



FORGED STEEL GATE VALVE

SM805CS/SM805CT



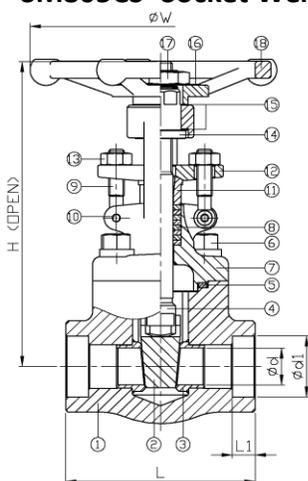
FEATURES

- Class 1500
- Conventional Port
- OS&Y
- Socket Weld Ends
- Threaded Ends
- Bolted Bonnet
- Rising Stem
- Solid Wedge
- NACE MR-0175

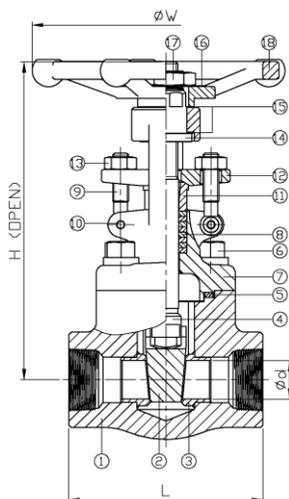
APPLICABLE STANDARDS

- Basic Design API 602 & ASME B16.34
- Socket Weld ANSI 16.11
- Threaded ANSI B1.20.1
- Test and Inspection to API 598

SM805CS -Socket Weld



SM805CT - Threaded



Materials of Construction

Item	Part	Material Spec
1	Body	ASTM A105N
2	Wedge	ASTM 276-420
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

SM805CS - Socket Weld Dimensions (Inches)

Size	d	d1	L	L1	H	W	Torque (in-lbs)	Weight (lbs)
1/4"	0.30	0.56	4.37	0.39	7.09	4.72	531.00	8.20
3/8"	0.39	0.69	4.37	0.39	7.09	4.72	531.00	8.20
1/2"	0.51	0.86	4.37	0.39	7.09	4.72	531.00	8.20
3/4"	0.51	1.07	4.37	0.51	7.09	4.72	619.50	8.20
1"	0.71	1.33	4.72	0.51	8.66	6.30	708.10	12.80
1-1/4"	0.94	1.68	4.72	0.51	9.25	6.30	885.10	13.90
1-1/2"	1.14	1.92	5.51	0.51	10.47	8.66	1062.10	20.90
2"	1.44	2.41	6.30	0.65	12.68	8.66	1327.60	34.20

SM805CT - Threaded Dimensions (Inches)

Size	d	L	H	W	Torque (in-lbs)	Weight (lbs)
1/4"	0.30	4.37	7.09	4.72	531.00	8.20
3/8"	0.39	4.37	7.09	4.72	531.00	8.20
1/2"	0.51	4.37	7.09	4.72	531.00	8.20
3/4"	0.51	4.37	7.09	4.72	619.50	8.20
1"	0.71	4.72	8.66	6.30	708.10	12.80
1-1/4"	0.94	4.72	9.25	6.30	885.10	13.90
1-1/2"	1.14	5.51	10.47	8.66	1062.10	20.90
2"	1.44	6.30	12.68	8.66	1327.60	34.20

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.