



J & S Valve[®] and Manufacturing Sizes: 2" THRU 72"

**RESILIENT & METAL SEATED
GATE VALVES**

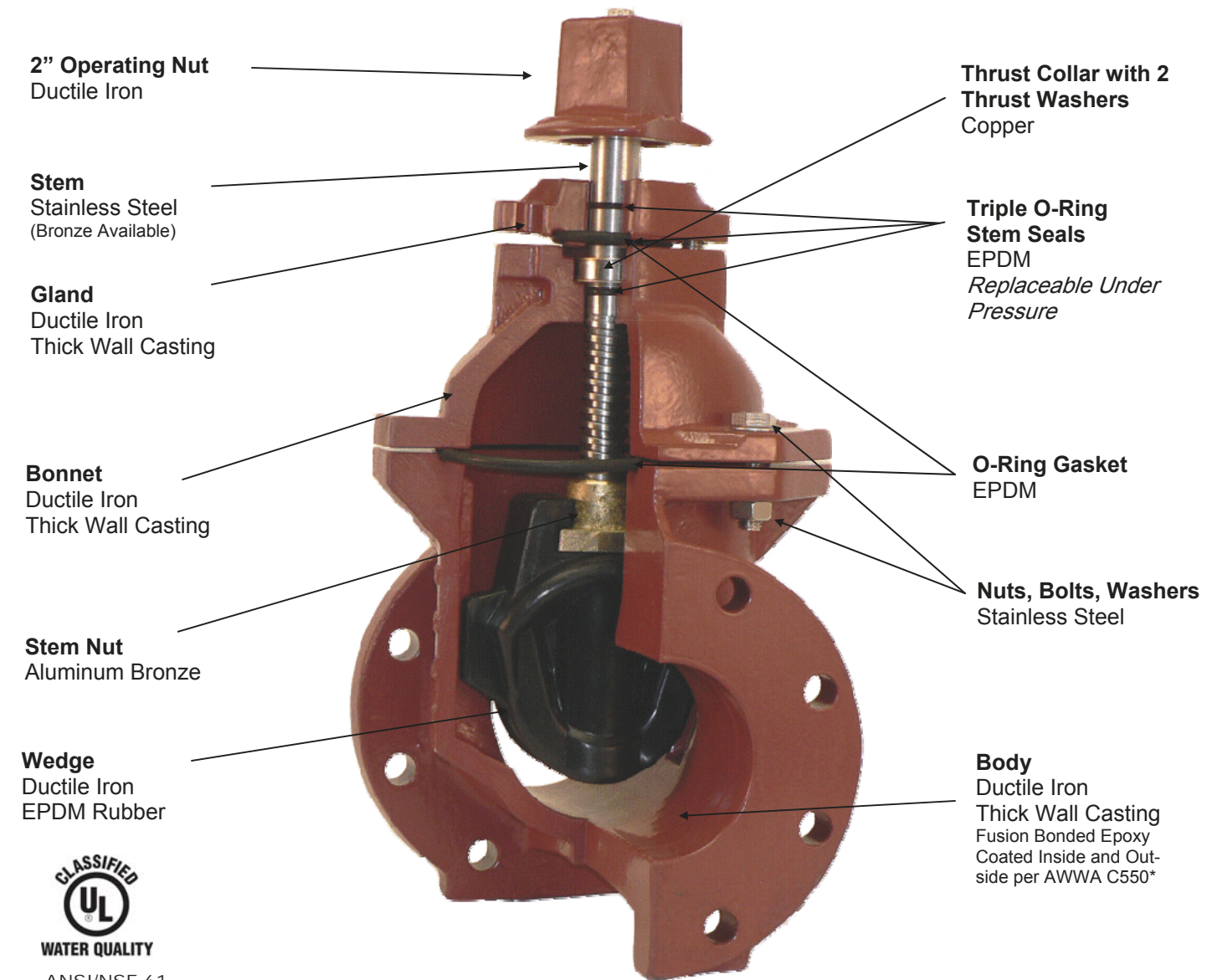
AWWA

C509, C515, C500

J & S Valve[®] and Manufacturing

AWWA C509 & C515

Resilient Seated Solid Wedge Gate Valve Materials of Construction



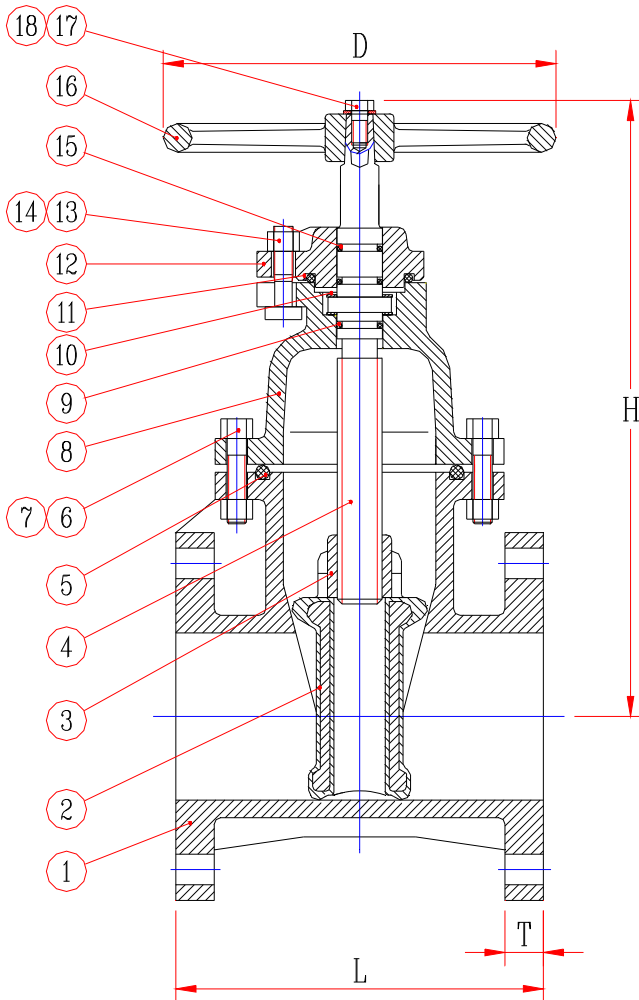
WATER QUALITY

ANSI/NSF 61
Drinking Water
System Components
MH46079

ANSI/NSF 61 - Certified by U/L

Resilient Seated Solid Wedge Gate Valve - Series 6800

AWWA C509 & C515 ▪ NRS Type ▪ FL x FL ▪ Sizes 2" - 16"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Nuts	Stainless Steel AISI 304
8	Bonnet	Ductile Iron ASTM A536 65-45-12
9	O-Ring	EPDM
10	Washer	Copper ASTM B16
11	O-Ring	EPDM
12	Gland	Ductile Iron ASTM A536 65-45-12
13	Bolts	Stainless Steel AISI 304
14	Nuts	Stainless Steel AISI 304
15	O-Ring	EPDM
16	Handwheel	Ductile Iron ASTM A536 65-45-12
17	Bolts	Stainless Steel AISI 304
18	Washers	Stainless Steel AISI 304

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Standard Features:

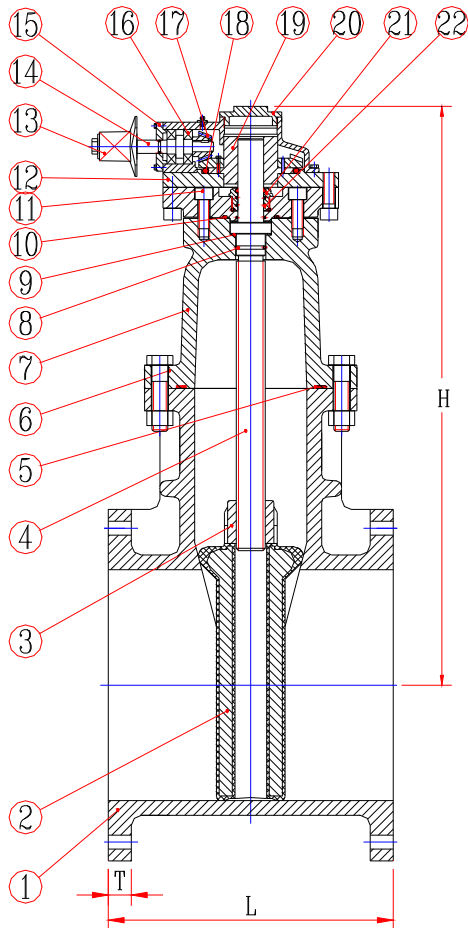
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- 4"-12", Available, with ANSI B16.2, Class 250, Flanges.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" Ductile Iron AWWA Nut, Ductile Iron Handwheel or Automatic Actuators Available.

