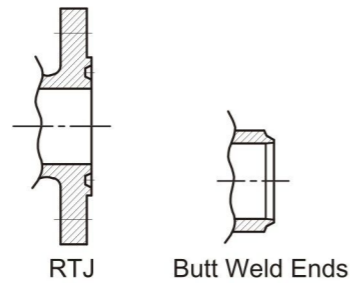
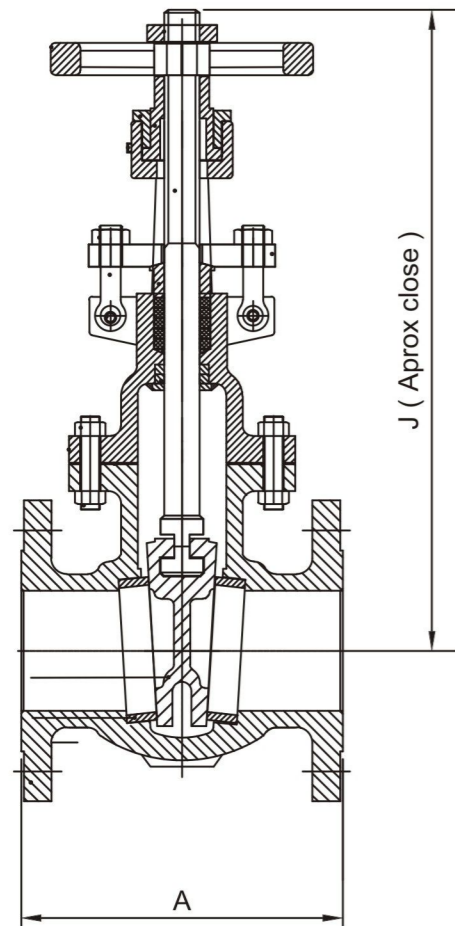


GATE VALVE



STANDARDS	
Design & Mfg. Std.	API 600 / BS 1414
Face to Face	ASME B16.10
End Connection	Flange Ends - ASME B 16.5 Butt Weld Ends - ASME B 16.25
Inspection & Testing Standard	API 598 / BS EN 12266-Part-I



DESIGN FEATURES

Material :
WCB / WC6 / LCB / CF8 / CF8M / CF3 / CF3M etc.

Pressure Rating :
150# / 300# / 600#

Operation :
Hand Wheel / Gear / Actuated (Pneumatic/Electric)

Trims Material :
Available on requirement like
Trim = 1, 2, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

Tolerance :
Face to face :
± 2.0mm for NPS ≤ 10" & ± 3.0mm for NPS > 10"

MATERIAL OF CONSTRUCTION

PART NAME	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB /LCC	A 351 CF8/CF8M/CF3/CF3M/CF8C
Bonnet	A 216 WCB / WCC	A 352 LCB /LCC	A 351 CF8/CF8M/CF3/CF3M/CF8C
Seat Ring	A 216 WCB / WCC+13% Cr.	A 351 C F8	A 351 CF8/CF8M/CF3/CF3M/CF8C
Wedge	A 216 WCB+13% Cr. Facing	A 351 C F8	A 351 CF8/CF8M/CF3/CF3M/CF8C
Stem	A 276 TP 410	A 276 TP 304	A 276 TP 304/316/304L/316L/321
Gland Flange	A 105 / CS/A216 WCB	A 105 / CS	A1053/CS3/A351 CF8/CF8M/CF3
Back Seat	A 276 TP 410	A 276 TP 304	A351 CF8/CF8M/CF3/CF3M/CF8C
Gland	A 276 TP 410	A 276 TP 304	A276 TP 304 / 316 / 304L /316 L /321
Joint Sutd	A 193 B7	A 320 L7	A 193 B7 / B8
Joint Stud Nuts	A 194 2H	A 194 7	A 194 2H /8
Gland Stud	A 193 B7	A 320 L7	A 193 B7 / B8
Gland Stud nuts	A 194 2H	A 194 7	A 194 2H /8
Gasket	Spiral Wounded SS 316 /316L / 304L / 304 / 321 with Grafoil filler		
Stem Packing	Braided Graphite and Die Formed Graphite ring		
Yoke Sleeve	A439 Gr.D2		
Hand wheel	Below 2" = Malleable Iron & Above 2" Ductile Iron		

FACE TO FACE DIMENSIONS FOR GATE VALVES

CLASS 150								CLASS 300								CLASS 600							
Size	A (MM)	J	Weight (kg)		Size	A (MM)	J	Weight (kg)		Size	A (MM)	J	Weight (kg)										
NPS	DN	RF	RTJ	BW	MM	FE	BW	NPS	DN	RF	RTJ	BW	MM	FE	BW								
1/2"	15	108	108	108	172	5	4	1/2"	15	140	151	140	172	6.5	6	1/2"	15	165	163	165	172	9.5	8.5
3/4"	20	117	117	117	187	5.8	5	3/4"	20	152	165	152	187	7.5	7	3/4"	20	190	190	190	186	10.5	9
1"	25	127	140	127	258	7.9	7	1"	25	165	178	165	258	11.5	10	1"	25	216	216	216	262	16.5	15
1.1/2"	40	165	178	165	278	12.8	10.5	1.1/2"	40	190	203	190	278	18	17	1.1/2"	40	241	241	241	283	21	19
2"	50	178	191	216	375	22	19	2"	50	216	232	216	375	28	20.5	2"	50	292	295	292	428	40	35
2.1/2"	65	190	203	241	393	31	24	2.1/2"	65	241	257	241	393	52	41	2.1/2"	65	330	333	330	492	63	58
3"	80	203	216	282	473	35	27	3"	80	282	298	282	473	57	44	3"	80	356	359	356	534	83	77
4"	100	229	242	305	570	55	44	4"	100	305	321	305	570	86	63	4"	100	432	435	432	680	145	135
5"	125	254	267	381	664	82	70	5"	125	381	397	381	664	127	101	5"	125	508	511	508	805	220	200
6"	150	267	280	403	765	97	92	6"	150	403	419	403	765	170	139	6"	150	559	562	559	918	305	280
8"	200	292	305	419	995	149	130	8"	200	419	435	419	995	402	375	8"	200	660	663	660	1122	510	475
10"	250	330	343	457	1178	255	229	10"	250	457	473	457	1178	528	470	10"	250	787	790	787	1252	805	760
12"	300	356	369	502	1375	360	345	12"	300	502	518	502	1375	670	570								
14"	350	381	394	572	1525	520	490	14"	350	562	578	562	1525	827	710								
16"	400	406	419	610	1735	630	600	16"	400	638	654	638	1735	1200	1160								
18"	450	432	445	660	1906	803	775	18"	450	714	730	714	1906	1410	1240								
20"	500	457	470	711	2095	1040	1000	20"	500	791	807	791	2095	1900	1650								
22"	550	482.6	495.6	762	2340	1080	1050	22"	550	868	884	868	2340	2678	2500								
24"	600	508	521	813	2525	1310	1170	24"	600	945	961	945	2525										

Note : Weights and dimensions are for reference only.