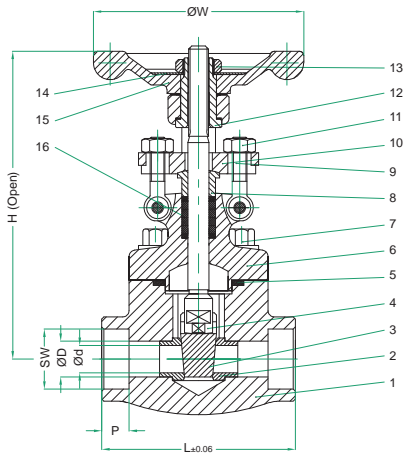




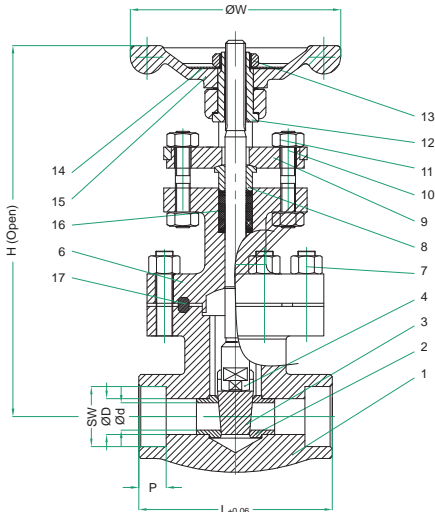
Features / Design

- 1.- Forged Steel, OS&Y Design.
- 2.- Solid Wedge & Renewable Welded Seat Rings.
- 3.- Sizes 1/2" to 2", Class 800# to 2500#.
- 4.- Basic design API 602 & ANSI B16.34.
- 5.- Threaded ends according to ANSI B1.20.1.
- 6.- Socket Weld ends according to ANSI B16.11.
- 7.- Butt Weld ends according to ANSI B16.25.
- 8.- Flanged ends ANSI B16.5 (welded).
- 9.- Face to face dimensions acc. to MFG.
- 10.- Inspection & Testing API 598.

For ASME 800# / 1500#



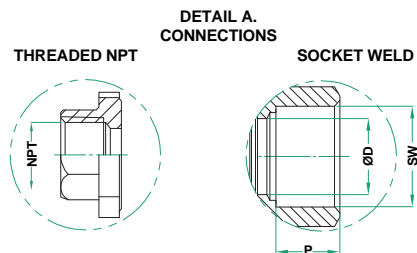
For ASME 2500#



Material List

NO.	DESCRIPTION	MATERIAL	
		TRIM 8	TRIM 10
1	BODY	A105N	A182 F316
2	SEAT RING	A182 F6a + STL 6#	A182 F316
3	WEDGE	A182 F6a	A182 F316
4	STEM	A276 410	A276 316
5	GASKET	SS304 + GRAPHITE	SS316 + GRAPHITE
6	BONNET	A105N	A182 F316
7	BOLT	A193 B7M	A193 B8M
8	GLAND	A182 F6a	A182 F316
9	GLAND EYEBOLT	A193 B7M	A193 B8M
10	GLAND FLANGE	A105N	A182 F316
11	GLAND NUT	A194 2HM	A194 8M
12	YOKE NUT	ASTM 1035	ASTM 1035
13	HANDWHEEL NUT	A194 2HM	A194 2HM
14	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL
15	HANDWHEEL	A197	A197
16	PACKING	FLEX. GRAPHITE	FLEX. GRAPHITE
17	SEAL RING	SS304	SS316

NOTE: Material list as example, TRIM 8 and 10 acc. to NACE MR0175, other materials and trims available; please contact us.



Dimensions (inches)

ANSI CLASS 800#

SIZE	L (in)	Ød (in)	ØD (in)	NPT (in)	SW (in)	P MIN (in)	H (in)	ØW (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	3.110	0.406	0.591	1/2"	0.866±0.008	0.374	6.181	3.780	10.0	194.690	247.788	4.850
3/4"	3.622	0.531	0.669	3/4"	1.078±0.008	0.492	6.181	3.780	17.0	265.487	336.283	5.291
1"	4.370	0.709	0.866	1"	1.342±0.008	0.492	8.150	4.724	33.0	300.885	371.681	9.039
1 1/4"	/	/	/	1 1/4"	1.689±0.008	0.492	/	/	50.0	/	/	/
1 1/2"	4.724	1.142	1.378	1 1/2"	1.929±0.008	0.492	9.449	5.906	87.0	460.177	575.221	13.007
2"	5.512	1.417	1.654	2"	2.419±0.010	0.630	11.142	7.008	134.0	530.973	663.717	20.723