Dimensions:

Size	Model	L	H	D	T	Approx. Weight
2"	6802	7"	9 ⁷ / ₈ "	7 ¹ / ₄ "	5 ⁸ / ₁₆ "	49#
2 ¹ / ₂ "	6825	7 ¹ / ₂ "	11"	7 ¹ / ₄ "	3 ⁴ / ₁₆ "	51#
3"	6803	8"	13 ¹ / ₂ "	10"	3 ⁴ / ₁₆ "	65#
4"	6804	9"	15 ¹ / ₂ "	10"	1"	99#
5"	6805	10"	16 ¹ / ₂ "	12"	1"	143#
6"	6806	10 ¹ / ₂ "	18 ¹ / ₄ "	12"	1"	154#
8"	6808	11 ¹ / ₂ "	22 ¹ / ₂ "	14"	1 ¹ / ₈ "	229#
10"	6810	13"	25 ¹ / ₂ "	17 ¹ / ₂ "	1 ¹ / ₄ "	372#
12"	6812	14"	30 ¹ / ₂ "	17 ¹ / ₂ "	1 ¹ / ₄ "	588#
14"	6814	15"	34"	21"	1 ³ / ₈ "	756#
16"	6816	16"	40 ⁷ / ₈ "	21"	1 ¹ / ₂ "	1,212#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6800

AWWA C509 & C515 ▪ NRS Type ▪ FL x FL ▪ Sizes 18"- 24"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

ANSI/NSF 61 - Certified by U/L

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Bonnet	Ductile Iron ASTM A536 65-45-12
8	O-Ring	EPDM
9	Washer	Copper ASTM B16
10	O-Ring	EPDM
11	Bolts	Stainless Steel AISI 304
12	Bottom Cap	Cast Iron ASTM A126 Class B
13	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
14	Shaft	Carbon Steel AISI 1045
15	Press Cover	Cast Iron ASTM A126 Class B
16	Housing	Cast Iron ASTM A126 Class B
17	Bevel Gear	Carbon Steel AISI 1045
18	Ball	Carbon Steel AISI 1045
19	Driving Sleeve	Ductile Iron ASTM A536 65-45-12
20	Top Cover	Cast Iron ASTM A126 Class B
21	Sealing Sleeve	Brass ASTM B16
22	O-Ring	EPDM

Dimensions:

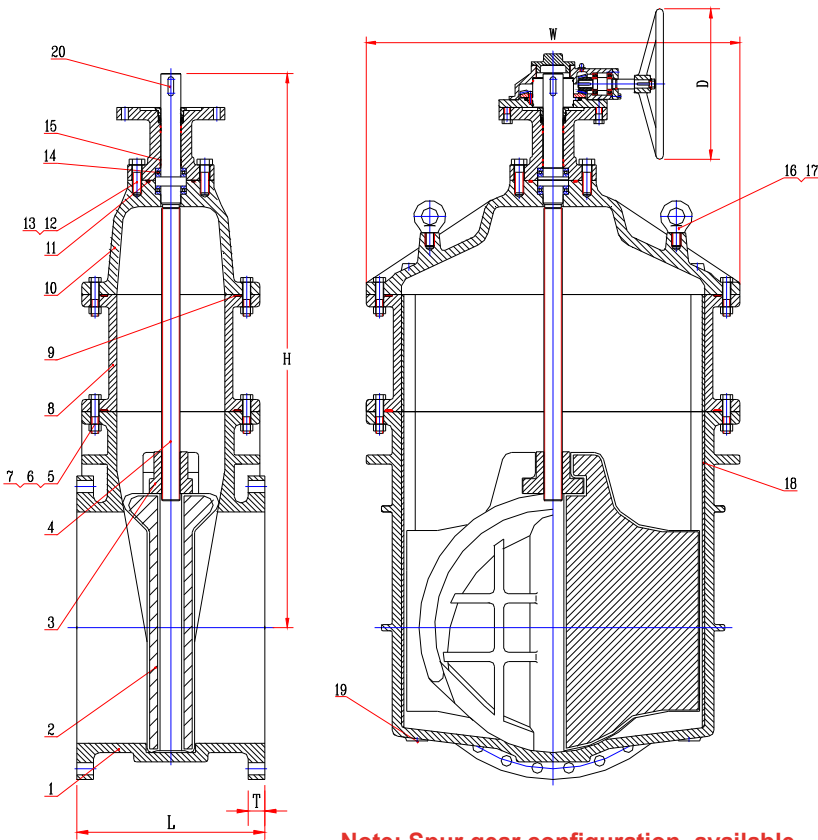
Size	Model	L	H	OD	T	Approx. Weight
18"	6818	17"	44"	25"	1½"	1,320#
20"	6820	18"	52"	27½"	1¾"	1,920#
24"	6824	20"	58"	32"	1⅞"	2,790#

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut, Ductile Iron Handwheel or Automatic Actuators Available.

Resilient Seated Solid Wedge Gate Valve with Bevel Gear Operator - Series 6800

AWWA C509 & C515 ▪ NRS Type ▪ FL x FL ▪ Sizes 30"- 48"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	Bolts	Stainless Steel AISI 304
6	Nuts	Stainless Steel AISI 304
7	Washers	Stainless Steel AISI 304
8	Bonnet Adapter	Ductile Iron ASTM A536 65-45-12
9	O-Ring Gas- ket	EPDM
10	Bonnet	Ductile Iron ASTM A536 65-45-12
11	O-Ring	EPDM
12	Bolts	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Bearing	Copper ASTM B16
15	O-Ring	EPDM
16	Eye Bolts	Carbon Steel, Zinc Plated
17	Washer	Stainless Steel ANSI 316
18	Track	Stainless Steel ANSI 316
19	Plug	Brass ASTM B16
20	Key	Carbon Steel AISI 1045

Standard Features:

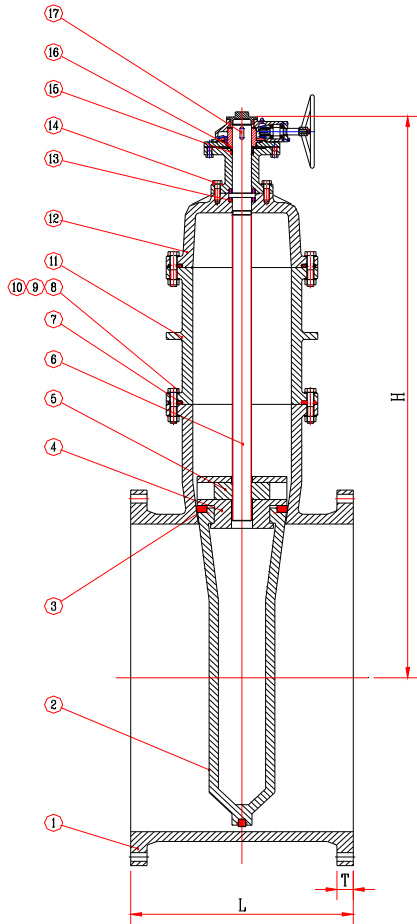
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut, Ductile Iron Handwheel or Automatic Actuators Available.

Dimensions:

Size	Model	L	H	W	M	T	D	Approx. Weight
30"	6830	24"	70"	47 ³ / ₄ "	12"	2 ¹ / ₈ "	23 ⁵ / ₈ "	5,444#
36"	6836	28"	81"	54 ¹ / ₄ "	14"	2 ³ / ₈ "	23 ⁵ / ₈ "	8,694#
42"	6842	36"	86 ¹ / ₂ "	66 ³ / ₄ "	18"	2 ⁵ / ₈ "	23 ⁵ / ₈ "	15,358#
48"	6848	43"	96"	75 ¹ / ₂ "	21 ¹ / ₂ "	2 ³ / ₄ "	23 ⁵ / ₈ "	21,567#

Resilient Seated Solid Wedge Gate Valve with Bevel Gear Operator - Series 6800

AWWA C509 & C515 ▪ NRS Type ▪ FL x FL ▪ Sizes 54"- 72"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron ASTM A536 65-45-12
3	Rubber Seal	EPDM
4	Pressure Piece	Ductile Iron ASTM A536 65-45-12
5	Stem Nut	Aluminum Bronze
6	Stem	Bronze or Stainless Steel
7	Gasket	EPDM
8	Bolts	Carbon Steel with Zinc Gr. 8.8
9	Nuts	Carbon Steel with Zinc Gr. 8.8
10	Washer	Carbon Steel with Zinc Gr. 8.8
11	Bonnet Adapter	Ductile Iron ASTM A536 65-45-12
12	Bonnet	Ductile Iron ASTM A536 65-45-12
13	Bearing	Standard
14	Bolts	Carbon Steel with Zinc Gr. 8.8
15	V-Packing	EPDM
16	Packing Gland	Bronze ASTM B62 (85-5-5-5)
17	Key	Steel

Standard Features:

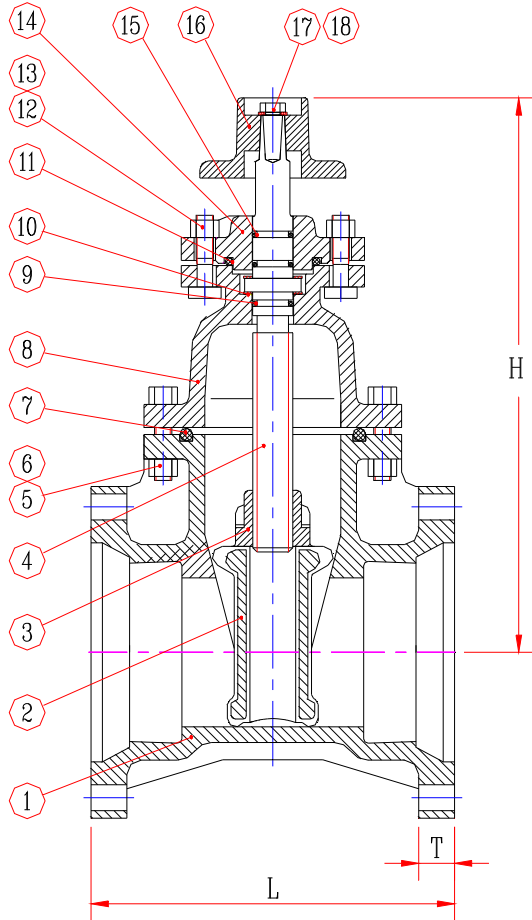
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Bronze or Stainless Steel Stem.
- Ductile Iron Mechanically Retained EPDM Wedge.
- EPDM Gaskets and O-Rings.
- 250PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut, Ductile Iron Handwheel or Automatic Actuators Available.

