

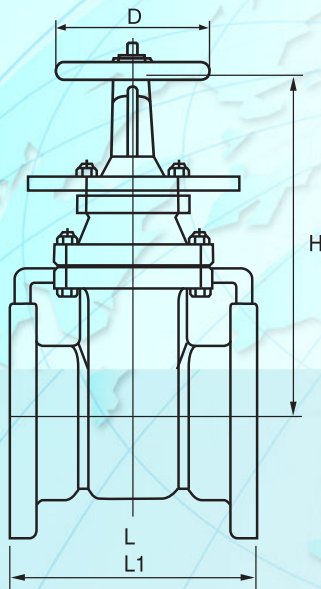
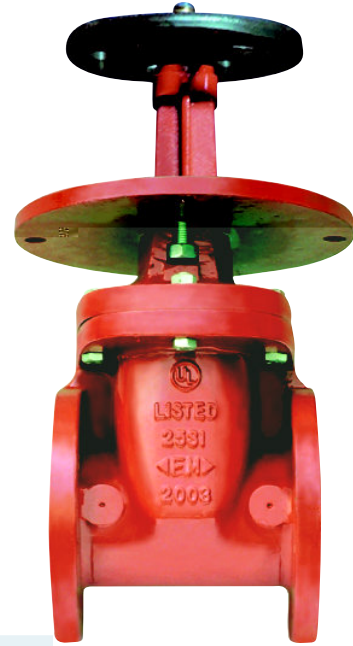


Shield - Non Rising Stem Gate Valves

UL Listed. **FM** Approved.

▲ Model: SD-NRS175GV Flanged and Mechanical Ends

The Non-Rising Stem Gate valves are made from Iron Body, Bronze mounted, Non-Rising Stem. Meets or exceeds all requirements of AWWA C509, Painted with the standard, Epoxy coated inside and outside to AWWA C550 upon request. The mechanical ends comply with AWWA C111 and ANSI A21.11, Flanged ends to ANSI B16.1 with working pressure 175 psi for non shock cold water.



