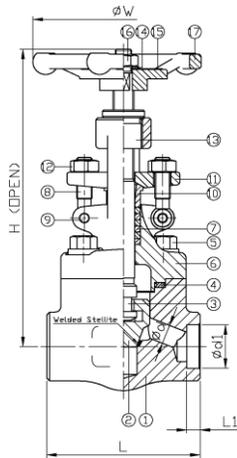
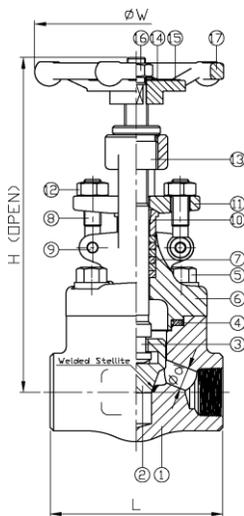




SM820CS -Socket Weld



SM820CT - Threaded



FEATURES

- Class 800
- 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

Materials of Construction

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

SM820CS - Socket Weld Dimensions (Inches)

Size	d	d1	L	L1	H	W	Torque (in-lbs)	Weight (lbs)
1/4"	0.27	0.56	3.11	0.39	6.34	3.94	309.80	4.90
3/8"	0.27	0.69	3.11	0.39	6.34	3.94	309.80	4.90
1/2"	0.37	0.86	3.11	0.39	6.34	3.94	309.80	4.90
3/4"	0.49	1.07	3.62	0.51	6.34	3.94	354.00	5.30
1"	0.69	1.33	4.37	0.51	7.60	4.72	398.30	8.20
1-1/4"	0.93	1.68	4.72	0.51	9.06	6.30	531.00	13.20
1-1/2"	1.12	1.92	5.98	0.51	9.76	6.30	619.50	16.50
2"	1.44	2.41	6.77	0.65	11.10	8.66	796.60	22.60

SM820CT - Threaded Dimensions (Inches)

Size	d	L	H	W	Torque (in-lbs)	Weight (lbs)
1/4"	0.27	3.11	6.34	3.94	309.80	4.90
3/8"	0.27	3.11	6.34	3.94	309.80	4.90
1/2"	0.37	3.11	6.34	3.94	309.80	4.90
3/4"	0.49	3.62	6.34	3.94	354.00	5.30
1"	0.69	4.37	7.60	4.72	398.30	8.20
1-1/4"	0.93	4.72	9.06	6.30	531.00	13.20
1-1/2"	1.12	5.98	9.76	6.30	619.50	16.50
2"	1.44	6.77	11.10	8.66	796.60	22.60

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.