Dimensions:

Size	Model	L	H	T	Approx. Weight
54"	6854	40"	113"	3"	24,300#
60"	6860	44"	122"	3 ¹ / ₈ "	30,900#
72"	6872	48"	138"	3 ¹ / ₂ "	59,500#

Resilient Seated Solid Wedge Gate Valve - Series 6900

AWWA C509 & C515 ▪ NRS Type ▪ MJ x MJ ▪ Sizes 2" - 16"



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Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- MJ Ends Conform to ANSI/AWWA.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge .
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

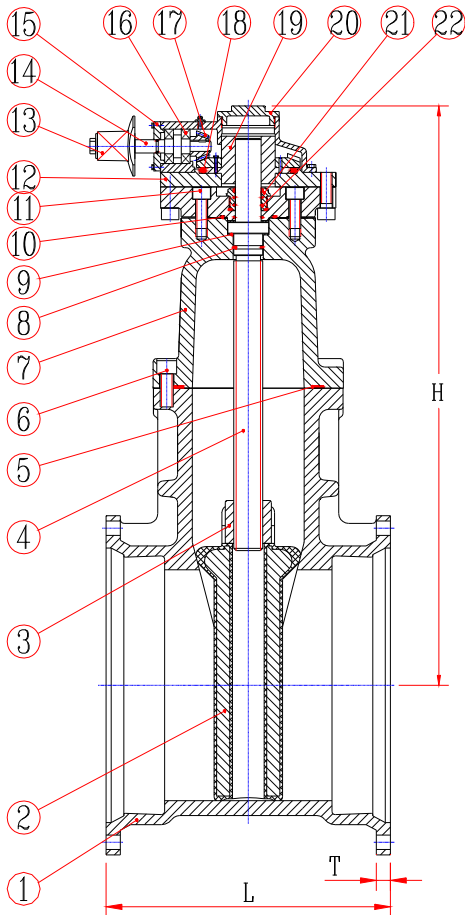
No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	Nuts	Stainless Steel AISI 304
6	Bolts	Stainless Steel AISI 304
7	O-Ring Gasket	EPDM
8	Bonnet	Ductile Iron ASTM A536 65-45-12
9	O-Ring	EPDM
10	Washer	Copper ASTM B16
11	O-Ring	EPDM
12	Bolts	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Gland	Ductile Iron ASTM A536 65-45-12
15	O-Ring	EPDM
16	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
17	Bolt	Stainless Steel AISI 304
18	Washer	Stainless Steel AISI 304

Dimensions:

Size	Model	L	H	T	Approx. Weight
2"	6902	8"	9 ⁷ / ₈ "	1"	45#
2½"	6925	8½"	11"	1"	52#
3"	6903	9"	13½"	1"	67#
4"	6904	10"	15½"	1"	94#
5"	6905	11"	16½"	1"	131#
6"	6906	11½"	18¼"	1"	140#
8"	6908	12½"	22½"	1"	210#
10"	6910	14¾"	25½"	1"	356#
12"	6912	14 ³ / ₈ "	30½"	1¼"	540#
14"	6914	17"	34½"	1¼"	716#
16"	6916	17"	40¼"	1¼"	1,168#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6900

AWWA C509 & C515 ▪ NRS Type ▪ MJ x MJ ▪ Sizes 18" - 24"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

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Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- MJ Ends Conform to ANSI/AWWA.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

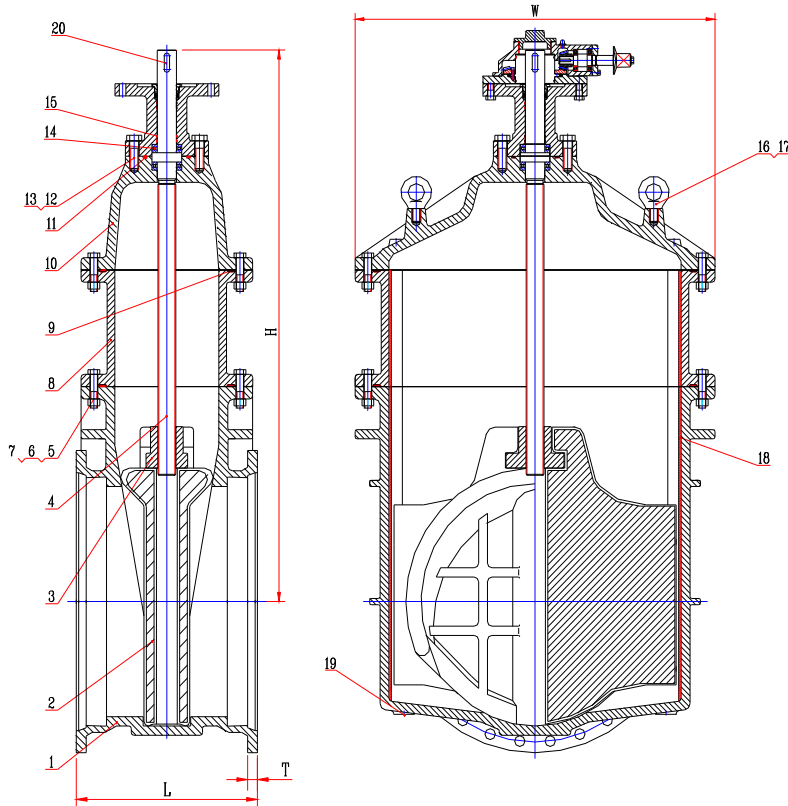
No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Bonnet	Ductile Iron ASTM A536 65-45-12
8	O-Ring	EPDM
9	Washer	Copper ASTM B16
10	O-Ring	EPDM
11	Bolts	Stainless Steel AISI 304
12	Bottom Cap	Cast Iron ASTM A126 Class B
13	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
14	Shaft	Carbon Steel AISI 1045
15	Press Cover	Cast Iron ASTM A126 Class B
16	Housing	Cast Iron ASTM A126 Class B
17	Bevel Gear	Carbon Steel AISI 1045
18	Ball	Carbon Steel AISI 1045
19	Driving Sleeve	Ductile Iron ASTM A536 65-45-12
20	Top Cover	Cast Iron ASTM A126 Class B
21	Sealing Sleeve	Brass ASTM B16
22	O-Ring	EPDM

Dimensions:

Size	Model	L	H	T	T1	Approx. Weight
18"	6918	18"	44"	1½"	1"	1,290#
20"	6920	18"	52"	1⅝"	1"	1,860#
24"	6924	20½"	58"	1⅞"	1"	2,724#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6900

AWWA C509 & C515 ▪ NRS Type ▪ MJ x MJ ▪ Sizes 30" - 48"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- MJ Ends Conform to ANSI/AWWA.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

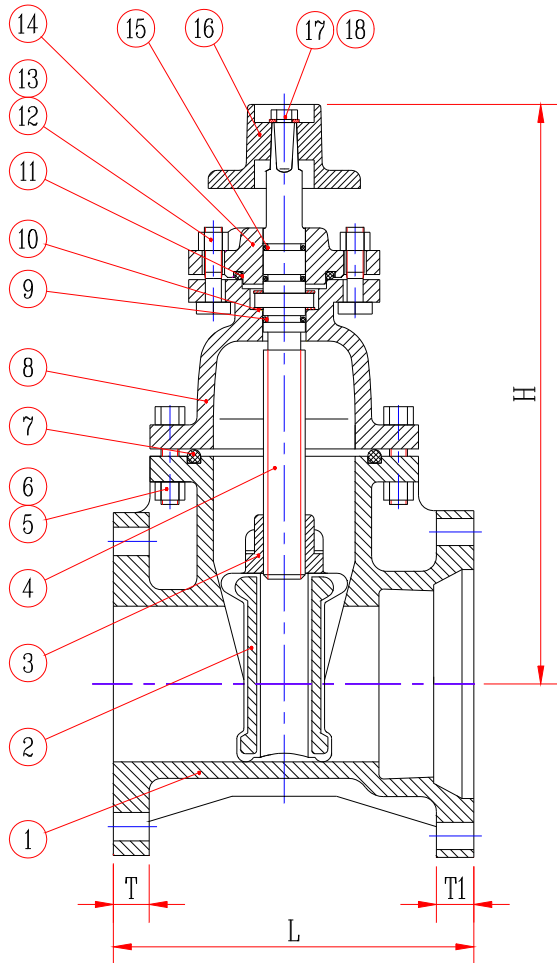
No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	Bolts	Stainless Steel AISI 304
6	Nuts	Stainless Steel AISI 304
7	Washer	Stainless Steel AISI 304
8	Bonnet Adapter	Ductile Iron ASTM A536 65-45-12
9	O-Ring Gas-ket	EPDM
10	Bonnet	Ductile Iron ASTM A536 65-45-12
11	O-Ring	EPDM
12	Bolts	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Bearing	Stainless Steel AISI 304
15	O-Ring	EPDM
16	Eye Bolts	Carbon Steel. Zinc Plated
17	Washer	Stainless Steel ANSI 316
18	Track	Stainless AISI 316
19	Plug	Brass ASTM B16
20	Key	Carbon Steel AISI 1045

Dimensions:

Size	Model	L	H	W	T	Approx. Weight
30"	6930	24"	70"	47¾"	2½"	5,294#
36"	6936	28"	81"	54¼"	2¾"	8,494#
42"	6642	36"	86½"	66¾"	2¾"	13,127#
48"	6948	43"	96"	75½"	2¾"	18,434#

Resilient Seated Solid Wedge Gate Valve - Series 6600

AWWA C509 & C515 ▪ NRS Type ▪ FL x MJ ▪ Sizes 2" - 16"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	Nuts	Stainless Steel AISI 304
6	Bolts	Stainless Steel AISI 304
7	O-Ring Gasket	EPDM
8	Bonnet	Ductile Iron ASTM A536 65-45-12
9	O-Ring	EPDM
10	Washer	Copper ASTM B16
11	O-Ring	EPDM
12	Bolts	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Gland	Ductile Iron ASTM A536 65-45-12
15	O-Ring	EPDM
16	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
17	Bolts	Stainless Steel AISI 304
18	Washer	Stainless Steel AISI 304

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Standard Features:

