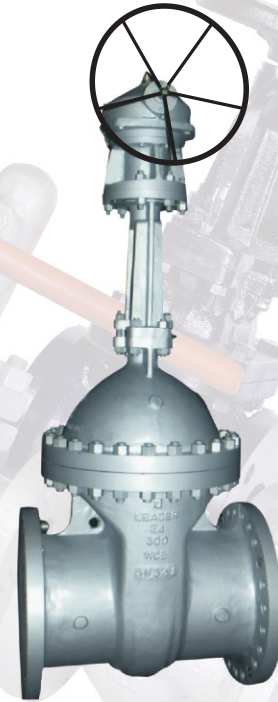
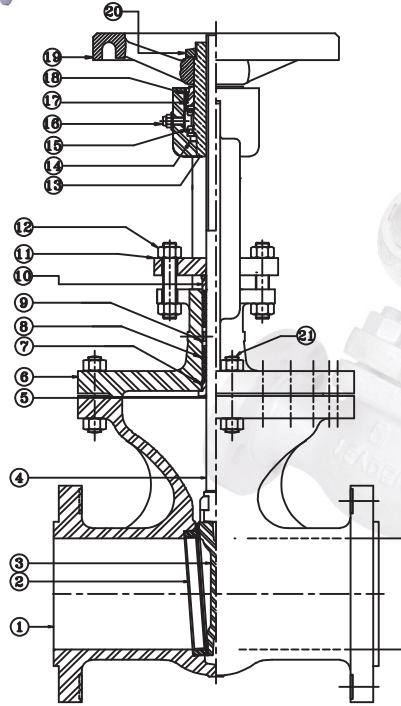




**CAST STEEL  
GATE VALVES-  
API 600/BS 1414,  
Bolted Bonnet  
OS & Yoke Type  
Rising Stem,  
Flanged/Butt  
Weld Ends**



