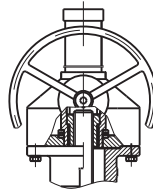
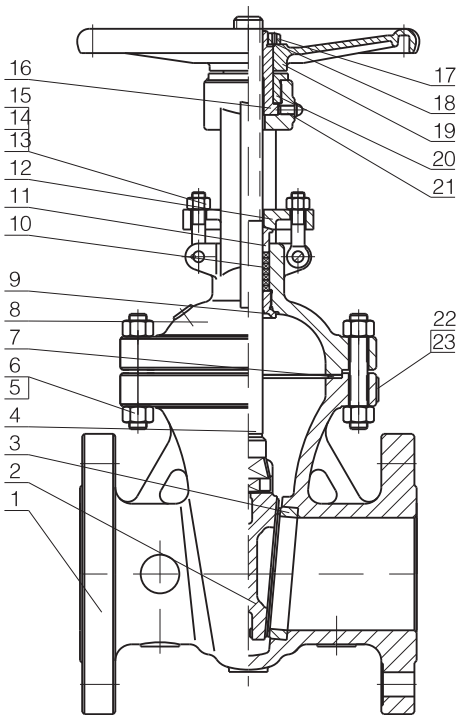
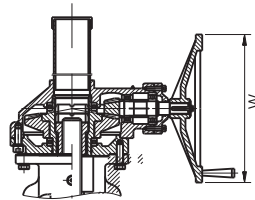


Cast Steel Gate Valve Series



Available With Gear Box



Applicable Standards:

Design and Manufacture : API 600 ASME B16.34
 Face to Face and End to End: ASME B16.10
 Flanged End: ASME B16.5/ASME B16.47
 Butt Welded End: ASME B16.25
 Test & Inspection: API 598

Design Description:

Full bore design
 Outside Screw and Yoke(OS & Y)
 Bolted Bonnet(BB)
 Flexible wedge, fully guided
 Solid or split wedge gate
 Renewable seat rings upon request
 Forged T-head stem
 Rising stem and non-rising handwheel
 Flanged or butt welding ends
 Available with bevel gear operator

Main Materials:

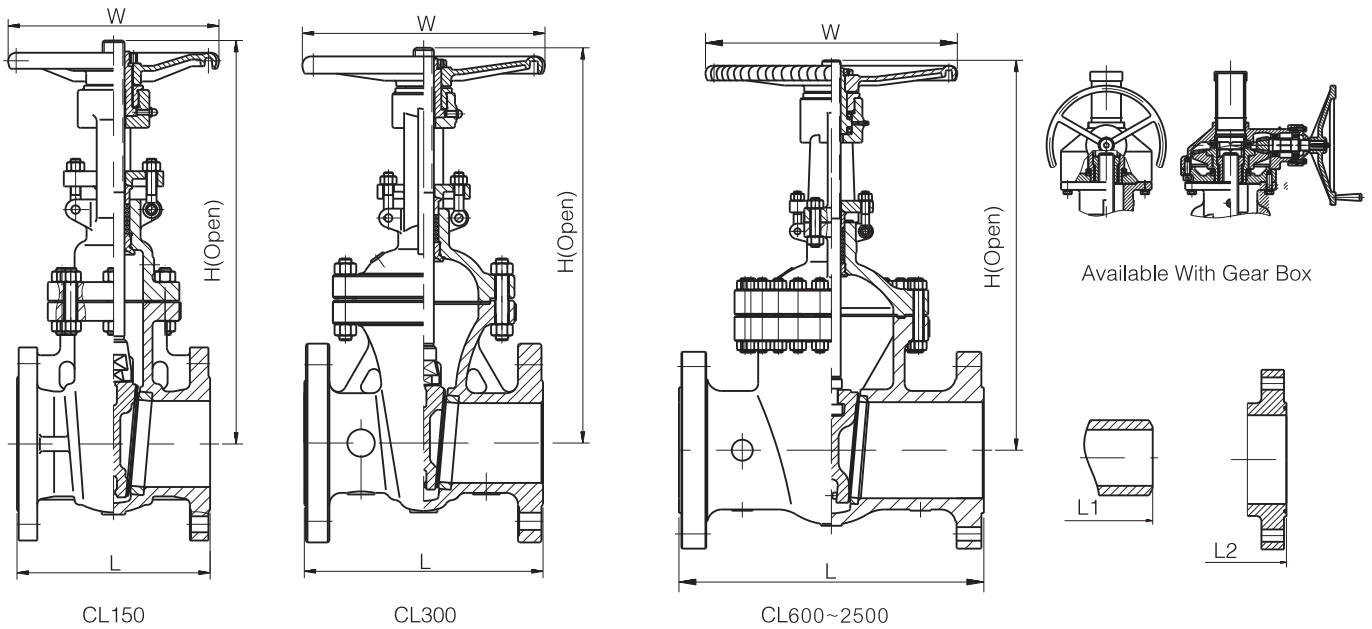
WCB, LCB, WC6, WC9, CF8, CF8M,
 CF3, CF3M, A995 4A, A995 5A, A995 6A,
 Alloy 20, Monel, Inconel