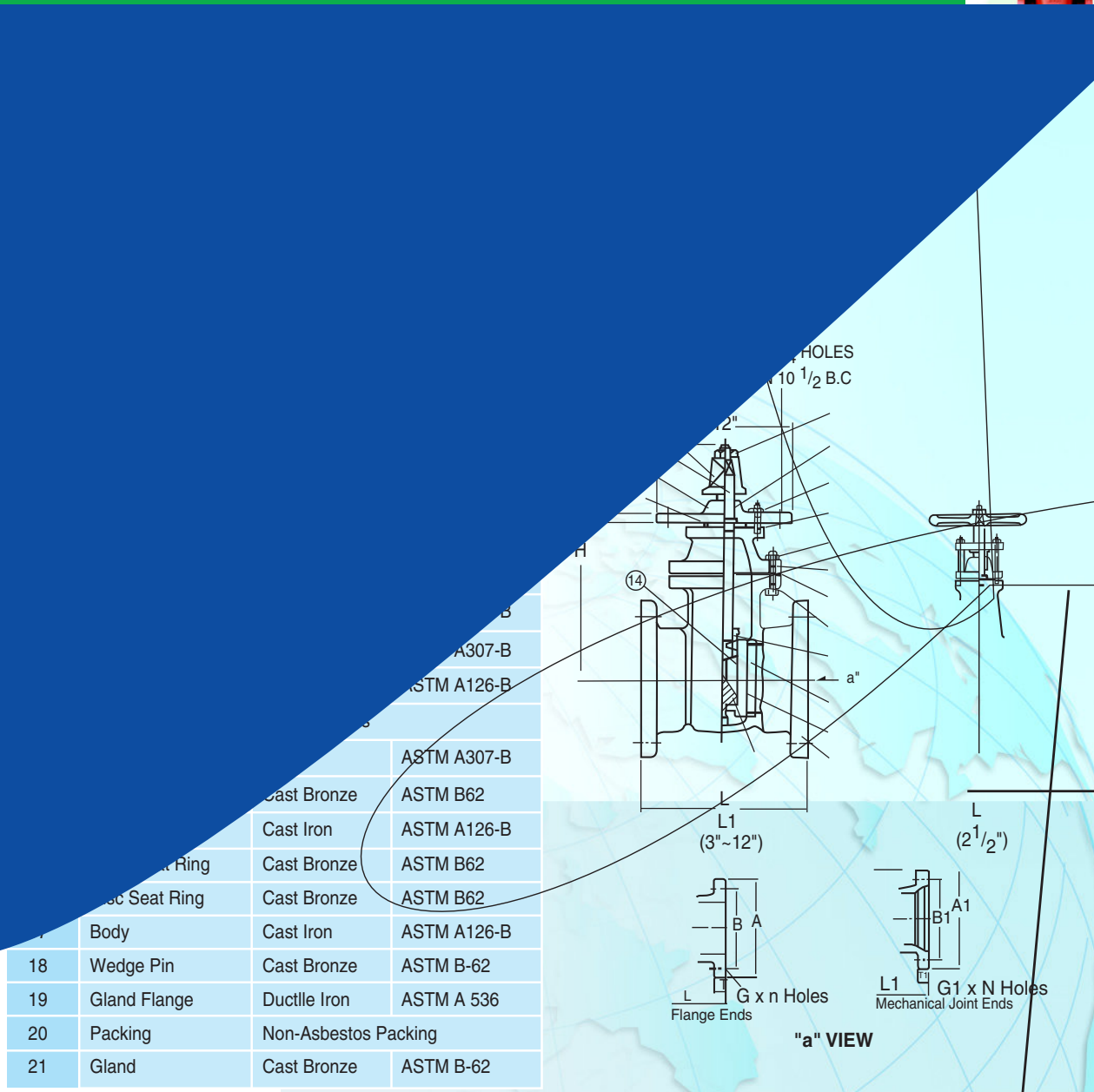
Body	Cast Iron	ASTM A126-B
Bonnet	Cast Iron	ASTM A126-B
Disc	Cast Iron	ASTM A126-B
Stem	Brass	ASTM B16
Seat ring	Cast Bronze	ASTM B62

Product Specifications

Size	L	L1	D	WT LBS
3" (76mm)	9" (229mm)	8" (203mm)	12- ³ / ₃₂ " (307mm)	74
4" (102mm)	10" (254mm)	9" (229mm)	13- ⁴⁵ / ₆₄ " (348mm)	103
6" (152mm)	11- ¹ / ₂ " (292mm)	10- ¹ / ₂ " (267mm)	18- ³ / ₃₂ " (460mm)	179
8" (203mm)	11- ¹ / ₂ " (292mm)	11- ¹ / ₂ " (292mm)	21" (533mm)	261
10" (254mm)	13" (330mm)	13" (330mm)	24- ¹⁹ / ₃₂ " (625mm)	409
12" (305mm)	14" (356mm)	14" (356mm)	28- ¹³ / ₆₄ " (716mm)	552

L : Mechanical Joint Ends comply with Awwa C111 and ANSI A21.11

L1: Flanged Ends have 125 lb. American Standard End Flange Drilling ANSI B16.1.



			ASTM A307-B
			ASTM A126-B
			ASTM A307-B
	Cast Bronze		ASTM B62
	Cast Iron		ASTM A126-B
	Cast Bronze		ASTM B62
	Cast Bronze		ASTM B62
	Cast Iron		ASTM A126-B
18	Wedge Pin	Cast Bronze	ASTM B-62
19	Gland Flange	Ductile Iron	ASTM A 536
20	Packing	Non-Asbestos Packing	
21	Gland	Cast Bronze	ASTM B-62