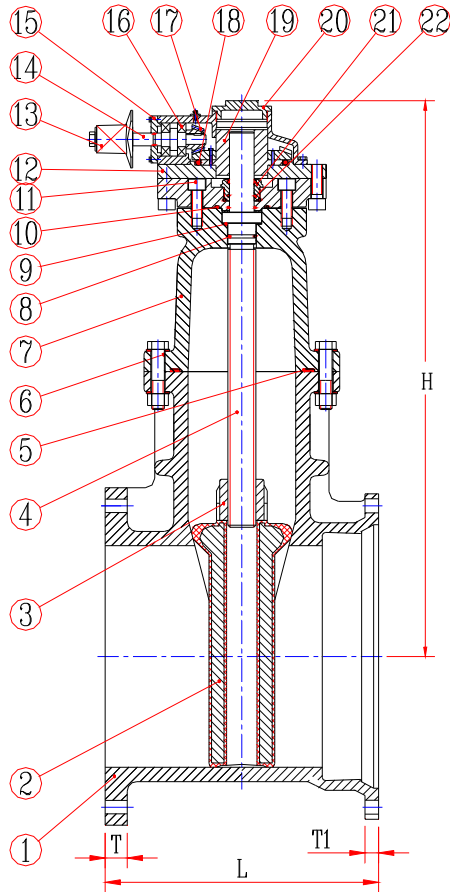
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150, MJ Conforms to ANSI/AWWA .
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

Dimensions:

Size	Model	L	H	T	T1	Approx. Weight
2"	6602	8½"	9⅝"	⅝"	1"	44#
2½"	6625	8"	11"	¾"	1"	46#
3"	6603	8¾"	13½"	¾"	1"	48#
4"	6604	9½"	15½"	1"	1"	60#
5"	6605	10½"	16½"	1"	1"	99#
6"	6606	11⅝"	18¼"	1"	1"	101#
8"	6608	12"	22½"	1⅝"	1"	160#
10"	6610	13⅞"	25½"	1¼"	1"	240#
12"	6612	14½"	30½"	1¼"	1¼"	370#
14"	6614	17½"	34"	1⅝"	1¼"	672#
16"	6616	18"	40¼"	1½"	1¼"	830#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6600

AWWA C509 & C515 ▪ NRS Type ▪ FL x MJ ▪ Sizes 18" - 24"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

ANSI/NSF 61 - Certified by U/L

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150, MJ
Conforms to ANSI/AWWA .
- Ductile Iron: Body, Bonnet, Wedge, Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out
per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Operating Nut.

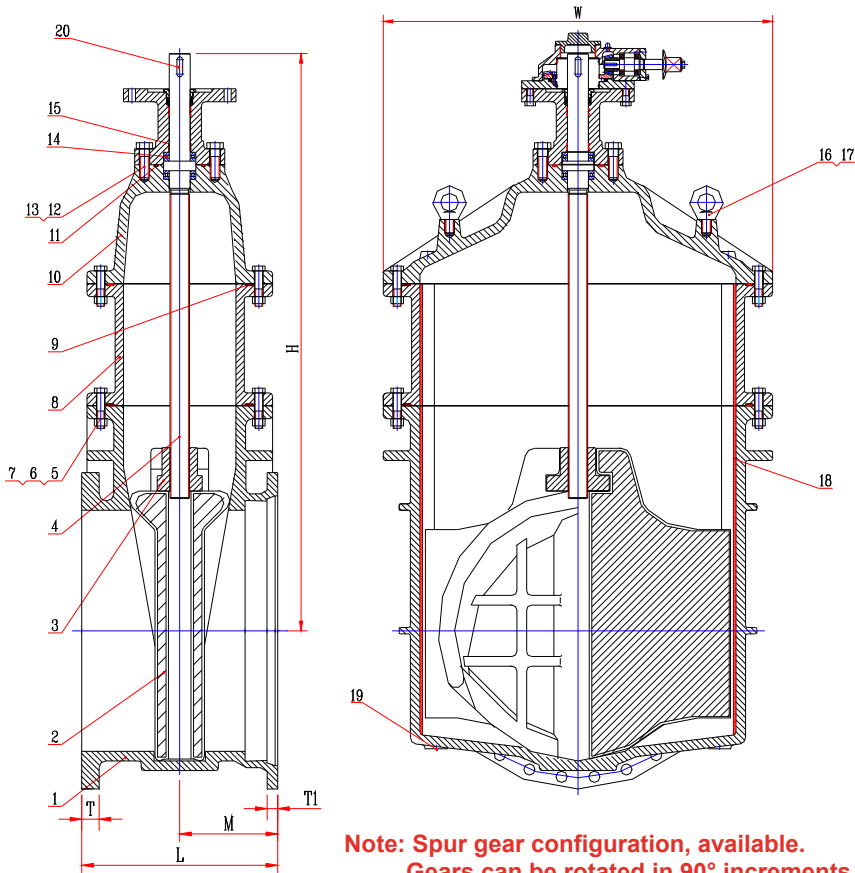
No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Bonnet	Ductile Iron ASTM A536 65-45-12
8	O-Ring	EPDM
9	Washer	Copper ASTM B16
10	O-Ring	EPDM
11	Bolts	Stainless Steel AISI 304
12	Bottom Cap	Cast Iron ASTM A126 Class B
13	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
14	Shaft	Carbon Steel AISI 1045
15	Pressure Cover	Cast Iron ASTM A126 Class B
16	Housing	Cast Iron ASTM A126 Class B
17	Bevel Gear	Carbon Steel AISI 1045
18	Ball	Carbon Steel AISI 1045
19	Driving Sleeve	Ductile Iron ASTM A536 65-45-12
20	Top Cover	Cast Iron ASTM A126 Class B
21	Sealing Sleeve	Brass ASTM B15 C083600
22	O-Ring	EPDM

Dimensions:

Size	Model	L	H	T	T1	Approx. Weight
18"	6618	19"	44"	1½"	1"	1,210#
20"	6620	19⅝"	52"	1¾"	1"	1,670#
24"	6624	21⅝"	58"	1⅞"	1"	2,530#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6600

AWWA C509 & C515 ▪ NRS Type ▪ FL x MJ ▪ Sizes 30" - 48"



Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron, EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	Bolts	Stainless Steel AISI 304
6	Nuts	Stainless Steel AISI 304
7	Washer	Stainless Steel AISI 304
8	Bonnet Adapter	Ductile Iron ASTM A536 65-45-12
9	O-Ring Gasket	EPDM
10	Bonnet	Ductile Iron ASTM A536 65-45-12
11	O-Ring	EPDM
12	Bolts	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Bearing	Stainless Steel AISI 304
15	O-Ring	EPDM
16	Eye Bolts	Carbon Steel Zinc Plated
17	Washer	Stainless Steel ANSI 316
18	Track	Stainless Steel ANSI 316
19	Plug	Brass ASTM B16
20	Key	Carbon Steel AISI 1045

Standard Features:

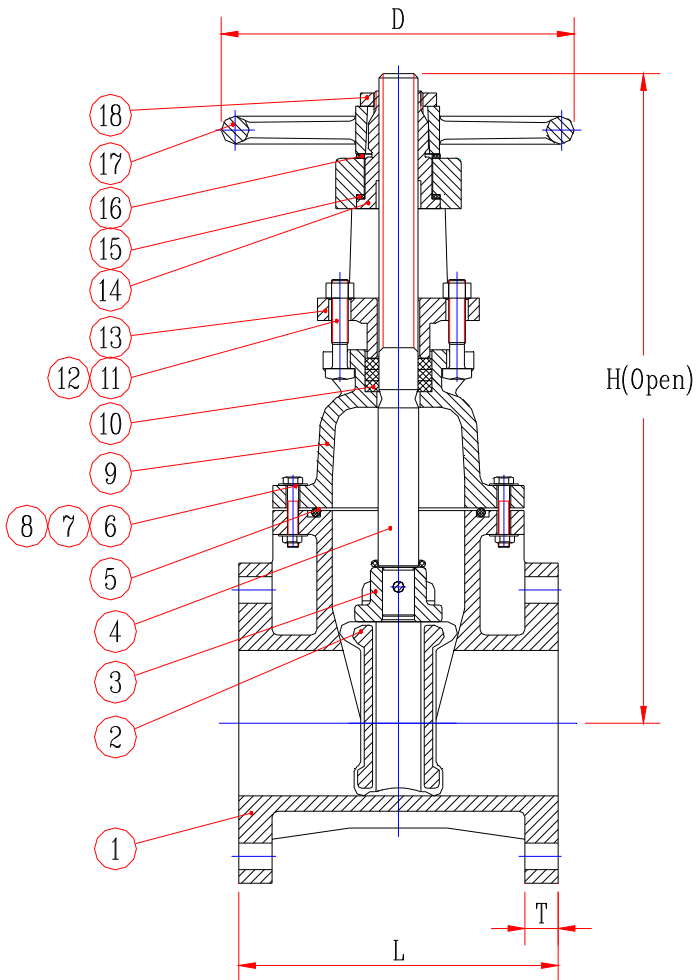
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150,
MJ Conforms to ANSI/AWWA.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out
per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

Dimensions:

Size	Model	L	M	H	W	T	T1	Approx. Weight
30"	6630	24"	12"	70"	47 ³ / ₄ "	2 ¹ / ₈ "	1 ¹ / ₄ "	5,444#
36"	6636	28"	14"	81"	54 ¹ / ₄ "	2 ³ / ₈ "	1 ¹ / ₂ "	8,664#
42"	6642	36"	18"	86 ¹ / ₂ "	66 ³ / ₄ "	2 ⁵ / ₈ "	1 ¹ / ₂ "	14,242#
48"	6648	43"	21 ¹ / ₂ "	96"	75 ¹ / ₂ "	2 ³ / ₄ "	1 ¹ / ₂ "	20,005#

