

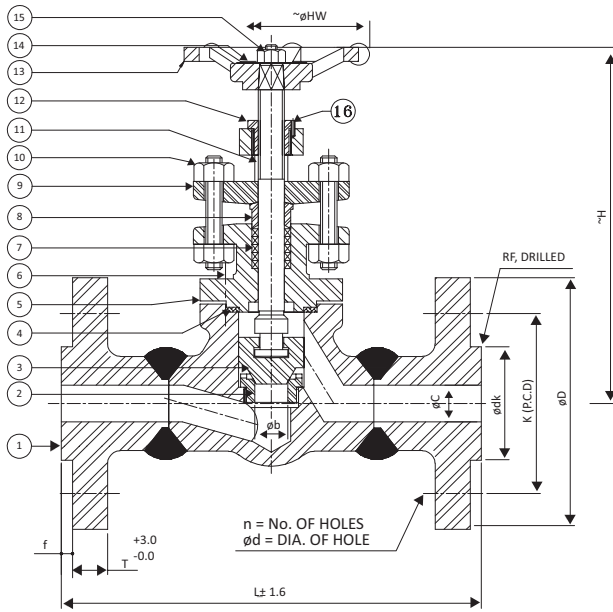
## FORGED STEEL GATE VALVE FLANGE END - ASA 150 CLASS

### Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



### STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon Steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wounded Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
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	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	A194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194Gr.4	A194Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE FLANGE END - ASA 150 CLASS

### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a/13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination.

• All Dimensions in mm

DIMENSIONAL DATA CLASS-150												
MAIN DIMENSIONS						FLANGE DETAILS						
						FLANGE		RAISED	FACE	BOLT		HOLES
SIZE	øA	L	H	øb	HW	D	T	R	f	K	n	ød
15mm	12.5	108	128	9.5		90	8	34.9	2	60.3	4	15.8
20mm	19	117	150		90	100	8.9	42.9	2	69.9	4	15.8
25mm	22	127	168	18	96	110	9.6	50.8	2	79.4	4	15.8
32mm	25	140	192	24	108	115	11.2	63.5	2	88.9	4	15.8
40mm	36	165	222	31	125	125	12.7	73	2	98.4	4	15.8
50mm	40	178	245	33	125	150	14.3	92.1	2	120.7	4	19.05

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
150	30 Bar	435 Psi g	22 Bar	319 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



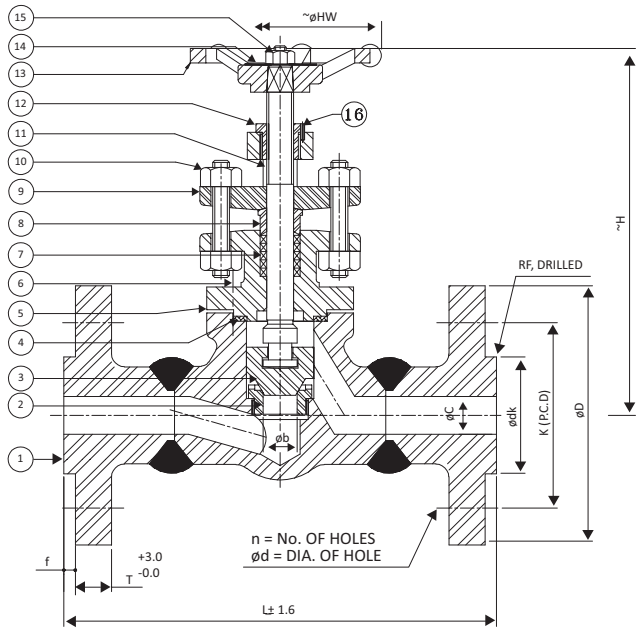
## FORGED STEEL GATE VALVE FLANGE END - ASA 300 CLASS

### Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



### STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wounded Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182F6a	A182F6a	A182F6a	A182F6a	A182F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194Gr.4	A194Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE FLANGE END - ASA 300 CLASS

### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS-300												
MAIN DIMENSIONS						FLANGE DETAILS						
						FLANGE		RAISED	FACE	BOLT		HOLES
SIZE	øA	L	H	øb	HW	D	T	R	f	K	n	ød
15mm	15	140	128	9.5	83	95	12.6	34.9	2	66.7	4	15.8
20mm	20	152	150	12.5	90	115	14.2	42.9	2	82.6	4	19.1
25mm	25	165	165	18	96	125	15.9	50.8	2	88.9	4	19.1
32mm	25	178	192	24	108	135	17.5	63.5	2	98.4	4	19.1
40mm	36	190	222	31	125	155	19.1	73	2	114.3	4	22.2
50mm	40	216	145	33	125	165	20.7	92.1	2	127	8	19.1