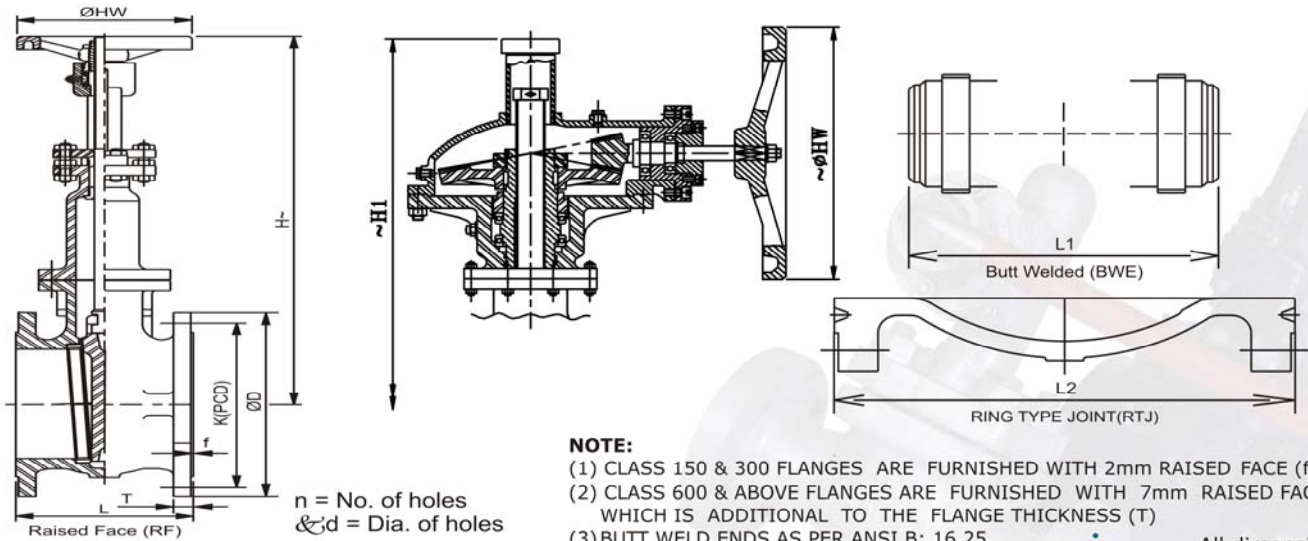
**STANDARD MATERIAL COMBINATION**

P. NO.	PART DESCRIPTION	Carbon steel to ASTM		Alloy steel to ASTM					Stainless steel to ASTM			
		Type WCB	Type LCB	Type WC1	Type WC6	Type WC9	Type C5	Type C12	Type CF8	Type CF8M	Type CF3	Type CF3M
1	BODY	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	As per Trim Material Combination										
3	Wedge	As per Trim Material Combination										
4	Stem	As per Trim Material Combination										
5	GASKET	Stainless steel + Graphoil										
6	BONNET	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	Back Seat Bush	As per Trim Material Combination										
8	PACKING	To Suit Service conditions										
9	Lantern Ring	As per Trim Material Combination										
10	GLAND	A182 F6a	A182 F304	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F-304	F-316	F-304L	F-316L
11	GLAND FLANGE	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351CF8M	A351 CF3	A351CF3M
12	NUTS	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
13	YOKE SLEEVE	AI. Bronze BS1982 CC331G or Ni - resist to A439 D2										
14	OIL SEAL	EPDM/BUNA 'N' RUBBER										
15	THRUST BEARING	STEEL										
16	LUBRICATOR	STEEL										
17	YOKE SLEEVE RETAINING NUT	STEEL							IS:2062			
18	LOCKING SCREW	STEEL							IS:2062			
19	HANDWHEEL	D1 A536 80-55-D6 OR MI 1S 2108 BM 290/ASTMA338										
20	HANDWHEEL RETAINING NUT	STEEL							IS:2062			
21	STUDS	A193 B7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8

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



# CAST STEEL GATE VALVES-API 600/BS 1414



**NOTE:**

- (1) CLASS 150 & 300 FLANGES ARE FURNISHED WITH 2mm RAISED FACE (f)
- (2) CLASS 600 & ABOVE FLANGES ARE FURNISHED WITH 7mm RAISED FACE (f) WHICH IS ADDITIONAL TO THE FLANGE THICKNESS (T)
- (3) BUTT WELD ENDS AS PER ANSI B: 16.25.

All dimensions in mm

**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/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI316	F316/AISI316	F316/AISI316
12	316+STELLITE	316	F316/AISI316	F316/AISI316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

**DIMENSIONAL DATA CLASS-150**

DN	40	50	65	80	100	125	150	200	250	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	900*	1000*	1050*
NPS	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	36"	40"	42"
L	165	178	190	203	229	254	267	292	330	356	381	407	432	457	508	508	559	609.6	609.6	711	874	914
L1	165	216	241	282	305	381	403	419	457	502	572	610	660	711	762	813	--	--	--	--	--	--
L2	178	191	230	216	242	267	280	305	343	369	394	420	445	470	521	521	--	--	--	--	--	--
øD	125	150	180	190	230	255	280	245	405	485	535	595	635	700	748.3	815	786	836.6	984.3	1057	1067	1090
T	12.7	14.3	15.9	17.5	22.3	22.3	23.9	27	28.6	30.2	33.4	35	38.1	41.3	45	46.1	41.1	45.5	74.7	75.4	-	-
K(PCD)	98.4	120.6	139.7	152.4	190.5	215.9	241.3	298.4	362	431.8	476.2	539.8	577.8	635	692.1	749.3	744.5	795.3	914.4	1009.7	-	-
n	04	04	04	04	08	08	08	08	12	12	12	16	16	20	20	20	36	40	28	44	-	-
ød	15.9	19	19	19	19	22.2	22.2	22.2	25.4	25.4	28.6	28.6	31.8	31.8	34.9	34.9	22.4	22.3	35.1	25.4	-	-
~H (Close)	326	335	365	370	450	555	596	746	915	-	-	-	-	-	-	-	-	-	-	-	-	-
~H (Open)	366	385	430	450	550	680	746	946	1165	-	-	-	-	-	-	-	-	-	-	-	-	-
~H1	-	-	-	-	-	-	-	-	-	1110	1750	1865	1935	2166	2380	2762	2867	3056	3230	3469	3708	4120
ØHW	210	210	210	235	255	310	310	400	460	500	450	450	450	450	450	450	450	450	450	700	-	-
Aprox.wt. kg	16.6	20	28	32.5	51.2	74	85	136	189	289	467	620	738	970	1045	1290	1513	1735	1910	2528	-	-

**TEST PRESSURES**

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

\*For Gear Operated Valves

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

Flanges upto 24" as per ASME B16.5 & above 24" as per ASME B16.47 series A or B.

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

SS (ASTM A 351 Gr.CF3MN / CF8C / CN7M), DSS (ASTM A 995 Gr.4A / 5A / 3A / 6A)