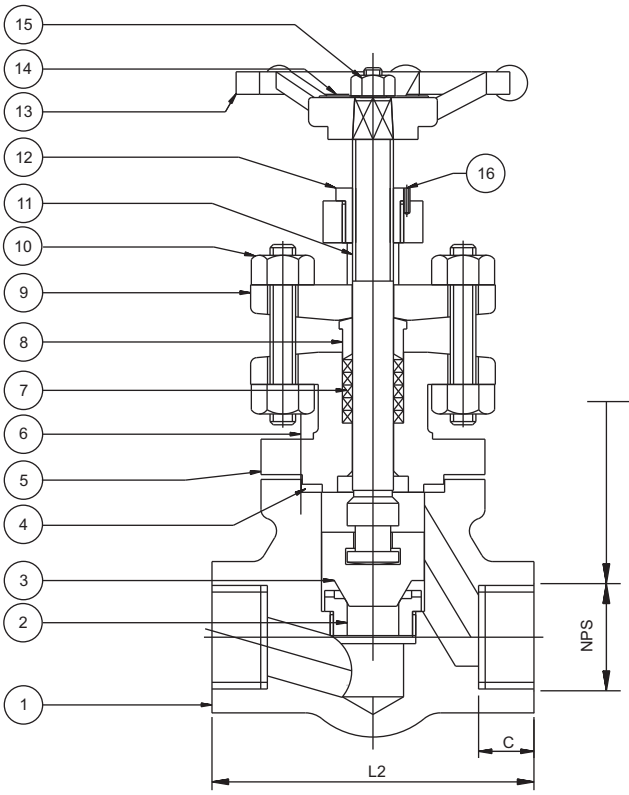
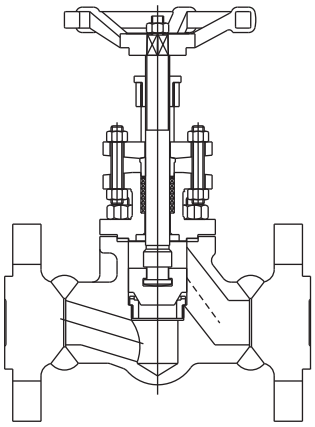
FORGED STEEL GLOBE VALVES - BS EN 15761, ANSI B16.34 CLASS-600,800,1500 & 2500





TRIM MATERIAL COMMINATION (ON REQUEST)			
Trim NO.	Seat ring face Part No.2	Disc Face Part No.3	Stem Part No.11
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410
2	F304	F304	F304/ AISI304
5	STELLITE	STELLITE	F6a/AISI410
8	STELLITE	F6a/13%Cr	F6a/AISI410
9	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20

OTHER TRIM COMBINATION OF API 602 CAN BE PROVIDED ON REQUEST.

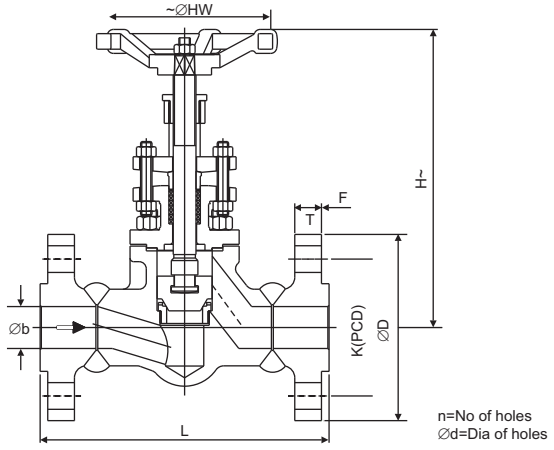
STANDARD MATERIAL COMBINATION

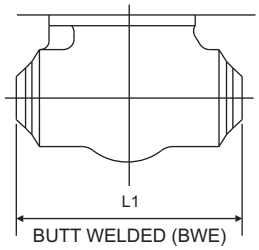
P.NO.	DESCRIPTION	Carbon steel to ASTM			Alloy steel to ASTM			Stainless to ASTM			
1	BODY	A105F	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182F304L	A182F316L
4	GASKET	Stainless steel + Graphoil									
5	BONNET	A105F	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F316	A182F316L
6	STUDS	A193B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193B8	A193B8	A193B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F-304	F-316	F-304L	F-316L
9	GLAND FLANGE	A105F	A350 LF2	A182 F1	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182F304L	A182F316L
10	NUTS	A194 2H	A194 Gr.4	A194 2H	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HANDWHEEL	DI. A536 80-55-06 OR MI IS 2108 BM290									
14	WASHER	CARBON STEEL (ANY GRADE)									
15	HANDWHEEL RETAINING NUT	STEEL									
16	SET SCREW	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F-304	F-316	F-304L	F-316L

