

MUELLER® 2360 SERIES™ RESILIENT WEDGE GATE VALVE

Mueller Co.

10.1

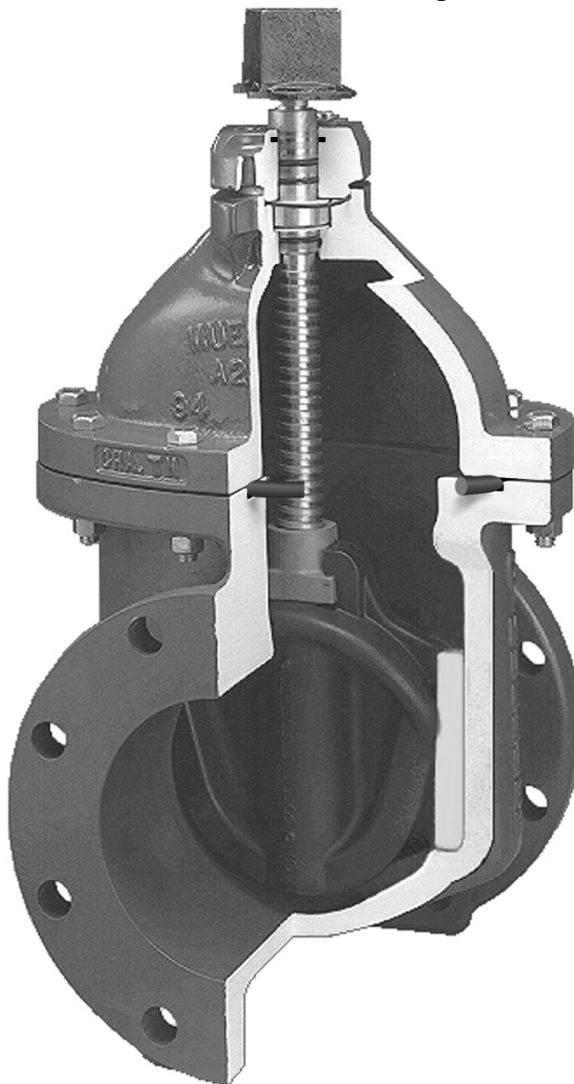
Rev. 12-12 Shaded area indicates change.

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" – 12" 2360 Series Resilient Wedge Gate Valve Features

- ❑ TRIPLE O-RING SEALS PLUS DIRT SEAL – two above thrust collar and one below, retain lubricant in this critical area. Top two are replaceable with valve fully open and under pressure. Fourth seal at top serves as dirt seal‡.
- ❑ TWO ANTI-FRICTION WASHERS WITH LUBRICATION – made of polymer, one above and one below the thrust collar, reduce operating torque to open or close valve.
- ❑ STEM – forged manganese bronze bar stock is upset, then machined to form a thrust collar for superior strength in this critical area.
- ❑ WEDGE – cast iron, fully encapsulated in molded rubber - no exposed iron.
- ❑ EXTENDED WEDGE GUIDES – molded as part of wedge, ride inside body channels to maintain wedge alignment throughout its travel.
- ❑ 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. Rollers, tracks or scrapers are not needed.



- ❑ 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.
- ❑ 250 PSIG MAXIMUM WORKING PRESSURE – Hydrostatically tested at 500 psig. Surpasses ANSI/AWWA Standard C509 by 25%. UL/FM: 200 psig MWP.***
- ❑ 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 14" – 54" 2361 Series Resilient Wedge Gate Valve Features

In addition to all the features of the smaller 2360 series valves, large size Mueller 2361 series RW valves offer these features:

- ❑ STEM – Manganese bronze casting with integral thrust collar.
- ❑ WEDGE – Ductile iron, fully encapsulated in molded rubber.
- ❑ BODY AND BONNET – Ductile iron.



- ❑ LISTINGS AND WORKING PRESSURE – All valves are certified to ANSI/NSF 61 and shell tested to 500 psi.

SIZE	AWWA C515 WORKING PRESSURE	UL WORKING PRESSURE	FM WORKING PRESSURE
14"-16"	250	250	250
18"-24"	250	175	†††
30"-48"	250	††	†††
54"	250†	††	†††

† AWWA C515 does not recognise valves larger than 48"

†† UL does not list valves with gearing (gearing required on valves 30" and larger)

††† FM does not approve valves larger than 16"

*Nominal

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

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

‡Dirt seal on 4"-12" valves.

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

Rev. 9-09 Shaded area indicates change.

- ☐ Catalog number—
A-2360-20 Mechanical joint ends (with accessories unassembled)
A-2360-23 Mechanical joint ends (less accessories)
A-2360-25 Mechanical joint ends (with transition gaskets accessories unassembled)
- ☐ Sizes – 2", 3", 4", 6", 8", 10", 12"
- ☐ Meets or exceeds all applicable requirements of ANSI/AWWA C509 Standard, UL Listed, FM Approved, and certified to ANSI/NSF 61.
- ☐ Standard mechanical joint ends comply with ANSI/AWWA C111
- ☐ 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-rings), with fourth O-ring serving as dirt seal††
- ☐ 2" square wrench nut (optional handwheel available)—open left or open right
- ☐ 250 psig (1723 kPa) maximum working pressure, 500 psig (3447 kPa) static test pressure
- ☐ 3"-12" sizes – UL Listed, FM Approved: 200 psig (1379 kPa)