Dimensions & Weights

(Dimensions in Inches)

mark	A	A1	B	B1	L	L1	T	T1	H	M	Gxn	G1>n
2 ¹ / ₂ "	7		5.5		7.5		0.69		13.27		3/4 x 4	
3"	7.5	7.69	6	6.19	8	9	0.75	0.94	12.07	0.65	3/4 x 4	3/4 x 4
4"	9	9.12	7.5	7.5	9	10	0.94	1	13.65	0.65	3/4 x 8	7/8 x 4
6"	11	11.12	9.5	9.5	10.5	11.5	1	1.06	18.06	0.75	7/8 x 8	7/8 x 6
8"	13.5	13.37	11.75	11.75	11.5	11.5	1.13	1.12	20.99	0.75	7/8 x 8	7/8 x 6
10"	16	15.63	14.25	14	13	13	1.18	1.19	24.6	0.81	1 x 12	7/8 x 8
12"	19	17.88	17	16.25	14	14	1.25	1.25	28.23	0.87	1 x 12	7/8 x 8



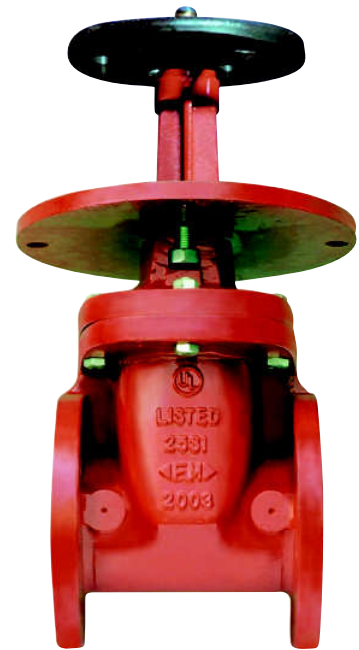
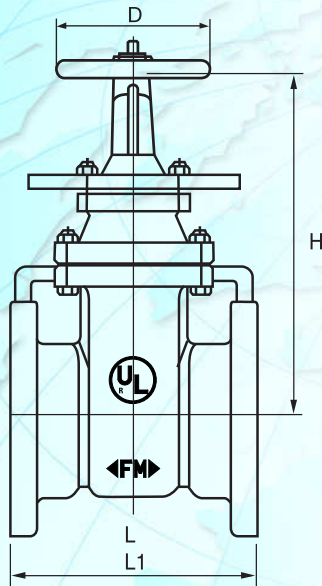
Shield - Non Rising Stem Gate Valves

UL Listed. **FM** Approved.

▲ **Model: SD-NRS200GV Flanged and Mechanical Ends**

▲ **Model: SD-NRS200GGV Grooved Ends**

The Non-Rising Stem Gate valves are made from Iron Body, Bronze mounted, Non-Rising Stem. Meets or exceeds all requirements of AWWA C509, Painted with standard color, Epoxy coated inside and outside to AWWA C550 upon request. The mechanical ends comply with AWWA C111 and ANSI A21.11, the Flanged ends to ANSI B16.1 working pressure 200 psi for non shock cold water.



Body	Cast Iron	ASTM A126-B
Bonnet	Cast Iron	ASTM A126-B
Disc	Cast Iron	Coated with EPDM
Stem	Brass	ASTM B16

Product Specifications

Size	L	H	D	WT LBS
2-1/2" (64mm)	7-1/2" (191mm)	7-1/2" (191mm)	9-61/64" (253mm)	42.2
3" (76mm)	9-1/2" (241mm)	8" (203mm)	13-55/64" (352mm)	77.0
4" (102mm)	11" (279mm)	9" (229mm)	14-21/64" (364mm)	90.2
6" (152mm)	12" (305mm)	10-1/2" (267mm)	18-17/64" (464mm)	146.1
8" (203mm)	12-1/2" (318mm)	11-1/2" (292mm)	21-45/64" (551mm)	228.8
10" (254mm)	14-3/4" (375mm)	13" (330mm)	25-5/8" (651mm)	387.4

Shield - Non Rising Stem Gate Valves



UL Listed. **FM** Approved.

