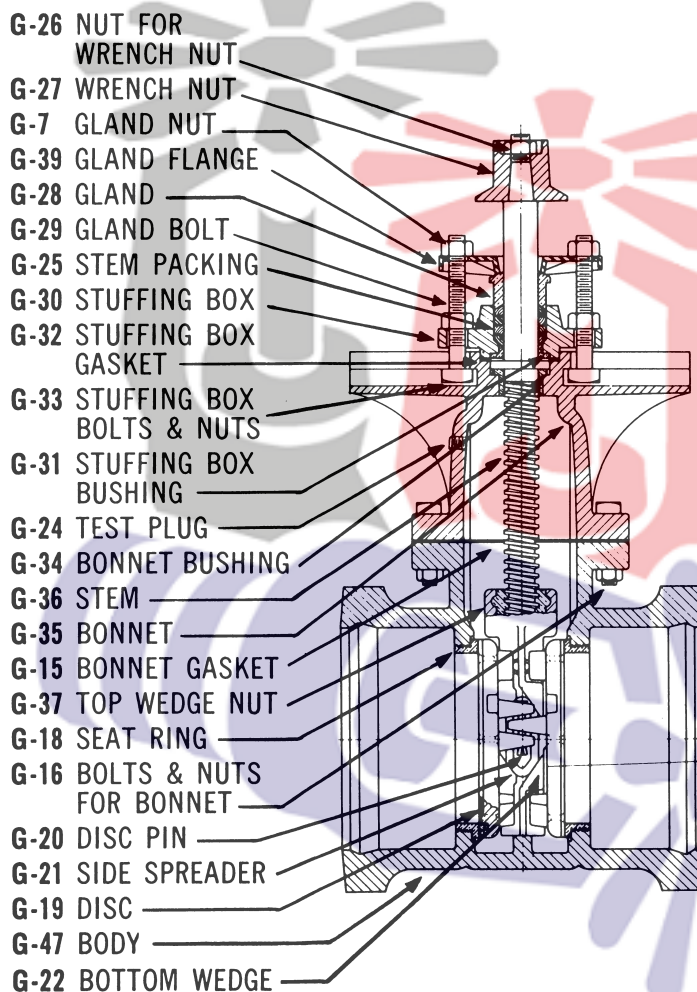


**N.R.S. DOUBLE-DISC
GATE VALVE PARTS
(PRIOR TO 1973)**

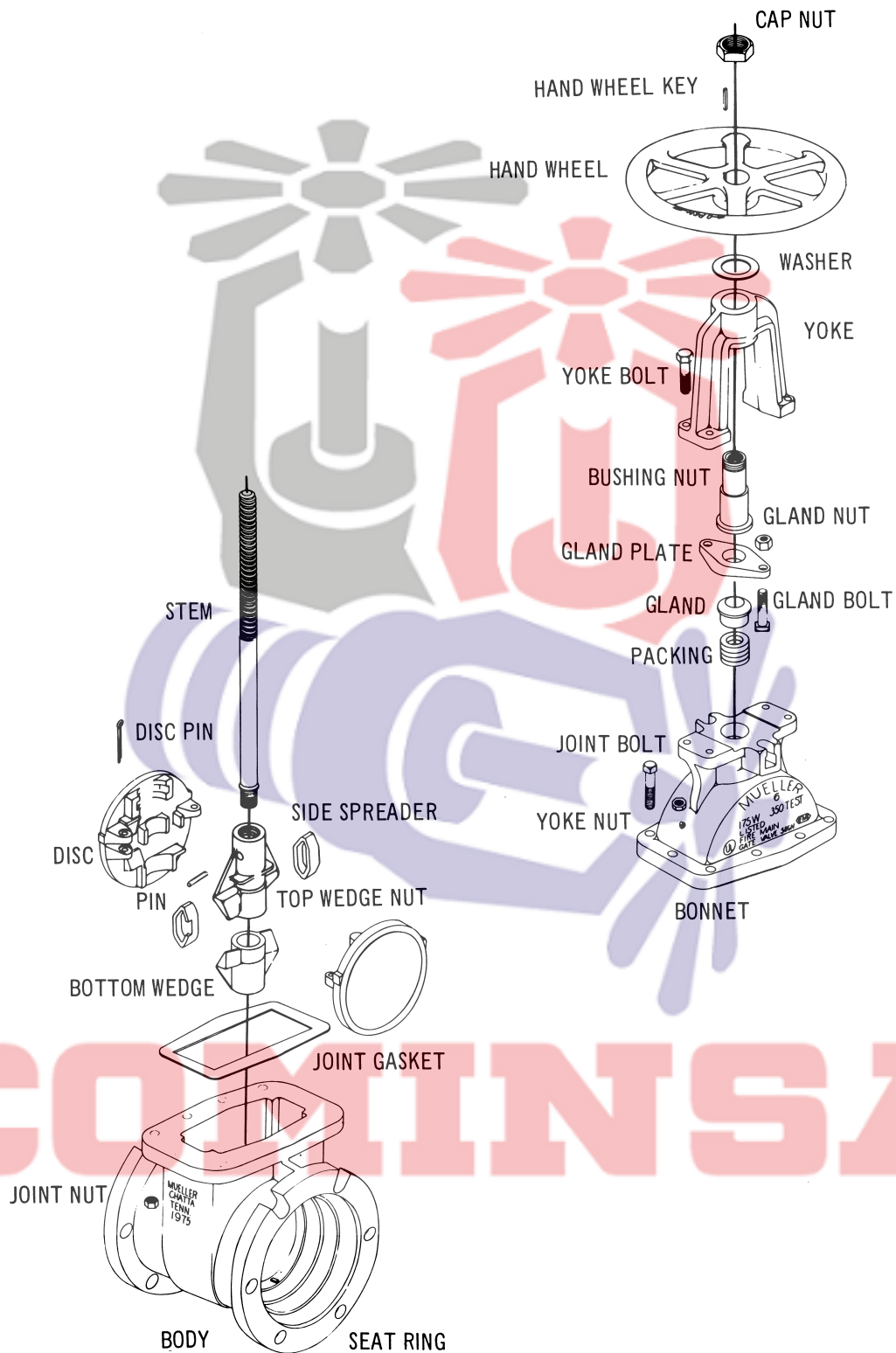
Mueller Co.

UL / FM

FIRE PROTECTION PRODUCTS



COMINSA



GATE VALVE ORDERING INSTRUCTIONS

Mueller Co.

UL / FM

FIRE PROTECTION PRODUCTS

When ordering Mueller® Gate Valves, specify the following:

1. Quantity If more than one size, quantity of each
2. Size of valve Shown on Page B-1-5 through B-1-15
3. Catalog number Shown on Pages B-1-5 through B-1-15
4. Direction of opening Usually left (counter-clockwise).

Where previous valves open right (clockwise, new valves should open in same direction (Wrench nuts on valves that open to the right are painted red for identification.

5. Method operation 2" square wrench nut or handwheel is available.

When ordering parts for Mueller Gate Valves, Specify the following:

1. Quantity
2. Size of Valve
3. Part Name and Number - when ordering valve body, specify type of ends desired
4. Valve catalog number
5. Direction of opening
6. Year date of valve

COMINSA