

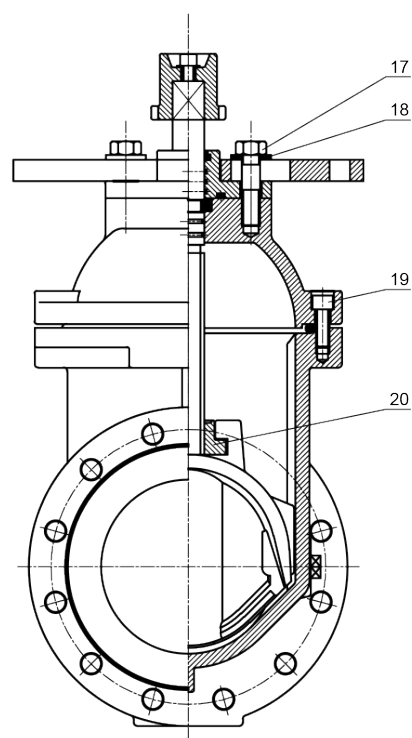
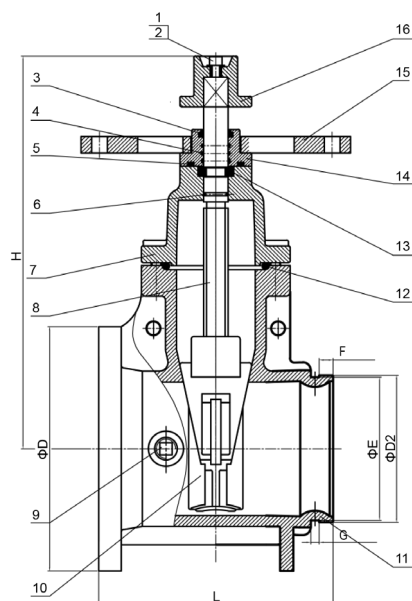
**300PSI NRS  
Flanged X Grooved End Gate Valve**

**Model: NRS-FRA**

Resilient Wedge NRS Gate Valve – Grooved X Flanged End

Version 1.01  
January 2025 release

# 300PSI NRS Flanged X Grooved End Gate Valve Model: NRS-FRA



## Technical Features

Nominal Pressure	300PSI
Face to Face Standard	ASME B16.10
Sizes	2½", 3", 4", 5", 6", 8", 10", 12"
Flange Standard	ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16
Groove Standard	Metric or ANSI / AWWA C606
Approvals	UL & FM
Maximum Working Pressure	300PSI (Maximum Testing Pressure: 600 PSI) conforms to UL262 & FM 1120 / 1130
Maximum Working Temperature	80°C / 176°F
Coating Details	Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
NPT plug on body with 2 operating nuts	

## Valve Material List

No	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron + EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

## Dimensions

Part No.	Size	DN	L	D	F	D2	E	G	H
NRS-FRA-065	2 ½"	65	190	178	15.9	73	69.1	7.9	292
						76.1	72.3		
NRS-FRA-080	3"	80	203	191	15.9	88.9	84.9	7.9	322
NRS-FRA-100	4"	100	229	229	15.9	114.3	110.1	9.5	342
NRS-FRA-125	5"	125	254	254	15.9	139.7	135.5	9.5	412
						141.3	137		
NRS-FRA-150	6"	150	267	279	15.9	165.1	160.8	9.5	448
						168.3	163.9		
NRS-FRA-200	8"	200	292	343	19	216.3	211.6	11.1	534
						219.1	214.3		
NRS-FRA-250	10"	250	330	406	19	273	268.3	12.7	635
NRS-FRA-300	12"	300	356	483	19	323.9	318.3	12.7	720



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