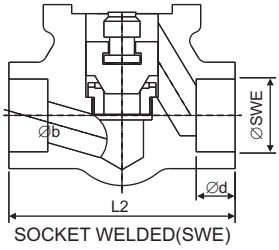
TEST PRESSURES

CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
600	150 Bar g	2175 Psi g	110 Bar g	1595 Psi g	6.9 bar	100 Psi g
800	207 Bar g	3002 Psi g	152 Bar g	2204 Psig g	6.9 bar	100 Psi g
1500	384 Bar g	5568 Psi g	281 Bar g	4075 Psi g	6.9 bar	100 Psi g
2500	639 Bar g	9270 Psi g	468 Bar g	6790 Psi g	6.9 bar	100 Psi g

NOTE: The above data is subject to change without notice.







DIMENSIONAL DATA CLASS-600 (Flanged Ends)

DN	NPS	L(RF)	ϕD	T	K(PCD)	n	ϕd	H	ϕHW	Aprox.Wt.⏊	
15	½	165	95.5	14.2	66.5	4	15.7	155	90	3.900	
20	3/4	190	117.5	15.8	82.5	4	19.1	172	96	7.650	
25	1	216	124	17.5	88.9	4	19.1	210	114	9.32	
32	1 1/4	229	133.5	20.6	98.5	4	19.1	235	155	--	
40	1 ½	241	155.5	22.4	114.3	4	22.3	235	155	17.56	
50	2	292	165.1	25.4	127	8	19.1	270	155	20.640	

DIMENSIONAL DATA CLASS - 800

DN	NPS	ϕb	L1(BWE)	L2(SWE)	H	ϕHW	ϕSWE BS 3799	ϕSWE ASME B16.11	D	Aprox.Wt.⏊
15	½	10	80	80	140	82	21.8 +0.3 -0.0	22.2 21.8	11	1.64
20	3/4	12.5	88	88	155	90	27.4 +0.3 -0.0	27.6 27.2	14	2.050
25	1	18	100	100	172	96	34.1 +0.3 -0.0	34.3 33.9	14	3.2
40	1 ½	30	145	145	235	155	49 +0.3 -0.0	49.2 48.8	14	7.5
50	2	36	170	170	270	155	61 +0.3 -0.0	61.7 61.2	17	11.5

DIMENSIONAL DATA CLASS - 1500

DN	NPS	ϕb	L1(BWE)	L2(SWE)	H	ϕHW	ϕSWE BS 3799	ϕSWE ASME B16.11	D	Aprox.Wt.⏊
15	½	12	100	100	172	96	21.8 +0.3 -0.0	22.2 21.8	11	3.240
20	3/4	16	124	124	210	114	27.4 +0.3 -0.0	27.6 27.2	14	5.190
25	1	19	145	104	235	155	34.1 +0.3 -0.0	34.3 33.9	14	8.1
32	1 1/4	28	170	170	270	155	42.9 +0.3 -0.0	43.1 42.7	14	--
40	1 ½	32	170	170	278	155	49 +0.3 -0.0	49.7 48.8	14	12.6
50	2	37.5	229	229	335	155	61 +0.3 -0.0	61.7 61.2	17	--

DIMENSIONAL DATA CLASS - 2500

DN	NPS	ϕb	L1(BWE)	L2(SWE)	H	ϕHW	ϕSWE BS 3799	ϕSWE ASME B16.11	D	Aprox.Wt.⏊
15	½	11	130	130	320	175	21.8 +0.3 -0.0	22.2 21.8	11	9.295
20	3/4	14	130	130	320	200	27.4 +0.3 -0.0	27.6 27.2	14	10.61
25	1	19	130	130	320	200	34.1 +0.3 -0.0	34.3 33.9	14	11.395

NOTE: The above data is subject to change without notice.

. **(⏊WEIGHT GIVEN IN KGS)**