



**FORGED STEEL GATE**

**SM801CF/SM803CF**



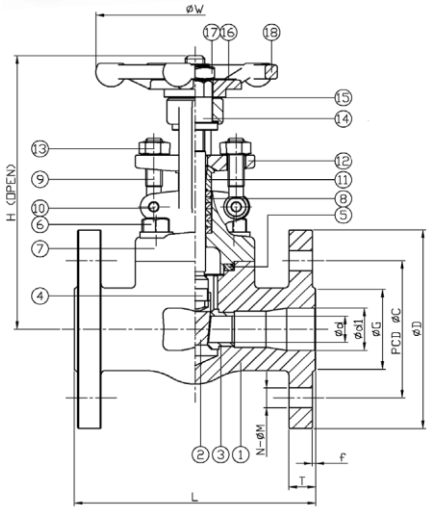
**FEATURES**

- Class 150
- Class 300
- Flanged Ends
- OS&Y
- Conventional Port
- NACE MR-0175

**APPLICABLE STANDARDS**

- Basic Design API 602 & ASME B16.34
- Flanged Ends ASME B16.5
- Face to Face Dimensions per ASME B16.10
- Test and Inspection to API 598

**Materials of Construction**



Item	Part	Material Spec
1	Body	ASTM A105N
2	Wedge	ASTM A276-420
3	Seat Ring	ASTM A276-410 + Stellite
4	Stem	ASTM A276-410
5	Gasket	304 + Graphite
6	Bolt	ASTM A193-B7
7	Bonnet	ASTM A105N
8	Packing	Graphite
9	Eye Bolt	ASTM A193-B7
10	Pin	ASTM A276-304
11	Gland	ASTM A276-420
12	Gland Flange	ASTM A105N
13	Nut	ASTM A194-2H
14	Stem Nut	ASTM A276-410
15	Washer	
16	Nameplate	Aluminum
17	Handwheel Nut	ASTM A108-1020
18	Handwheel	ASTM A197

**SM801CF - 150# Dimensions (Inches)**

Size	d	d1	G	C	D	L	H	W	T	f	N	M	Torque (in-lbs)	Weight (lb)
1/2"	0.39	0.63	1.37	2.37	3.54	4.25	6.02	3.94	0.47	0.06	4	0.63	460.20	6.20
3/4"	0.49	0.83	1.69	2.75	3.94	4.61	6.18	3.94	0.53	0.06	4	0.63	460.20	7.30
1"	0.71	1.04	2.00	3.13	4.33	5.00	7.28	4.72	0.59	0.06	4	0.63	690.40	11.60
1-1/4"	0.94	1.38	2.50	3.50	4.53	5.51	8.90	6.30	0.65	0.06	4	0.63	805.40	17.20
1-1/2"	1.14	1.61	2.87	3.87	4.92	6.50	9.49	6.30	0.72	0.06	4	0.63	805.40	20.30
2"	1.44	2.07	3.63	4.75	5.91	7.01	10.83	8.66	0.78	0.06	4	0.75	920.50	30.20

**SM803CF - 300# Dimensions (Inches)**

Size	d	d1	G	C	D	L	H	W	T	f	N	M	Torque (in-lbs)	Weight (lb)
1/2"	0.39	0.63	1.37	2.63	3.74	5.51	6.02	3.94	0.59	0.06	4	0.63	460.20	7.90
3/4"	0.49	0.83	1.69	3.25	4.53	5.98	6.18	3.94	0.65	0.06	4	0.75	460.20	9.90
1"	0.71	1.04	2.00	3.50	4.92	6.50	7.28	4.72	0.72	0.06	4	0.75	690.40	14.80
1-1/4"	0.94	1.38	2.50	3.87	5.31	7.01	8.90	6.30	0.78	0.06	4	0.75	805.40	20.90
1-1/2"	1.14	1.61	2.87	4.50	6.10	7.48	9.49	6.30	0.85	0.06	4	0.89	805.40	25.40
2"	1.44	2.07	3.63	5.00	6.50	8.50	10.83	8.66	0.91	0.06	8	0.75	920.50	38.10

The information presented on this sheet is correct at the time of publication. Service Metal reserves the right to change design, and/or material specifications without notice.