Resilient Seated Solid Wedge Gate Valve - Series 6700

AWWA C509 & C515 ▪ OS&Y Type ▪ FL x FL ▪ Sizes 2" - 16"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM 536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Stainless Steel
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Nuts	Stainless Steel AISI 304
7	Bolts	Stainless Steel AISI 304
8	Washer	Stainless Steel AISI 304
9	Bonnet	Ductile Iron ASTM 536 65-45-12
10	Packing	Graphite Non Asbestos
11	Nuts	Stainless Steel AISI 304
12	Bolts	Stainless Steel AISI 304
13	Gland	Ductile Iron ASTM 536 65-45-12
14	Stem Nut	Bronze ASTM B62 (85-5-5-5)
15	Washer	PTFE Teflon
16	Washer	PTFE Teflon
17	Handwheel	Ductile Iron ASTM 536 65-45-12
18	Handwheel Nut	Stainless Steel AISI 304

Standard Features:

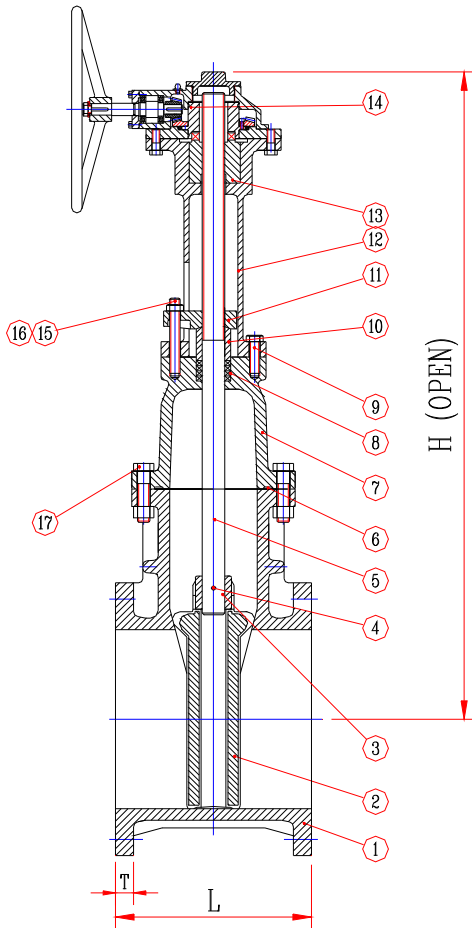
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- Ductile Iron Handwheel or Automatic Actuator Available.

Dimensions:

Size	Model	L	H (Open)	D	T	Approx. Weight
2"	6702	7"	15¾"	7"	⅝"	51#
2½"	6725	7½"	16"	7"	¾"	59#
3"	6703	8"	19⅛"	7½"	¾"	68#
4"	6704	9"	24"	10"	1"	105#
5"	6705	10"	27½"	12"	1"	145#
6"	6706	10½"	31⅛"	12"	1"	172#
8"	6708	11½"	39½"	14"	1⅛"	243#
10"	6710	13"	46¾"	16"	1¼"	430#
12"	6712	14"	56"	18"	1¼"	685#
14"	6714	15"	64"	20"	1⅜"	1,058#
16"	6716	16"	75"	22"	1½"	1,720#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6700

AWWA C509 & C515 ▪ OS&Y Type ▪ FL x FL ▪ Sizes 18" - 24"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Stainless Steel
4	Stem Pin	Stainless Steel AISI 304
5	Stem	Bronze or Stainless Steel
6	O-Ring Gasket	EPDM
7	Bonnet	Ductile Iron ASTM A536 65-45-12
8	Packing	Graphite Non Asbestos
9	Bolts	Stainless Steel AISI 304
10	Gland	Brass ASTM B16
11	Gland Follower	Ductile Iron ASTM A536 65-45-12
12	Yoke	Ductile Iron ASTM A536 65-45-12
13	Stem Nut	Bronze ASTM B62 (85-5-5-5)
14	Bevel Gear	Carbon Steel AISI 1045
15	Bolts	Stainless Steel AISI 304
16	Nuts	Stainless Steel AISI 304
17	Screw	Stainless Steel AISI 304

Standard Features:

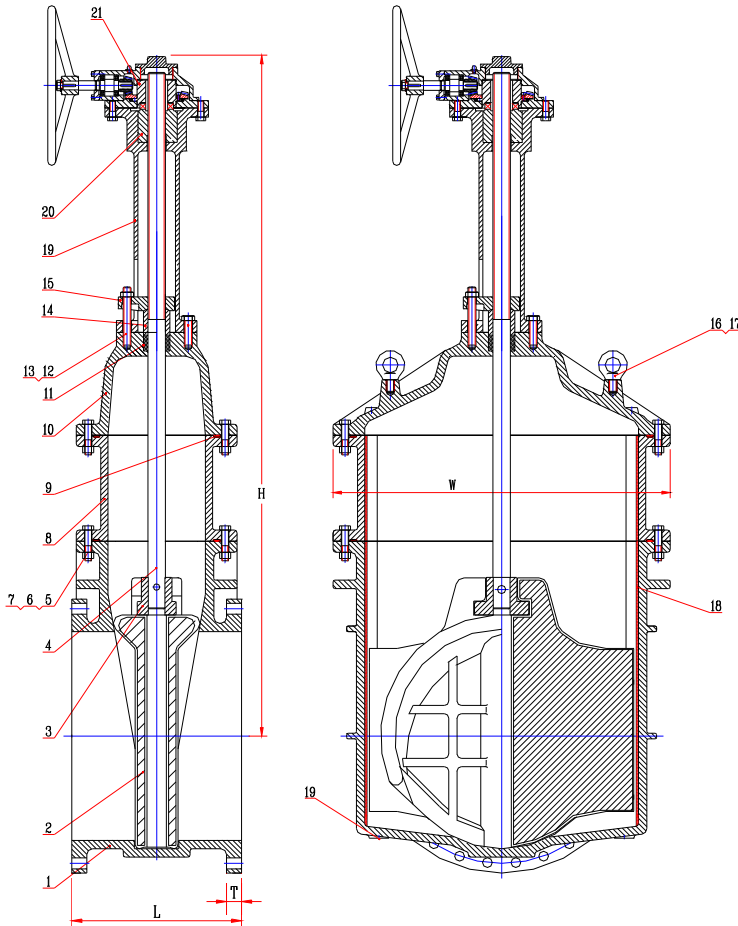
- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- Ductile Iron Handwheel or Automatic Actuator Available.

Dimensions:

Size	Model	L	H	T	Approx. Weight
18"	6718	17"	66"	1 ⁵ / ₈ "	1,430#
20"	6720	18"	76 ¹ / ₂ "	1 ³ / ₄ "	1,970#
24"	6724	20"	86 ¹ / ₂ "	1 ⁷ / ₈ "	2,990#

Resilient Seated Solid Wedge Gate Valve With Bevel Gear Operator - Series 6700

AWWA C509 & C515 ▪ OS&Y Type ▪ FL x FL ▪ Sizes 30" - 48"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- Ductile Iron Handwheel or Automatic Actuator Available.

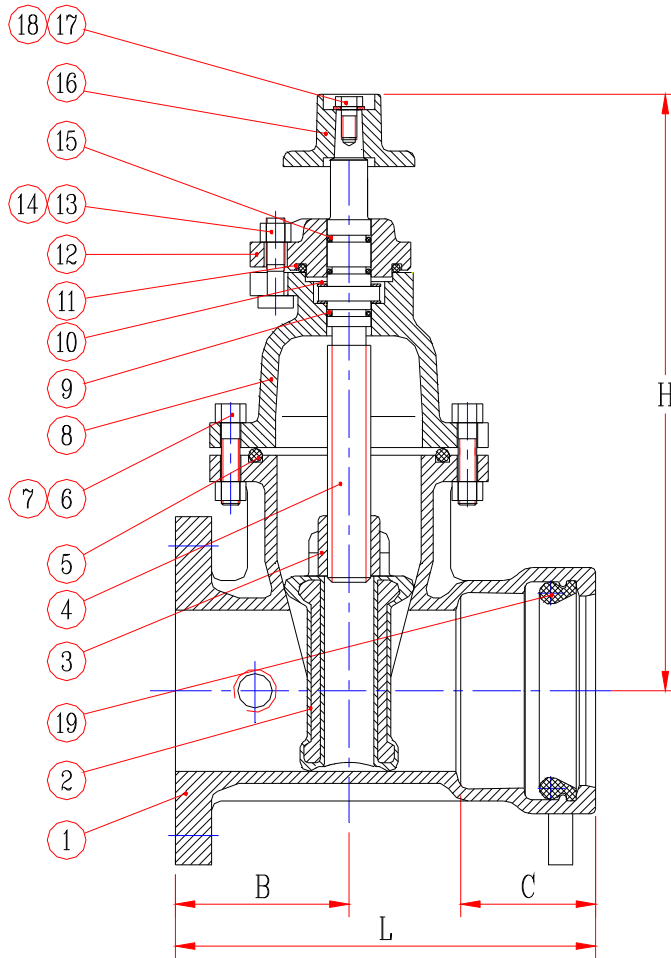
No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Stainless Steel
4	Stem	Bronze or Stainless Steel
5	Bolts	Stainless Steel AISI 304
6	Nuts	Stainless Steel AISI 304
7	Washers	Stainless Steel AISI 304
8	Bonnet Adapter	Ductile Iron ASTM A536 65-45-12
9	Gasket	EPDM
10	Bonnet	Ductile Iron ASTM A536 65-45-12
11	Packing	Graphite Non Asbestos
12	Stud	Stainless Steel AISI 304
13	Nuts	Stainless Steel AISI 304
14	Packing Gland	Bronze ASTM B62 (85-5-5-5)
15	Gland Follower	Ductile Iron ASTM A536 65-45-12
16	Eye Bolt	Carbon Steel, Zinc Plated
17	Washer	Stainless Steel AISI 304
18	Track	Stainless Steel AISI 304
19	Yoke	Ductile Iron ASTM A536 65-45-12
20	Yoke Nut	Bronze ASTM B62 (85-5-5-5)
21	Bevel Gear	

Dimensions:

Size	Model	L	H	M	W	T	Approx. Weight
30"	6730	24"	110"	12"	47¾"	2⅛"	6,400#
36"	6736	28"	130"	14"	54½"	2⅜"	9,800#
42"	6742	36"	142"	18"	66¾"	2⅝"	16,700#
48"	6748	44"	160"	21½"	75½"	2¾"	23,100#

Resilient Seated Solid Wedge Gate Valve - Series 6400

AWWA C509 & C515 ▪ NRS Type ▪ FL x PO ▪ Sizes 4" - 12"



ANSI/NSF 61 - Certified by U/L

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Nuts	Stainless Steel AISI 304
8	Bonnet	Ductile Iron ASTM A536 65-45-12
9	O-Ring	EPDM
10	Washer	Stainless Steel AISI 304
11	O-Ring	EPDM
12	Gland	Ductile Iron ASTM A536 65-45-12
13	Bolts	Stainless Steel AISI 304
14	Nuts	Stainless Steel AISI 304
15	O-Ring	EPDM
16	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
17	Bolts	Stainless Steel AISI 304
18	Washer	Stainless Steel AISI 304
19	Push-On Gasket	EPDM

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- Flanges Conform to ANSI B16.1, Class 150, Push-On End Connections for Use with Ductile Iron Pipe and C900 PVC Pipe.
- Ductile Iron: Body, Bonnet, Wedge, Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Operating Nut.