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
300	77 Bar	1102 Psi g	57 Bar	780 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



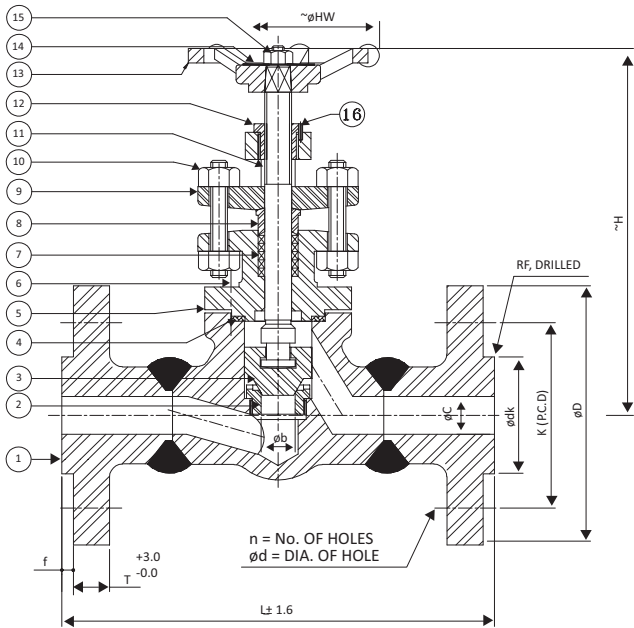
## FORGED STEEL GATE VALVE FLANGE END - ASA 600 CLASS

### Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



### STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
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	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
14	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE FLANGE END - ASA 600 CLASS

### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination.

• All Dimensions in mm

DIMENSIONAL DATA CLASS-600												
MAIN DIMENSIONS						FLANGE DETAILS						
						FLANGE		RAISED	FACE	BOLT		HOLES
SIZE	øA	L	H	øb	HW	D	T	R	f	K	n	ød
15mm	12.5	165	145	12.5	90	95	14.3	34.91	7	66.7	4	15.7
20mm	22	190	170	18	95	115	15.9	42.9	7	82.6	4	19.1
25mm	25	216	186	24	114	125	17.5	50.8	7	88.9	4	19.1
32mm	25	229	220	31	125	135	20.7	63.5	7	98.4	4	19.1
40mm	36	241	220	33	125	155	22.3	73	7	114.3	4	22.3
50mm	40	292	252	35	125	165	25.4	92	7	127	8	19.1

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES					
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST		
			HYDROSTATIC		PNEUMATIC
600	154 Bar	2175 Psi g	113 Bar	1595 Psi g	6.9 bar / 100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



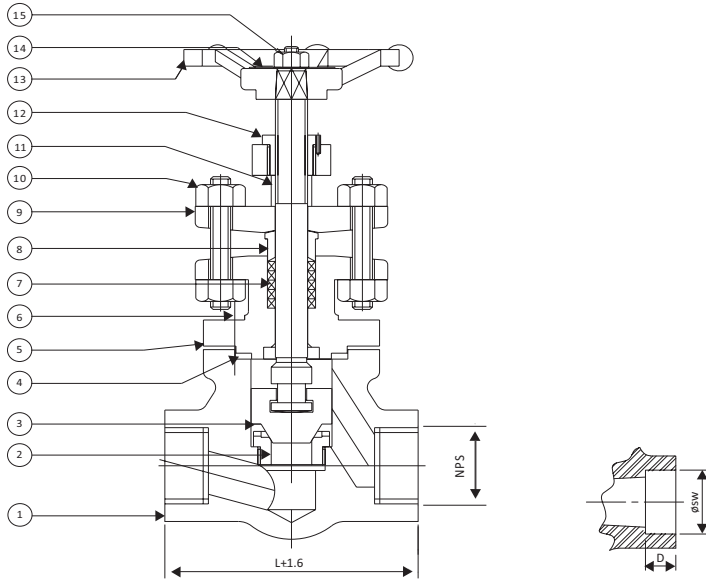


## FORGED STEEL GATE VALVE 800 CLASS (REDUCED BORE)

### Standards & Specifications:

Design Standard : ASME B16.34, BSEN ISO 15761

End Connection : Screwed End / Socket Weld End



#### STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
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	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
14	HANDWHEEL RETAINING NUT	CARBON STEEL									