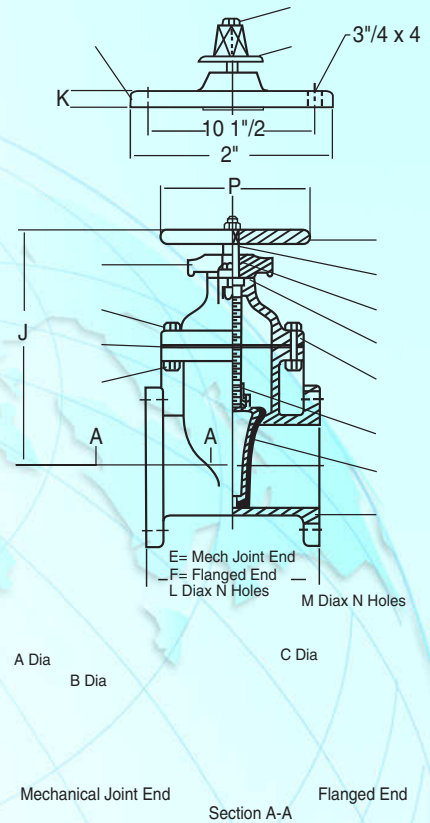
Model: SD-NRS200GV Flanged and Mechanical Ends

Model: SD-NRS200GGV Grooved Ends

Materials List

No.	Description	Material	Specification
1	Ind. Post Flange	Cast Iron	ASTM A126-B
2	Nut	Steel	ASTM A307-B
3	Handwheel	Cast Iron	ASTM A126-B
4	O-ring	EPDM	Commercial
5	Disc Nut	Cast Bronze	ASTM B-62
6	Bolt	Steel	ASTM A307-B
7	Nut	Steel	ASTM A307-B
8	Body	Cast Iron	ASTM A126-B
9	Operating Nut	Cast Iron	ASTM A126-B
10	Stem	Brass	ASTM B-16
11	Stuffing Box	Cast Iron	ASTM A126-B
12	Bonnet	Cast Iron	ASTM A126-B
13	Rubber Gasket	EPDM	Commercial
14	Disc	Cast Iron EPDM Coating	ASTM A126-B Commercial
15	O-ring	EPDM	Commercial

• Stem is also available in Bronze or Stainless Steel



Dimensions & Weights

Nominal Size	Dimensions in Inches													Approx Net Wt. (lbs)	
	A	B	C	D	E	F	G	H	J	K	LxN	MxN	P	721-UF	721-UM
2 1/2"	-	-	7.0	5.5	-	7.5	-	0.69	10.0	-	-	3/4 x 4	7	42	-
3"	7.69	6.19	7.5	6.0	9.50	8.0	0.94	0.75	13.9	0.65	3/4 x 4	3/4 x 4	8	77	90
4"	9.12	7.50	9.0	7.5	11.00	9.0	1.00	0.94	14.3	0.65	29/32 x 4	3/4 x 8	10	104	122
6"	11.12	9.50	11.0	9.5	12.00	10.5	1.06	1.00	18.3	0.75	29/32 x 6	7/8 x 8	12	182	207
8"	13.37	11.75	13.5	11.8	12.50	11.5	1.12	1.13	21.7	0.75	29/32 x 6	7/8 x 8	14	246	295
10"	15.62	14.00	16.0	14.3	14.25	13.0	1.19	1.18	25.6	0.81	29/32 x 8	1 x 2	16	436	498