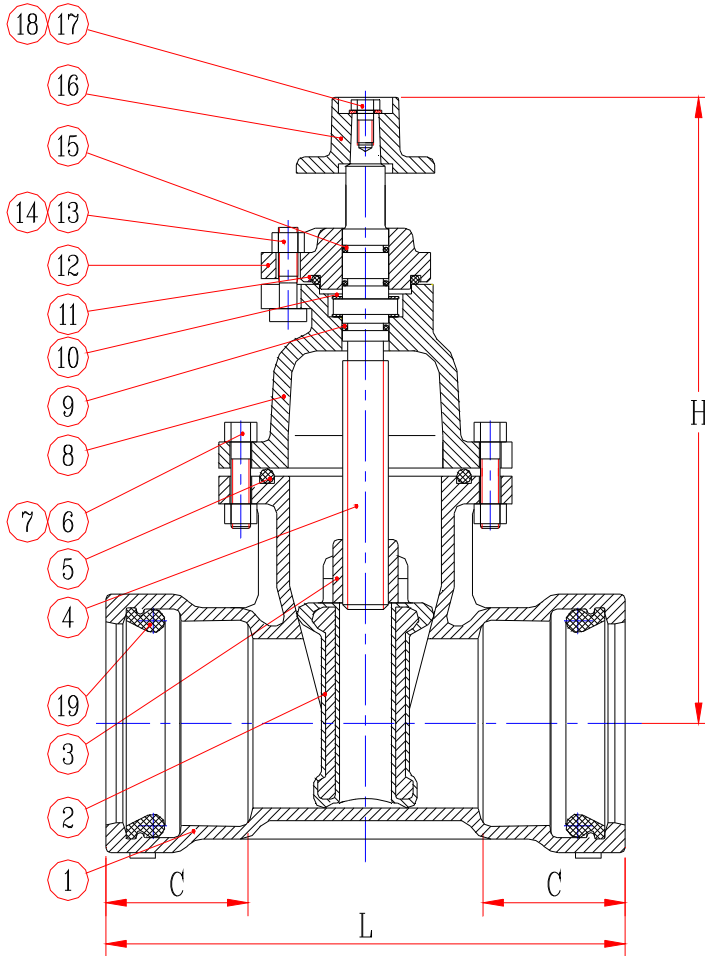
Dimensions:

Size	Model	B	C	D	L	H	T	Approx. Weight
4"	6404	4½"	3½"	10"	11"	15½"	1"	74#
6"	6406	5¼"	4"	12"	12¾"	18¼"	1"	118#
8"	6408	5¾"	4½"	14"	14¾"	22½"	1"	199#
10"	6410	6½"	4½"	17½"	15¾"	25½"	1"	296#
12"	6412	7"	5"	17½"	16-1/3"	30½"	1¼"	432#

Larger Sizes Available Upon Request

Resilient Seated Solid Wedge Gate Valve - Series 6500

AWWA C509 & C515 ▪ NRS Type ▪ PO x PO ▪ Sizes 4" - 12"



ANSI/NSF 61 - Certified by U/L

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron EPDM Encapsulated
3	Stem Nut	Aluminum Bronze
4	Stem	Bronze or Stainless Steel
5	O-Ring Gasket	EPDM
6	Bolts	Stainless Steel AISI 304
7	Nuts	Stainless Steel AISI 304
8	Bonnet	Ductile Iron ASTM A536 65-45-12
9	O-Ring	EPDM
10	Washer	Stainless Steel AISI 304
11	O-Ring	EPDM
12	Gland	Ductile Iron ASTM A536 65-45-12
13	Bolts	Stainless Steel AISI 304
14	Nuts	Stainless Steel AISI 304
15	O-Ring	EPDM
16	2" Operating Nut	Ductile Iron ASTM A536 65-45-12
17	Bolts	Stainless Steel AISI 304
18	Washer	Stainless Steel AISI 304
19	Push-On Gasket	EPDM

Standard Features:

- Design and Materials Exceed AWWA C509, C515 & C550.
- Push-On End Connections for Use with Ductile iron Pipe and C900 PVC Pipe.
- Ductile Iron: Body, Bonnet, Wedge, and Gland.
- Fusion Bonded Epoxy Coatings 12 Mils In and Out per AWWA C550.*
- Stainless Steel Nuts, Bolts, and Washers.
- Bronze or Stainless Steel Stem.
- Ductile Iron, EPDM Encapsulated Wedge.
- EPDM Gaskets and O-Rings.
- 250 PSI Working Pressure.
- Working Temperature: EPDM 33°F to 248°F.
- 2" AWWA Ductile Iron Nut Operator.

Dimensions:

Size	Model	C	D	L	H	Approx. Weight
4"	6504	3½"	10"	12¾"	15½"	64#
6"	6506	4	12"	14¾"	18¼"	110#
8"	6508	4½"	14"	17¾"	22½"	190#
10"	6510	4½"	17½"	18½"	25½"	301#
12"	6512	5"	17½"	16¾"	30½"	447#

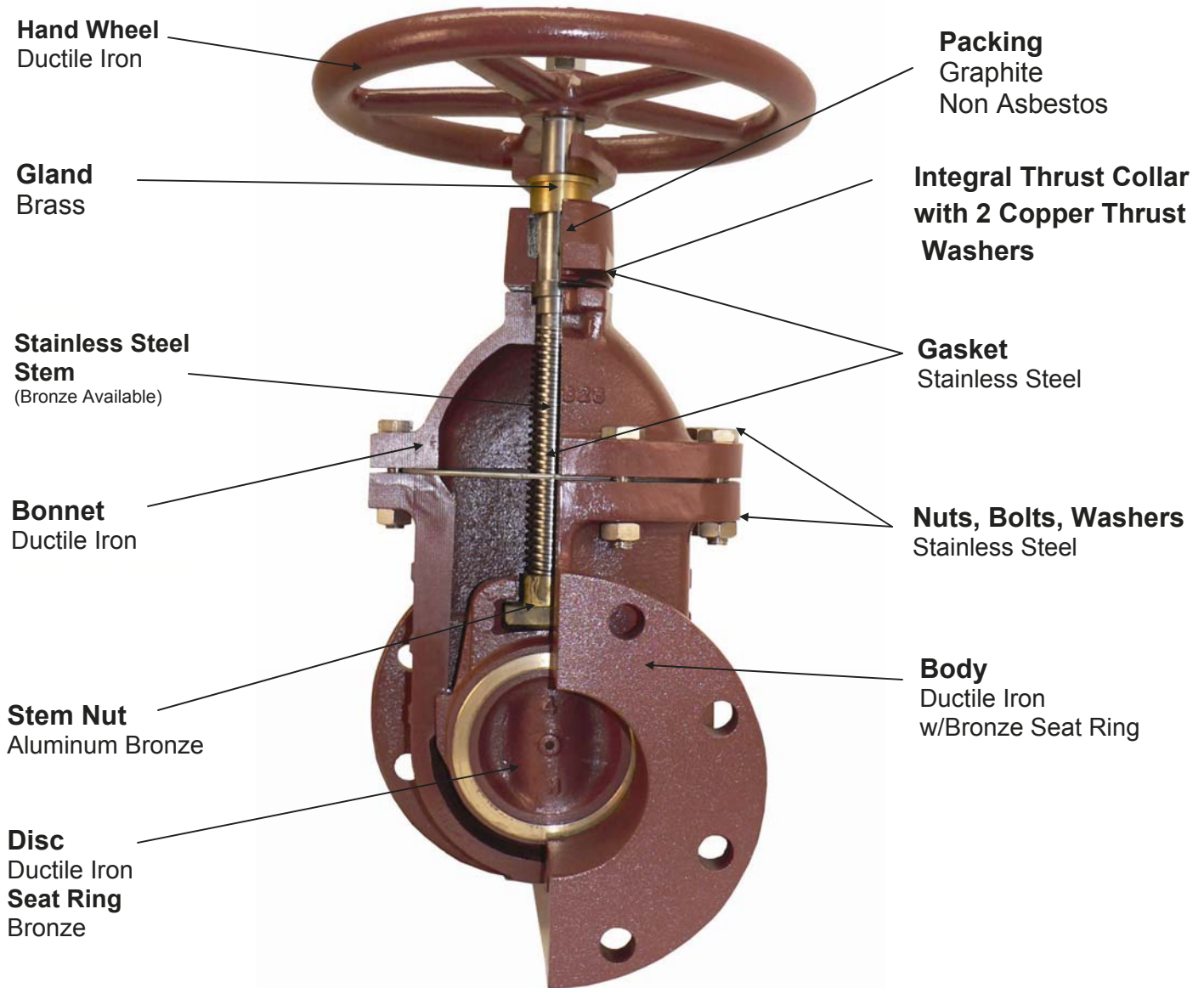
Larger Sizes Available Upon Request

AWWA C500

Metal Seated Solid Wedge Gate Valve

Sizes: 2" - 48"

