

# MUELLER

## R-2361 RESILIENT WEDGE GATE VALVE

### Class 250/300 OS&Y: 3"/DN80 – 12"/DN300

Image shown with 3" – 6"/DN80 – DN150 bonnet/yoke combo. 8" – 12"/DN200 – DN300 bonnet and yoke are two pieces. Contact Mueller Co. for option details.



### PRODUCT FEATURES

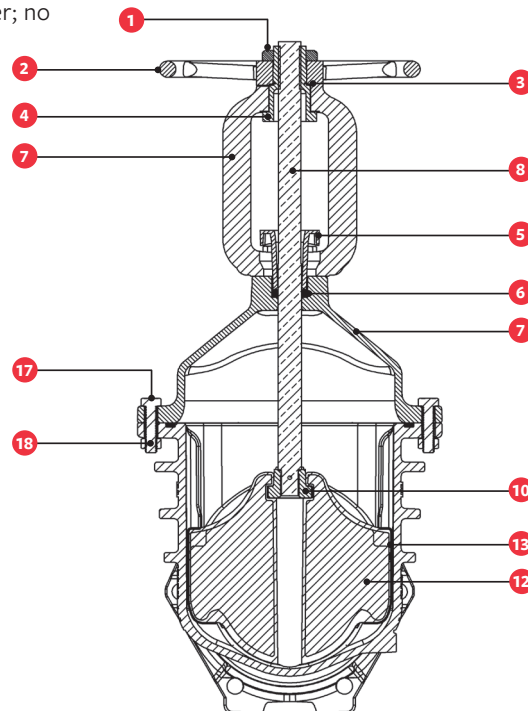
- Outside Screw & Yoke (OS&Y).
- Iron Body, Bonnet, and Yoke.
- Mueller Pro-Gard® Fusion Bonded Epoxy Coating covers all cast surfaces inside and out – 10 mils (250μ) nominal. Meets requirements of AWWA/ANSI C550.
- Meets requirements of AWWA/ANSI C515 and is certified to ANSI/NSF 61 & 372.
- Iron wedge, symmetrical and fully encapsulated with molded rubber; no exposed iron.
- Polymer cap bearings on wedge guides resist wear and provide easy operation.
- Bi-directional flow.
- 10-year limited warranty.
- Working Pressure: 350psig/24barg; Test Pressure: 700psig/48barg.
- UL 262 listed, FM 1120/1130 approved.
- Flange End drilling meets ANSI B16.1, Class 250. Optional PN25 drilling.

### PARTS LIST

ID	PART NAME	MATERIAL
1	Cap Nut	Bronze ASTM B6/B584
2	Handwheel	Ductile Iron ASTM A536
3	Thrust Washer	Brass
4	Bush Nut	Bronze ASTM B62
5	Gland Flange	Ductile Iron ASTM A536
6	Stem Packing*	Lube Flax
7	Bonnet/Yoke	Ductile Iron ASTM A536 (See Note 1)
8	Stem (See Note 2)	Manganese Bronze ASTM B138 (C67600)
9	O-Ring	Nitrile ASTM D2000
10	Wedge Nut	Bronze ASTM B58
11	Pin, Type E	304 Stainless Steel
12	Wedge	(See Note 3)
13	Guide Cap	Acetal
14	Bonnet O-Ring	Nitrile ASTM D2000
15**	Body	Ductile Iron ASTM A536
16**	Gland Bolt	316 Stainless Steel ASTM F593
17	Bonnet Bolt	316 Stainless Steel ASTM F593
18	Bonnet Nut	316 Stainless Steel ASTM F594
19	Gland Nut	Silicon Bronze ASTM B98