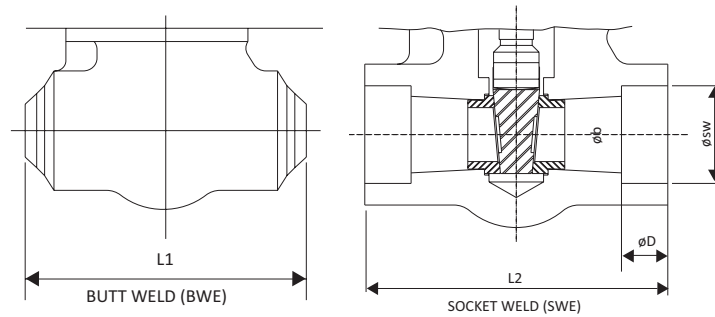
Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE 800 CLASS (REDUCED BORE)



### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 800 (REDUCED BORE)										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx Weight (KGS)
							BS 3799	ASME B16.11		
15	½	9.5	80	80	130	83	+0.3 21.8 -0.0	22.2 21.8	11	1.6
20	¾	12.5	88	88	150	90	+0.3 27.4 -0.0	27.6 27.2	14	2.1
25	1	18	100	100	168	96	+0.3 34.1 -0.0	34.3 33.9	14	3.15
32	1 ¼	24	114	114	186	114	+0.3 42.9 -0.0	43.1 42.7	14	4.92
40	1 ½	31	104	104	222	125	+0.3 49 -0.0	49.2 48.8	14	5.8
50	2	37	116	116	245	125	+0.3 61 -0.0	61.7 61.2	17	9.450

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
800	207 Bar	3003 Psi g	152 Bar	2205 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



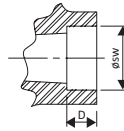
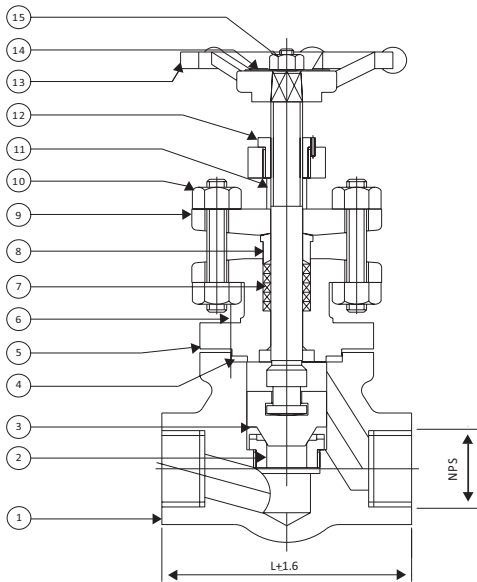


## FORGED STEEL GATE VALVE 800 CLASS (FULL BORE)

### Standards & Specifications:

Design Standard : ASME B16.34, BSEN ISO 15761

End Connection : Screwed End / Socket Weld End



### STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
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	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
14	HANDWHEEL RETAINING NUT	CARBON STEEL									

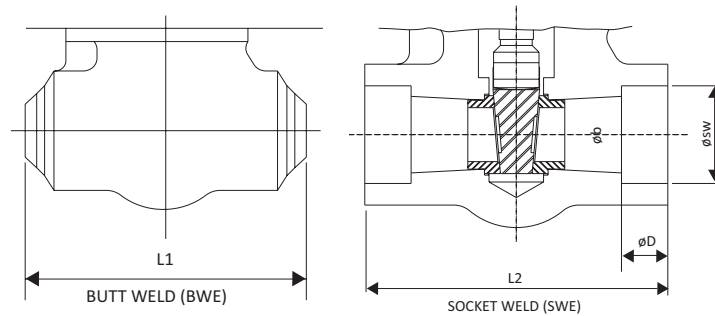
Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE 800 CLASS (FULL BORE)



### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination.