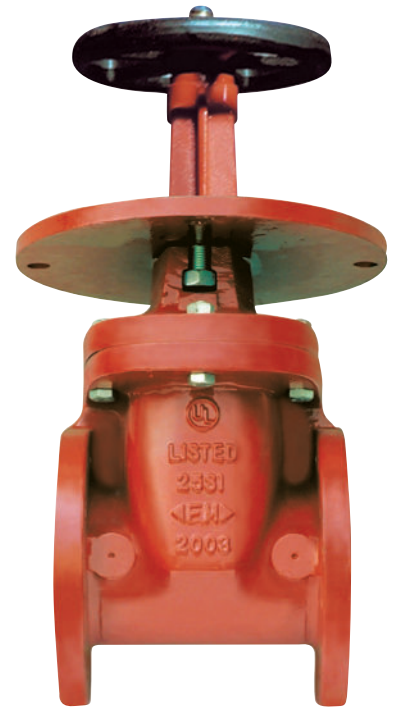
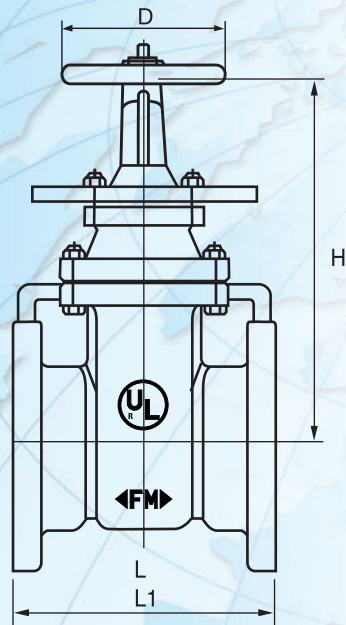


Shield - Non Rising Stem Gate Valves

UL Listed. **FM** Approved.

▲ Model: SD-NRS250GV Flanged Ends Mechanical Ends

The Non-Rising Stem Gate valves are made from Iron Body, Bronze mounted, Non-Rising Stem, meets or exceeds all requirements of AWWA C509, Painted with standard color, Epoxy coated inside and outside to AWWAC550 upon request. The mechanical ends comply with AWWA C111 and ANSI A21.11, the Flanged Ends to ANSI B 16.1 with working pressure 250 psi for non shock cold water.



Body	Cast Iron	ASTM A126-B
Bonnet	Cast Iron	ASTM A126-B
Disc	Cast Iron	Coated with EPDM
Stem	Brass	ASTM B16

Product Specifications

Size	L	H	D	WT LBS
2-1/2" (64mm)	7-1/2" (191mm)	7-1/2" (191mm)	9-61/64" (253mm)	42.2
3" (76mm)	9-1/2" (241mm)	8" (203mm)	13-55/64" (352mm)	77.0
4" (102mm)	11" (279mm)	9" (229mm)	14-21/64" (364mm)	90.2
6" (152mm)	12" (305mm)	10-1/2" (267mm)	18-17/64" (464mm)	146.1
8" (203mm)	12-1/2" (318mm)	11-1/2" (292mm)	21-45/64" (551mm)	228.8
10" (254mm)	14-3/4" (375mm)	13" (330mm)	25-5/8" (651mm)	387.4



Shield - Non Rising Stem Gate Valves

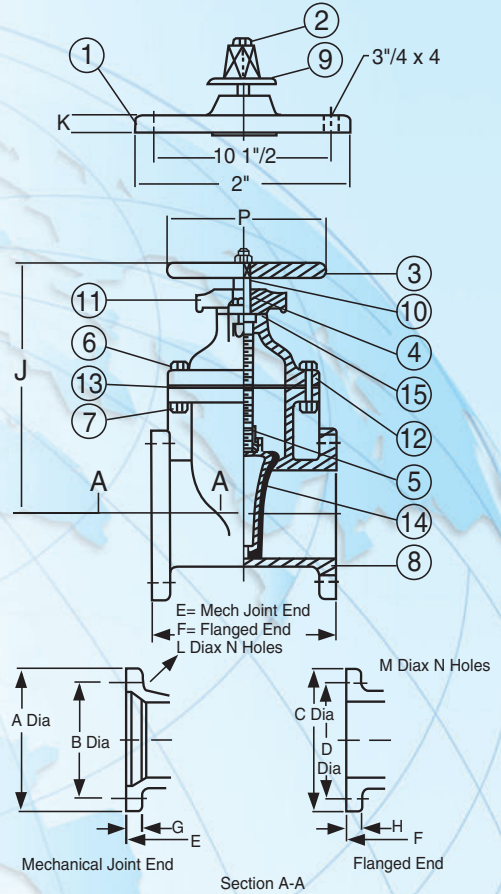
UL Listed. **FM** Approved.