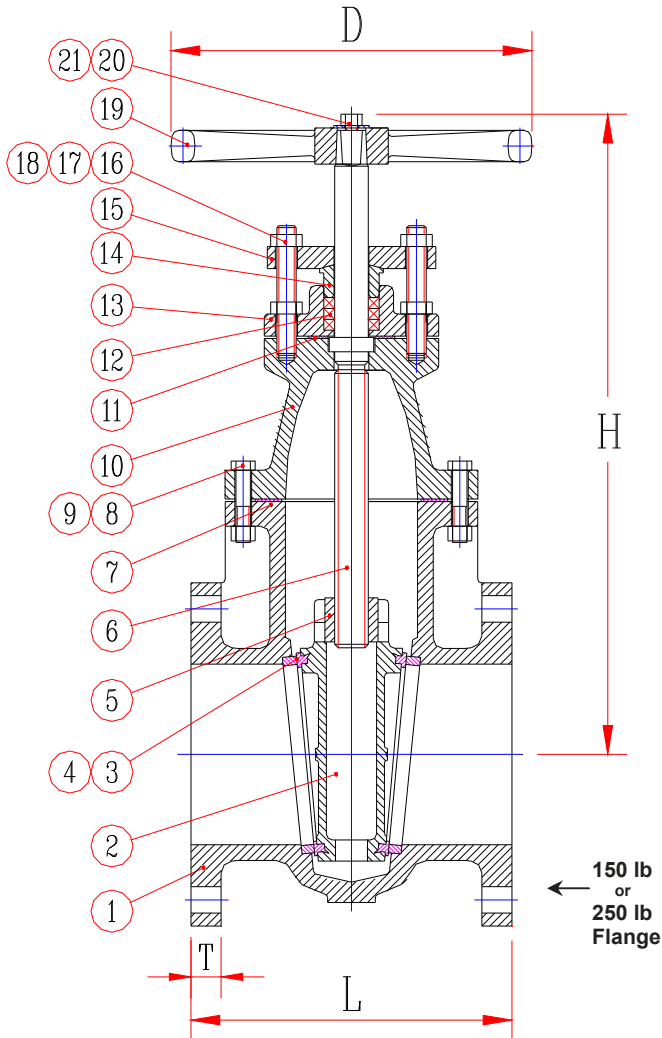
Materials of Construction



Iron Body, Bronze Mounted

Metal Seated Gate Valve - Series 3800

AWWA C500 ▪ NRS Type ▪ FL x FL ▪ Sizes 2" - 16"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron ASTM A536 65-45-12
3	Body Seat	Bronze ASTM B62 (85-5-5-5)
4	Seat	Bronze ASTM B62 (85-5-5-5)
5	Stem Nut	Aluminum Bronze
6	Stem	Bronze or Stainless Steel
7	Gasket	Stainless Steel AISI 304
8	Bolts	Stainless Steel AISI 304
9	Nuts	Stainless Steel AISI 304
10	Bonnet	Ductile Iron ASTM A536 65-45-12
11	Gasket	Graphite Non Asbestos
12	Packing	Graphite Non Asbestos
13	Packing Box	Ductile Iron ASTM A536 65-45-12
14	Gland	Brass ASTM B16
15	Gland Follower	Ductile Iron ASTM A536 65-45-12
16	Bolts	Stainless Steel AISI 304
17	Nuts	Stainless Steel AISI 304
18	Washers	Stainless Steel AISI 304
19	Handwheel	Ductile Iron ASTM A536 65-45-12
20	Bolts	Stainless Steel AISI 304
21	Washers	Stainless Steel AISI 304

Standard Features:

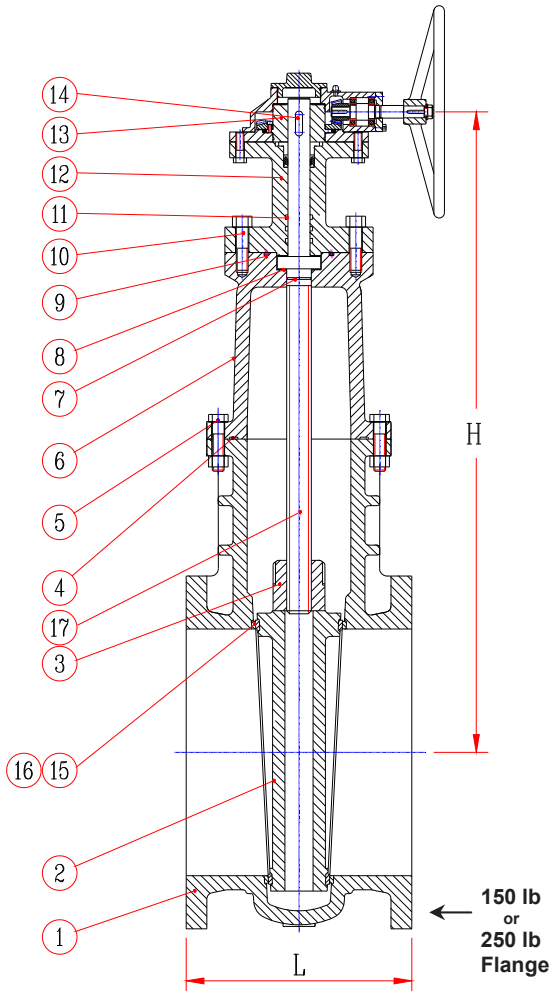
- Design and Materials Exceed AWWA C500.
- Flanges Conform to ANSI B16.1, Class 150, (ANSI B16.2, Class 250, Available).
- Bronze or Stainless Steel Stem.
- Working Pressure - ANSI Class 150 (ANSI Class 250, Available).
- Working Temperature: 14°F to 250°F.
- Nut, Handwheel or Automatic Actuators Available.

Dimensions:

Size	Model	L	H	D	T 150	T 250	Approx. Weight
2"	3802	7"	12½"	7"	⅝"	⅞"	47#
3"	3803	8"	13½"	7½"	¾"	1⅛"	60#
4"	3804	9"	16½"	10"	1"	1¼"	97#
6"	3806	10½"	21½"	12"	1"	1½"	158#
8"	3808	11½"	26½"	14"	1⅛"	1⅝"	229#
10"	3810	13"	30"	16"	1¼"	1⅞"	388#
12"	3812	14"	33"	18"	1¼"	2"	611#
14"	3814	15"	40"	20"	1⅝"	2⅛"	749#
16"	3816	16"	44"	22"	1½"	2¼"	1,148#

Metal Seated Gate Valve With Bevel Gear Operator - Series 3800

AWWA C500 ▪ NRS Type ▪ FL x FL ▪ Sizes 18" - 48"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron ASTM A536 65-45-12
3	Stem Nut	Aluminum Bronze
4	Gasket	Stainless Steel AISI 304
5	Bolts	Stainless Steel AISI 304
6	Bonnet	Ductile Iron ASTM A536 65-45-12
7	O-Ring	EPDM
8	Washer	PTFE Teflon
9	O-Ring	EPDM
10	Bolts	Stainless Steel AISI 304
11	O-Ring	EPDM
12	Gland Adapter	Ductile Iron ASTM A536 65-45-12
13	Bevel Gear	Carbon Steel AISI 1045
14	Key	Stainless Steel AISI 304
15	Body Seat	Bronze ASTM B62 (85-5-5-5)
16	Seat	Bronze ASTM B62 (85-5-5-5)
17	Stem	Bronze or Stainless Steel

**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

Standard Features:

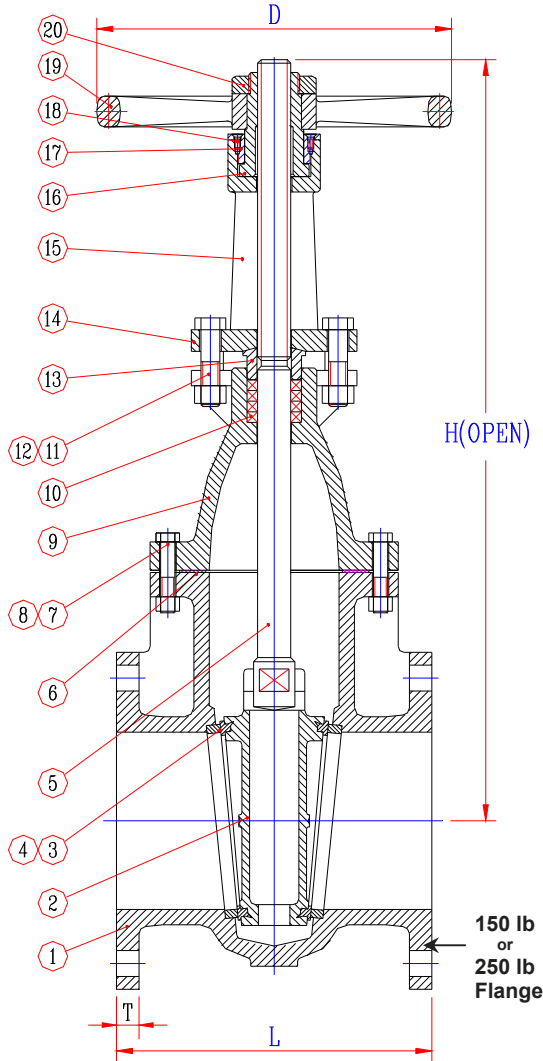
- Design and Materials Exceed AWWA C500.
- Flanges Conform to ANSI B16.1, Class 150, (ANSI B16.2, Class 250, Available).
- Bronze or Stainless Steel Stem.
- Working Pressure - ANSI Class 150 (ANSI Class 250, Available).
- Working Temperature: 14°F to 250°F.
- 2" AWWA Ductile Iron Nut, Handwheel or Automatic Actuators Available.