ANSI CLASS 1500#

SIZE	L (in)	Ød (in)	ØD (in)	NPT (in)	SW (in)	P MIN (in)	H (in)	ØW (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	3.622	0.406	0.591	1/2"	0.866±0.008	0.374	6.496	3.740	10.0	247.788	309.735	4.630
3/4"	4.370	0.531	0.669	3/4"	1.078±0.008	0.492	7.953	3.528	17.0	318.584	398.230	7.716
1"	4.724	0.709	0.866	1"	1.342±0.008	0.492	8.858	5.709	33.0	389.381	486.726	12.125
1 1/4"	4.724	0.906	1.102	1 1/4"	1.689±0.008	0.492	9.646	5.709	50.0	477.876	601.770	13.007
1 1/2"	5.512	1.142	1.378	1 1/2"	1.929±0.008	0.492	11.220	6.496	87.0	601.770	752.212	22.046
2"	7.008	1.417	1.654	2"	2.419±0.010	0.630	11.811	7.874	200.0	778.761	973.451	30.865

ANSI CLASS 2500#

SIZE	L (in)	Ød (in)	ØD (in)	NPT (in)	SW (in)	P MIN (in)	H ⁽¹⁾ (in)	ØW ⁽²⁾ (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	5.512	0.406	0.591	1/2"	0.866±0.008	0.374	*	*	10.0	566.372	707.965	25.353
3/4"	5.512	0.531	0.669	3/4"	1.078±0.008	0.492	*	*	17.0	637.168	796.460	25.353
1"	7.874	0.709	0.866	1"	1.342±0.008	0.492	*	*	33.0	814.159	1017.699	25.353
1 1/4"	7.874	0.906	1.102	1 1/4"	1.689±0.008	0.492	*	*	50.0	1132.743	1415.929	*
1 1/2"	7.874	1.142	1.378	1 1/2"	1.929±0.008	0.492	*	*	87.0	1752.212	2194.690	*
2"	8.661	1.417	1.654	2"	2.419±0.010	0.630	*	*	134.0	2265.487	2831.858	*

NOTE:

* Please consult with manufacturer.

(1) Height of the center of the port to handwheel for ASME Class 2500# please check with supplier.

(2) Handwheel diameter for ASME Class 2500# please check with supplier.



How to Order

BODY DESIGN (SERIES)	BONNET DESIGN	DISC DESIGN	SPECIAL FEATURES	MATERIAL		ENDS	CLASS	SIZE		OPERATION
				BODY	TRIM*					
52 Gate Valve OS&Y API 602	B Bolted Bonnet	S Solid Wedge	None None	20 A105	01 Obsolete	F Flanged RF ⁽¹⁾	0 ANSI 150#	0.5	1/2"	H Handwheel
			6D API 6D	22 A350 LF2	02 Obsolete	3 ANSI 300#	0.75	3/4"	G Gear Operator	
	N NACE		23 A350 LF3	03 310SS	6 ANSI 600#	01	1"	E Electric Actuator		
	ND NACE / API 6D		24 A182 F1	05 13CR / HF / HF	8 API 800#	01.25	1 1/4"			
	F Fire Safe		25 A182 F11 CL2	06 13CR / 13 CR / CuNi	1 ANSI 1500#	01.5	1 1/2"	P Pneumatic Actuator		
	O Oxigen Service		26 A182 F22 CL3	08 13CR / 13 CR / HF	2 ANSI 2500#	02	2"	B Bare Shaft		
	FE Fugitive Emmissions		27 A182 F5	09 Monel						
	BS Bellows Seal		28 A182 F9	10 316SS						
	CR Criogenic Service		30 A182 F316	11 Monel / Monel/HF						
	FP Full Port		31 A182 F316L	12 316SS / 316SS / HF						
	FN Full Port / NACE		32 A182 F304	13 CN7M						
	FA Full Port / NACE / API 6D		33 A182 F304L	14 CN7M / CN7M/HF						
	G Fire Safe / NACE		40 Monel	15 A105 /HF / HF						
			41 182 F20	16 SS316+HF / SS316+HF / SS316+HF						
			42 Hastelloy	17 316L SS						
			43 A182 F321	18 Alloy 20 / Alloy 20 / Alloy 20 HF						
			44 A182 F347							

Example:

Gate Valve OS&Y API 602, Bolted Bonnet, Solid Wedge, Body A105, Trim 5,
Flanged RF ANSI Class 150#, Size 2" with Handwheel.

52BS2005F002H

NOTES:

* HF = Hard Faced, usually Stellite 6; other upon request.

(1) Flanged valves are flange welded (non integral body), available from 150# to 600#.