▲ **Model: SD-NRS250GV Flanged Ends Mechanical Ends**

Materials List

No.	Description	Material	Specification
1	Ind. Post Flange	Cast Iron	ASTM A126-B
2	Nut	Steel	ASTM A307-B
3	Handwheel	Cast Iron	ASTM A126-B
4	O-ring	EPDM	Commercial
5	Disc Nut	Cast Bronze	ASTM B-62
6	Bolt	Steel	ASTM A307-B
7	Nut	Steel	ASTM A307-B
8	Body	Cast Iron	ASTM A126-B
9	Operating Nut	Cast Iron	ASTM A126-B
10	Stem	Brass	ASTM B-16
11	Stuffing Box	Cast Iron	ASTM A126-B
12	Bonnet	Cast Iron	ASTM A126-B
13	Rubber Gasket	EPDM	Commercial
14	Disc	Cast Iron EPDM Coating	ASTM A126-B Commercial
15	O-ring	EPDM	Commercial

• Stem is also available in Bronze or Stainless Steel



Dimensions & Weights

Nominal Size	Dimensions in Inches													Approx Net Wt. (lbs)	
	A	B	C	D	E	F	G	H	J	K	LxN	MxN	P	721-UF	721-UM
2 1/2"	-	-	7.0	5.5	-	7.5	-	0.69	10.0	-	-	3/4 x 4	7	42	-
3"	7.69	6.19	7.5	6.0	9.50	8.0	0.94	0.75	13.9	0.65	3/4 x 4	3/4 x 4	8	77	90
4"	9.12	7.50	9.0	7.5	11.00	9.0	1.00	0.94	14.3	0.65	29/32 x 4	3/4 x 8	10	104	122
6"	11.12	9.50	11.0	9.5	12.00	10.5	1.06	1.00	18.3	0.75	29/32 x 6	7/8 x 8	12	182	207
8"	13.37	11.75	13.5	11.8	12.50	11.5	1.12	1.13	21.7	0.75	29/32 x 6	7/8 x 8	14	246	295
10"	15.62	14.00	16.0	14.3	14.25	13.0	1.19	1.18	25.6	0.81	29/32 x 8	1 x 2	16	436	498

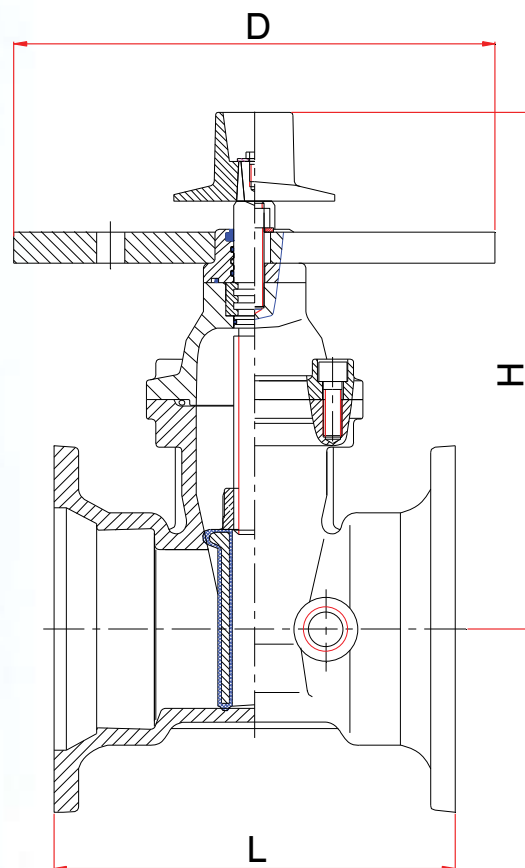
Shield - NRS Gate Valves



Approved.