Dimensions

Size	Model	L	H	T 150	T 250	Approx. Weight
18"	3818	17"	50½"	1⅞"	2⅝"	1,556#
20"	3820	18"	55"	1¾"	2½"	1,939#
24"	3824	20"	60"	1⅞"	2¾"	2,766#
30"	3830	24"	92"	1⅞"	3"	5,920#
36"	3836	28"	100"	2⅞"	3⅝"	9,480#
42"	3842	32"	108"	2⅞"	3¾"	15,700#
48"	3848	36"	116"	2⅞"	4"	18,200#

Metal Seated Gate Valve - Series 3700

AWWA C500 ▪ OS&Y Type ▪ FL x FL ▪ Sizes 2" - 16"



No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron ASTM A536 65-45-12
3	Body Seat	Bronze ASTM B62 (85-5-5-5)
4	Seat	Bronze ASTM B62 (85-5-5-5)
5	Stem	Bronze or Stainless Steel
6	Gasket	Stainless Steel AISI 304
7	Bolts	Stainless Steel AISI 304
8	Nuts	Stainless Steel AISI 304
9	Bonnet	Ductile Iron ASTM A536 65-45-12
10	Packing	Graphite Non Asbestos
11	Bolts	Stainless Steel AISI 304
12	Nuts	Stainless Steel AISI 304
13	Gland	Brass ASTM B16
14	Gland Follower	Ductile Iron ASTM A536 65-45-12
15	Yoke	Ductile Iron ASTM A536 65-45-12
16	Stem Nuts	Aluminum Bronze
17	Yoke Bushing Nut	Brass ASTM B16
18	Screw	Stainless Steel AISI 304
19	Handwheel	Ductile Iron ASTM A536 65-45-12
20	Handwheel Nut	Stainless Steel

Standard Features:

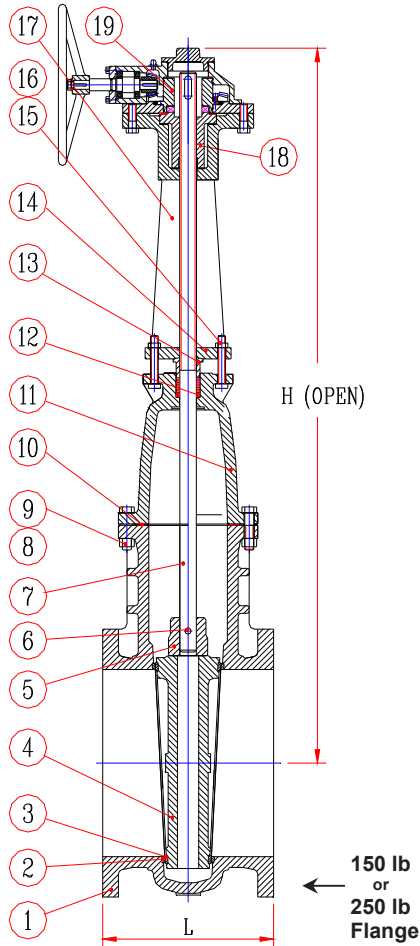
- Design and Materials Exceed AWWA C500.
- Flanges Conform to ANSI B16.1, Class 150, (ANSI B16.2, Class 250, Available).
- Bronze or Stainless Steel Stem.
- Working Pressure - ANSI Class 150 (ANSI Class 250, Available).
- Working Temperature: 14°F to 250°F.
- Handwheel or Automatic Actuators Available.

Dimensions:

Size	Model	L	H (Open)	D	T 150	T 250	Approx. Weight
2"	3702	7"	16"	7"	5/8"	7/8"	47#
3"	3703	8"	19"	7 1/2"	3/4"	1 1/8"	60#
4"	3704	9"	25"	10"	1"	1 1/4"	97#
6"	3706	10 1/2"	33"	12"	1"	1 1/2"	161#
8"	3708	11 1/2"	43 1/2"	14"	1 1/8"	1 5/8"	229#
10"	3710	13"	48"	16"	1 1/4"	1 7/8"	388#
12"	3712	14"	54"	18"	1 1/4"	2"	611#
14"	3714	15"	63"	20"	1 3/8"	2 1/8"	749#
16"	3716	16"	75"	22"	1 1/2"	2 1/4"	1,148#

Metal Seated Gate Valve With Bevel Gear Operator - Series 3700

AWWA C500 ▪ OS&Y Type ▪ FL x FL ▪ Sizes 18" - 48"



**Note: Spur gear configuration, available.
Gears can be rotated in 90° increments.**

No.	Part Name	Materials
1	Body	Ductile Iron ASTM A536 65-45-12
2	Body Seat	Bronze ASTM B62 (85-5-5-5)
3	Seat	Bronze ASTM B62 (85-5-5-5)
4	Wedge	Ductile Iron ASTM A536 65-45-12
5	Stem Nut	Aluminum Bronze
6	Stem Pin	Stainless Steel AISI 304
7	Stem	Bronze or Stainless Steel
8	Bolts	Stainless Steel AISI 304
9	Nuts	Stainless Steel AISI 304
10	Gasket	Stainless Steel AISI 304
11	Bonnet	Ductile Iron ASTM A536 65-45-12
12	Packing	Graphite Non Asbestos
13	Gland	Brass ASTM B16
14	Gland Follower	Ductile Iron ASTM A536 65-45-12
15	Bolts	Stainless Steel AISI 304
16	Nuts	Stainless Steel AISI 304
17	Yoke	Ductile Iron ASTM A536 65-45-12
18	Stem Nut	Bronze ASTM B62 (85-5-5-5)
19	Bevel Gear	Carbon Steel AISI 1045

Dimensions

Size	Model	L	H	T 150	T 250	Approx. Weight
18"	3718	17"	92"	1 ¹ / ₁₆ "	2 ³ / ₈ "	1,556#
20"	3720	18"	106"	1 ³ / ₄ "	2 ¹ / ₂ "	1,939#
24"	3724	20"	125"	1 ⁷ / ₈ "	2 ³ / ₄ "	2,766#
30"	3730	24"	110"	1 ⁷ / ₈ "	3"	6,380#
36"	3736	28"	118"	2 ¹ / ₈ "	3 ³ / ₈ "	10,150#
42"	3742	32"	126"	2 ³ / ₈ "	3 ³ / ₄ "	17,300#
48"	3748	36"	134"	2 ⁵ / ₈ "	4"	20,100#

Standard Features:

- Design and Materials Exceed AWWA C500.
- Flanges Conform to ANSI B16.1 Class 150, (ANSI B16.2 Class 250, Available).
- Bronze or Stainless Steel Stem.
- Working Pressure - ANSI Class 150 (ANSI Class 250, Available).
- Working Temperature: 14°F to 250°F.
- Handwheel or Automatic Actuators Available.



FL X FL, NRS
Resilient Seated
Sizes: 2" - 72"
Series 6800



MJ X MJ, NRS
Resilient Seated
Sizes: 2" - 48"
Series 6900



FL X MJ, NRS
Resilient Seated
Sizes: 2" - 48"
Series 6600



FL X FL, OS&Y
Resilient Seated
Sizes: 2" - 36"
Series 6700



PO X PO, NRS
Resilient Seated
Sizes: 4" - 12"
Series 6500



FL X PO, NRS
Resilient Seated
Sizes: 4" - 12"
Series 6400









FLXFL, NRS
Metal Seated
Sizes: 2" - 48"
Series 3800



FLXFL, OS&Y
Metal Seated
Sizes: 2" - 48"
Series 3800

Accessories

	<p>Chainwheels allow operation of overhead valves by means of a slight pull on the chain. Universal design allows chainwheel to be clamped to handwheel or pinned directly to valve stem.</p>		<p>Stem guides are designed as wall brackets for installation in treatment plants and pump stations to provide support for valve extension stems. Ductile iron construction with bronze bushing.</p>
	<p>Floor boxes are cast iron and designed for installation in concrete floors or slabs to provide support for extension stems. Overall length is 6 inches. Underside tapped to accept 2½ " NPT pipe nipples of any length for floors thicker than 6 inch.</p>		<p>Electric Motor Operators are used to convert manually operated valve to automatic valves. The electric operator can be equipped with a variety of control options to meet customer applications.</p>
	<p>Indicating floor stands are designed for installation in treatment plants and pump stations to allow operation of valves at lower elevation. Body of ductile iron. Position indicator is bronze.</p>		<p>Valve extension stems are used to raise the elevation of both buried and "in-plant" valves having a 2" square operating nut.</p>

J & S Valve[®] and Manufacturing

Improving the Industry Standards! Giving More to the End Users!

J & S VALVE began manufacturing Solid Wedge Resilient Seated Gate Valves with the design concept of Improving the Industry Standards (AWWA C509 & C515). J & S Valve combines the highest quality materials used by waterworks gate valve manufacturers. J&S manufacturers a thick wall valve poured completely of ductile iron, not gray cast iron.

The AWWA C509 standard allows the valve to be constructed of gray cast iron. The AWWA C515 standard requires the valve to be poured out of ductile iron, however, it allows the manufacturer to reduce the wall thickness by nearly 50% on some sizes.

To improve the industry standard, J&S Valve manufacturers a heavy thick wall valve poured entirely of ductile iron. Ductile Iron is stronger than gray cast iron. Ductile iron has a tensile strength of 65,000 psi and 12% elongation; gray cast iron has a tensile strength of 31,000 psi and less than 1% elongation. By using ductile iron and pouring a thick wall AWWA C509 valve J&S Valve has improved the industry standards significantly.

Other water works gate valve manufacturers who choose to manufacture a thin reduced wall ductile iron AWWA C515 valve are not providing the corrosion resistance and extra strength that J&S Valve brings to the end user. The reduced wall valve is certainly not equal to the strength and quality of the J&S Valve.

TEXAS FACTORIES

