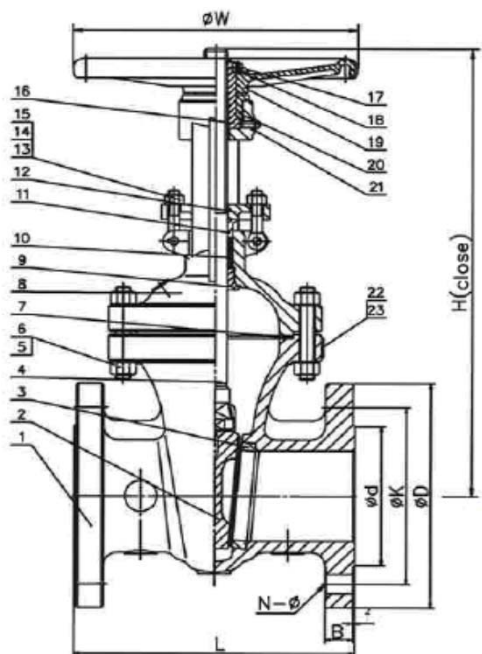


FGA Series Cast Steel Full Bore Gate Valve - ANSI Class 150 & 300

The "FGA" range of Cast Steel Gate valves are manufactured with bolted bonnet assembly option. Constructed using a high integrity cast body. Flexible wedge with full guide rail, Outside Screw and Yoke design. Flexible graphite, spiral wound or ring joint type gasket available depending on application. Two piece self-aligning packing gland. Available in carbon steel as standard, with alloy steels and exotic metals by request.



No	Name	Material
1	Body	ASTM A 216 GR WCB
2	Wedge	ASTM A216 GR WCB+13 % CR SS
3	Seat	ASTM A105 + STELLITE
4	Stem	ASTM A182 GR F6a CL 2
5	Bolt	ASTM A 193 GR B7
6	Nut	ASTM A194 GR 2H
7	Gasket	SS304 + GRAPHITE
8	Bonnet	ASTM A216 GR WCB
9	Back Seat	ASTM A276-410
10	Packing	GRAPHITE
11	Packing Gland	ASTM A276-410
12	Gland Flange	ASTM A216 GR WCB
13	Eye Bolt	ASTM A193 GR B7
14	Hex Nut	ASTM A194 GR 2H
15	Pin	AISI 1035
16	Stem Nut	ASTM A439 GR D2
17	Locking Nut	AISI 1035
18	Screw	ASTM A36
19	Hand wheel	A536 GR60-40-18
20	Bearing Cover	AISI 1025
21	Name Plate	ALUMINIUM
22	Rivet	ALUMINIUM

- Design and manufacture to API600
- Face to Face dimension as per ANSI B16.10
- Flanged end dimensions to ANSI B16.5 (24" and below) and ANSI B16.47 (over 24")
- Butt Weld end dimensions to ANSI B16.25
- Pressure Temperature rating to ASME B16.34
- Test and Inspection to API598
- Body marking as per MSS-SP-25

Dimensions for Class 150, FB Gate Valve in mm

NPS	L	D	K	d	B	f	N-Ø	H	W	Wt(Kg)
2	178	150	120.7	92.1	14.3	2	4- Ø19	345	200	20
2 1/2	190	180	139.7	104.8	15.9	2	4- Ø19	375	200	30
3	203	190	152.4	127	17.5	2	4- Ø19	418	250	33
4	229	230	190.5	157.2	22.3	2	8- Ø19	490	280	49
6	267	280	241.3	215.9	23.9	2	8- Ø22	605	300	75
8	292	345	295.5	269.9	27	2	8- Ø22	746	350	120
10	330	405	362	323.8	28.6	2	12- Ø26	920	400	205
12	356	485	431.8	381	30.2	2	12- Ø26	1060	450	290

Test Pressures - ANSI Class 150		
Body (Hydro)	3.0	mPa
Seat (Hydro)	2.2	mPa
Seat (Air)	0.6	mPa
Back Seat (Hydro)	2.2	mPa
Suitable Temperature	-29 to 425	° C
Suitable media	Water,Gas,Oil etc	

Dimensions for Class 300, FB Gate Valve in mm

NPS	L	D	K	d	B	f	N-Ø	H	W	Wt(Kg)
2	216	165	127	91.9	20.76	2	8- Ø19	345	200	24
2 1/2	241	190	149.2	104.8	23.9	2	8- Ø22	381.5	200	36
3	282	210	168.3	127	27	2	8- Ø22	418	250	47
4	305	255	200	157.2	30.2	2	8- Ø22	490	280	69
6	403	320	269.9	215.9	35	2	12- Ø22	620	350	123
8	419	380	330.2	269.9	39.7	2	12- Ø26	770	400	196
10	457	445	387.4	323.8	46.1	2	16- Ø29	965	450	333
12	502	520	450.8	381	49.3	2	16- Ø32	1125	550	440

Test Pressures - ANSI Class 300		
Body (Hydro)	7.75	mPa
Seat (Hydro)	5.6	mPa
Seat (Air)	0.6	mPa
Back Seat (Hydro)	5.6	mPa
Suitable Temperature	-29 to 425	° C
Suitable media	Water,Gas,Oil etc	