### \*STEM PACKING INFORMATION

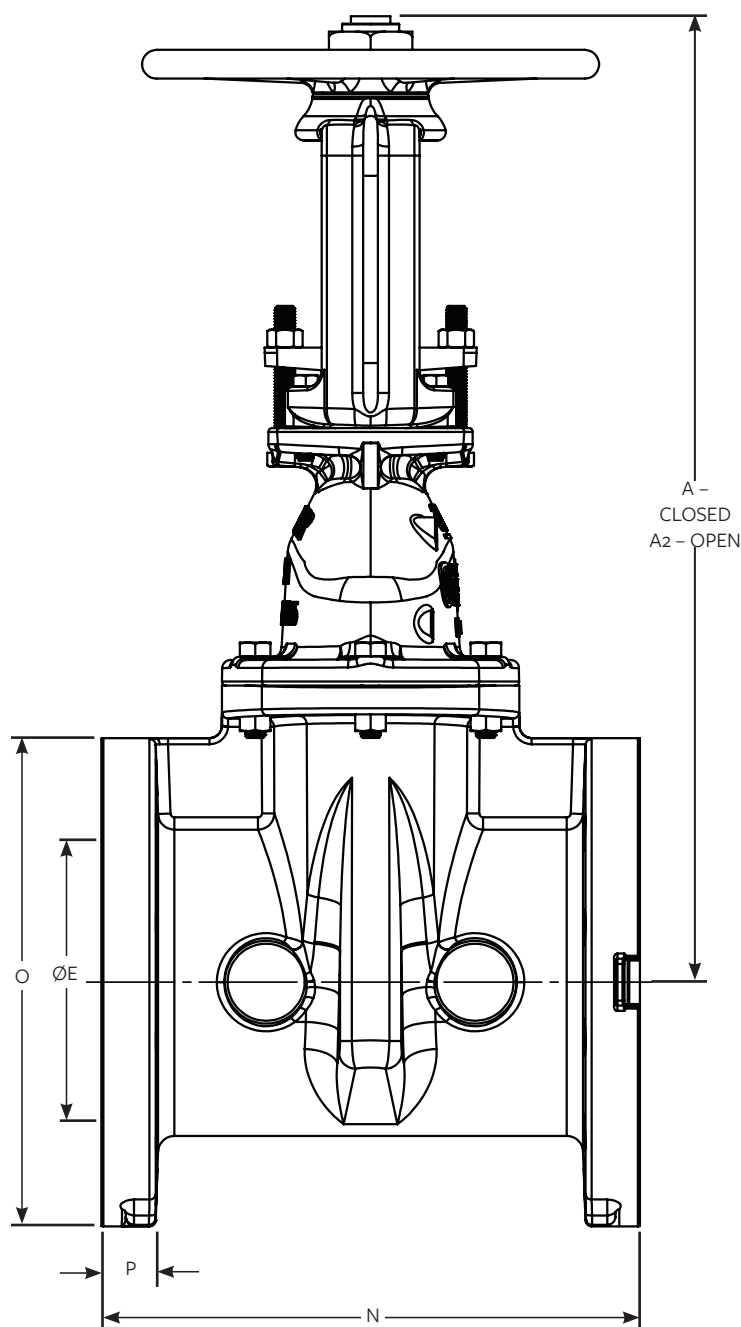
Valve Size	3"/DN80	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Part No./Quantity	175972/4	176477/4	170712/4	175937/4	175975/4	170749/3
Size - inches (mm)	¼ (6) x 3⅝	¼ (6) x 4¼ (108)	⅝ (8) x 4¾ (121)	⅝ (8) x 5⅞ (130)	⅝ (8) x 5½ (133)	⅝ (10) x 6⅝ (161)



#### Notes:

1. 3" – 6"/DN80 – DN150 Bonnet and Yoke are one piece.
2. Standard Stem is Manganese Bronze ASTM B138 (C67600). The R2361 is available as a PLUS version, with upgraded stem material etc. Please see PLUS version Datasheet
3. Rubber Encapsulated Ductile Iron Wedge Rubber – SBR ASTM D2000.

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## DIMENSIONS - INCHES (MM)

VALVE SIZE	A-CLOSED	A2-OPEN	N
3"/DN80	15.66 (398)	19.31 (490)	8.00 (203)
4"/DN100	19.00 (483)	23.68 (601)	12.00 (305)
6"/DN150	24.50 (622)	31.38 (797)	15.86 (403)
8"/DN200	29.50 (749)	38.50 (978)	16.50 (419)
10"/DN250	35.75 (908)	47.00 (1194)	18.00 (457)
12"/DN300	40.50 (1028)	53.50 (1359)	19.75 (502)

VALVE SIZE	Ø E THRU Ø	O	P
3"/DN80	3.30 (84)	9.00 (229)	1.13 (29)
4"/DN100	4.31 (109)	10.00 (254)	1.25 (32)
6"/DN150	6.30 (160)	12.50 (318)	1.44 (37)
8"/DN200	8.30 (211)	15.00 (381)	1.63 (41)
10"/DN250	10.30 (262)	17.50 (445)	1.87 (47)
12"/DN300	12.30 (312)	20.50 (521)	2.00 (51)

## OPTIONAL PLUGS

VALVE SIZE	R2361 MAX. TAP SIZE	OPTION NO.	TAP SIZE
3"/DN80	1/2" (13)	0008	1/2" (13)
4"/DN100	3/4" (19)	0054	3/4" (19)
6"/DN150	1" (25)	0062	1" (25)
8"/DN200	1 1/4" (32)	0355	1 1/4" (32)
10"/DN250	1 1/4" (32)	0070	1 1/4" (32)
12"/DN300	2" (50)	0366	2" (50)

## WEIGHT - LB. (KG)

VALVE SIZE	WEIGHT
3"/DN80	75 (34)
4"/DN100	121 (55)
6"/DN150	198 (90)
8"/DN200	308 (140)
10"/DN250	475 (215)
12"/DN300	629 (285)

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