▲ Model: SD-NRS 300GV

The Non-Rising Stem Gate Valves are with Ductile Iron Body, bronze mounted, Non Rising stem, comply with AWWA C515, painted with standard colour, Fusion Bonded Epoxy Coated Interior and Exterior. Flanged to CLASS 150 ANSI B16.5 with a working pressure **300psi / 21 bar** non shock cold water.



Dimensions (inch / mm)

Size	L		H		D	
	in	mm	in	mm	in	mm
4.0"	9.0	229	12.0	305	12.0	305
5.0"	10.0	254	15.0	380	12.0	305
6.0"	10½	267	16½	417	12.0	305
8.0"	11½	292	20 ⁵ / ₈	525	12.0	305
10.0"	14.0	356	24½	621	12.0	305
12.0"	14.0	356	28.0	711	12.0	305

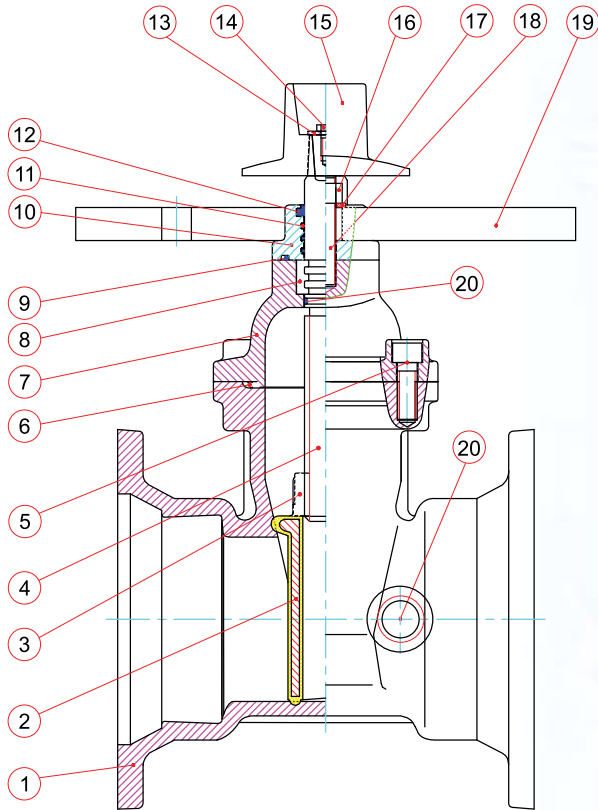
Note : UL is Pending

Shield - NRS Gate Valves



Approved.

▲ Model: SD-NRS 300GV



Material List

No.	Description	Specification
1	Body	ASTM A536 Gr65-45-12
2	Wedge Disc	EPDM + DI.
3	Disc Nut	SS304 or ASTM B62
4	Stem	AISI 420
5	Bolt M12x35	ASTM A307B
6	Gasket	EPDM
7	Bonnet	ASTM A536 Gr65-45-12
8	Thrust Collar	ASTM B62
9	O - Ring 45x3.55	EPDM
10	Gland	ASTM A536 Gr65-45-12
11	O - Ring 25x2.65	EPDM
12	Dustproof Ring ø25x5	EPDM
13	Washer 6	C.S. Zinc Plated
14	Bolt M6x15	ASTM A307B
15	Wrench Nut	ASTM A536 Gr65-45-12
16	Nut M12	SS316
17	Plate Washer	SS316
18	Bolt M12x65	SS316
19	Post Plate	ASTM A536 Gr65-45-12
20	O - Ring 21.5x2.65	EPDM
21	Npt Plug	Brass ASTM B16

Description	Material	Specification
NPT Plug	Brass	B16, C36000
Post Plate	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Gland	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EDPM	Commercial
Stem	Stainless Steel	AISI 420
Disc Nut	Bronze	ASTM B62
Wedge Disc	Ductile Iron with EDPM Coated	
Body	Ductile Iron	A536 65-45-12



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