††Dirt seal on 4"-12" valves



A-2360-20

Options

See page 10.40 for more information on Resilient Wedge Gate Valve options

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

Resilient wedge gate valve parts

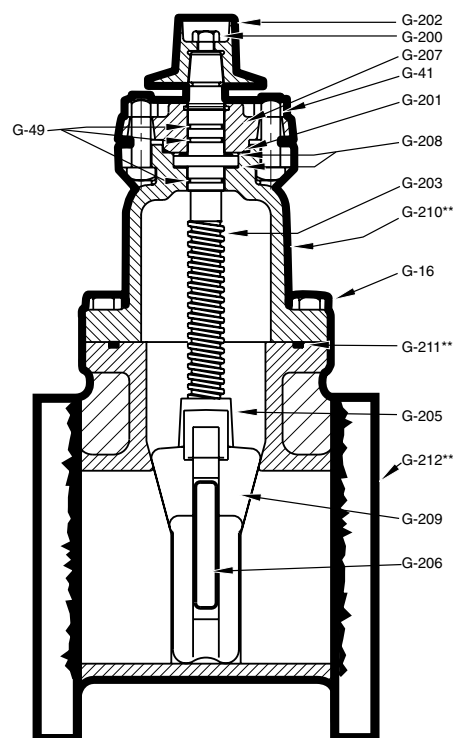
Catalog Part No.	Description	Material	Material Standard
G-16	Bonnet Bolts & Nuts	Stainless Steel	Type 304
G-41	Stuffing Box Bolts & Nuts	Stainless Steel	Type 304
G-49	Stem O-rings (3)	Rubber	
G-200	Wrench Nut Cap Screw	Stainless Steel	Type 304
G-201	Stuffing Box Seal	Rubber	
G-202	Wrench Nut	Cast Iron	ASTM A126 CL.B
G-203	Stem	Bronze	ASTM B138
G-204	Hand Wheel	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-fiction Washer (2)	Celcon	
G-209	Wedge, Rubber Encapsulation	Cast Iron* Rubber	ASTM A126 CL.B
G-210**	Bonnet	Cast Iron♦	ASTM A126 CL.B
G-211**	Bonnet O-ring	Nitrite	
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 (2"-3" sizes retain neoprene gasket design affecting these parts). Confirm the type of seal when ordering a replacement gasket or O-ring.

††Dirt seal on 4"-12" valves

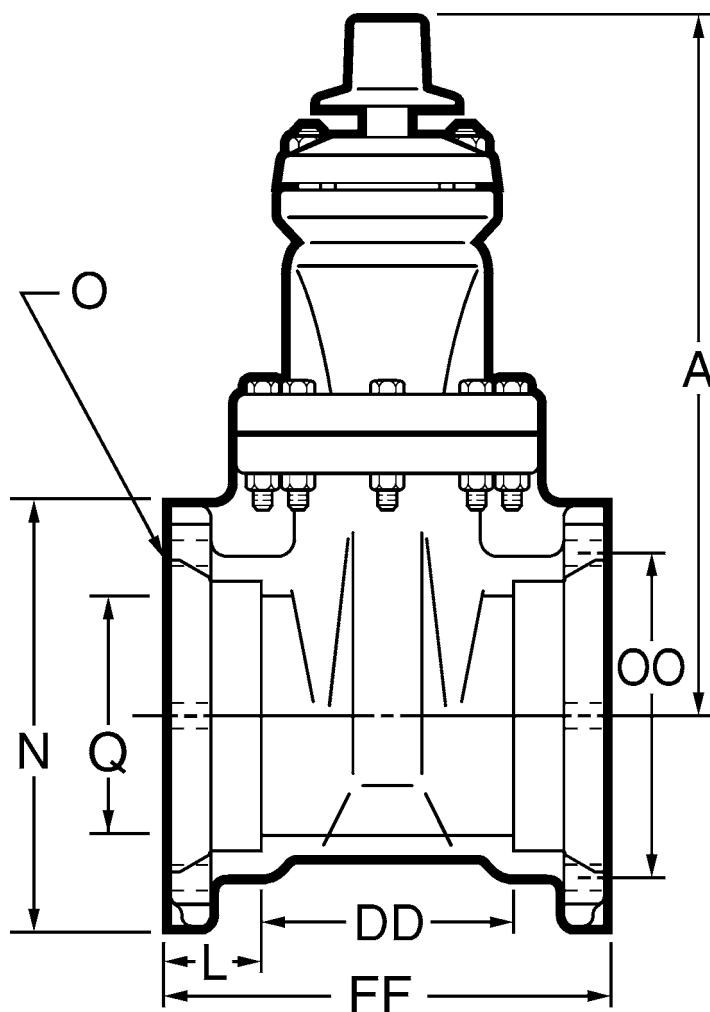
♦Body and bonnet of 12" valves are ductile iron standard wall thickness in compliance with C509.



2"-12" A-2360 RESILIENT WEDGE GATE VALVE - M.J. x M.J.

Mueller Co. **10.15**

Rev. 2-06



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
FF	8.50	9.00	10.00	11.50	12.50	14.75	14.88
L	2.50	2.50	2.50	2.50	2.50	2.50	2.50
N	4.62	7.50	9.12	11.12	13.37	15.62	17.88
O (number and size of holes)	4--.88	4--.88	4--.88	6--.88	6--.88	8--.88	8--.88
DD	3.50	4.00	5.00	6.50	7.50	9.75	9.88
Q (bore)	2.30	3.30	4.30	6.30	8.30	10.30	12.30
OO (bolt circle diameter)	5.00	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*	40	83	120	186	280	405	540

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