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 800 (Full BORE)										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx Weight (KGS)
							BS 3799	ASME B16.11		
15	½	12.7	88	88	145	90	+0.3 21.8 -0.0	22.2 21.8	14	2.1
20	¾	18	100	100	170	96	+0.3 27.4 -0.0	27.6 27.2	14	3.15
25	1	24	114	114	192	108	+0.3 34.1 -0.0	34.3 33.9	14	4.92
32	1 ¼	31	104	104	220	125	+0.3 42.9 -0.0	43.1 42.7	14	5.8
40	1 ½	37	116	116	245	125	+0.3 49 -0.0	49.2 48.8	17	9.450

NOTE: The above data is subject to change without notice due to our continuing product improvement program. (@WEIGHT GIVEN IN KGS)

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
800	207 Bar	3003 Psi g	152 Bar	2205 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)

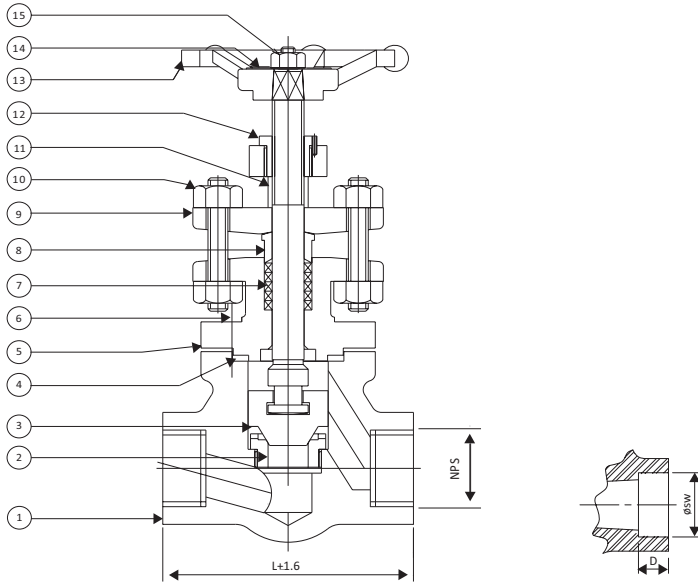


## FORGED STEEL GATE VALVE 1500 CLASS

### Standards & Specifications:

Design Standard : ASME B16.34, BSEN ISO 15761

End Connection : Screwed End / Socket Weld End



STANDARD MATERIAL COMBINATION											
S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
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	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

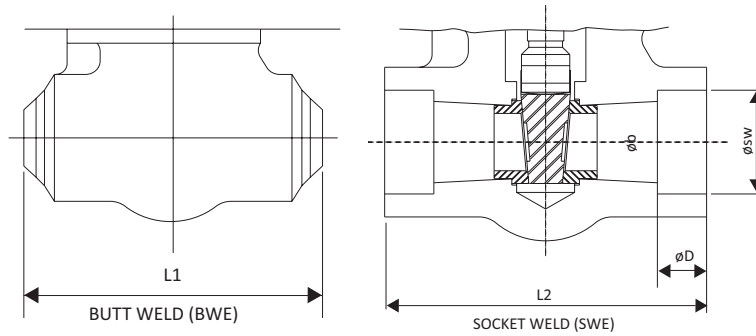
Body Material Combination with ASTM A304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE 1500 CLASS



### TECHNICAL & DIMENSIONAL DATA

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 1500										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx Weight (KGS)
							BS 3799	ASME B16.11		
15	½	11.5	100	100	170	95	+0.3 21.8-0.0	22.2 21.8	11	3.165
20	¾	15	114	114	192	108	+0.3 24.8-0.0	27.6 27.2	14	5.055
25	1	19.5	104	104	245	125	+0.3 34.1-0.0	34.3 33.9	14	6.28
40	1 ½	27	116	116	245	125	+0.3 49-0.0	49.2 48.8	14	11.78

NOTE: The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
1500	384 Bar	5568 Psi g	282 Bar	4075 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-  
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



## FORGED STEEL GATE VALVE 2500 CLASS

Forged Steel Gate Valve - ASME B16.34



### DIMENSIONAL DATA CLASS - 2500

DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx Weight (KGS)
							BS 3799	ASME B16.11		
15	½	12	130	130	300	200	+0.3 21.8 -0.0	22.2 21.8	11	8.77
20	¾	15	130	130	300	200	+0.3 27.4 -0.0	27.6 27.2	14	9.79
25	1	19	130	130	300	200	+0.3 34.1 -0.0	34.3 33.9	14	10.47

NOTE: The above data is subject to change without notice due to our continuing product improvement program. (©WEIGHT GIVEN IN KGS)

### TEST PRESSURES

CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
2500	639 Bar	9372 Psi g	469 Bar	6785 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request:-

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)