Main Parts Material Sheet

NO.	PART	ASTM Material				
		WCB	LCB ⁽¹⁾	WC6	CF8(M)	CF3(M)
1	BODY	A216 WCB	A352 LCB	A217 WC6	A351 CF8(M)	A351 CF3(M)
2	GATE	A216 WCB+13Cr	A352 LCB+13Cr	A217 WC6+STL	A351 CF8(M)	A351 CF3(M)
3	SEAT	A216 WCB+13Cr	A352 LCB+13Cr	A217 WC6+STL	A351 CF8(M)	A351 CF3(M)
4	STEM	A182 F6	A182 F6	A182 F6	A182 F304 / F316	A182 F304L(F316L)
5	BONNET BOLT	A193 B7	A320 L7	A193 B16	A193 B8(M)	A193 B8(M)
6	BONNET NUT	A194 2H	A194 7	A194 4	A194 8(M)	A194 8(M)
7	GASKET	SS304+GRAPHITE			PTFE / SS304+GRAPHITE	PTFE / SS316+GRAPHITE
8	BONNET	A216 WCB	A352 LCB	A217 WC6	A351 CF8(M)	A351 CF3(M)
9	BACKSEAL	A182 F6	A182 F6	A182 F6	-	-
10	PACKING	FLEXIBLE GRAPHITE			PTFE / FLEXIBLE GRAPHITE	
11	GLAND	A182 F6	A182 F6	A182 F6	A182 F304	A182 F304L(F316L)
12	GLAND FLANGE	A216 WCB	A352 LCB	A217 WC6	A351 CF8(M)	A351 CF3(M)
13	GLAND EYEBOLT		A193 B7		A193 B8	A193 B8
14	NUT		A194 2H		A194 8	A194 8
15	PIN		AISI 1025		AISI 1025	
16	STEM NUT		BRONZE		BRONZE	
17	HANDWHEEL NUT		AISI 1035		AISI 1035	
18	SCREW		ASTM A36		ASTM A36	
19	HANDWHEEL		A536 60-40-18		A536 60-40-18	
20	BEARING GLAND		AISI 1035		AISI 1035	
21	GREASE NIPPLE		BRASS		BRASS	
22	NAMEPLATE		SS304		SS304	

Different Trim are available upon request.

Cast Steel Gate Valve Series



Dimensions CLASS 150

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36	40	42	48
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L (RF)	in	7.00	7.50	8.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	22.00	24.00	24.00	28.00	28.00	30	31	34
	mm	178	191	203	229	267	292	330	356	381	406	432	457	508	559	610	610	711	711	762	787	864
L1 (BW)	in	8.5	9.50	11.12	12.00	15.88	16.50	18.00	19.75	22.50	24.00	26.00	28.00	32.00	34.00	36.00	36.00	38.00	40.00	42	43	46
	mm	216	241	283	305	403	419	457	502	572	610	660	711	813	864	914	914	965	1016	1067	1092	1168
L2 (RTJ)	in	7.5	8	8.5	9.5	11	12	13.5	14.5	15.5	16.5	17.5	18.5	20.5	-	24.5	24.5	26.5	28.5	-	-	-
	mm	191	203	216	242	279	305	343	368	394	419	445	470	521	-	622	622	673	724	-	-	-
H (Open)	in	15.25	17.00	18.88	23.00	30.50	37.62	45.50	53.12	59.38	67.00	74.50	83.50	98.25	110.50	116.50	124.00	129.00	146.50	183.86	193.75	217.5
	mm	368	434	480	584	765	956	1149	1350	1508	1703	1892	2119	2500	2806	2960	3150	3280	3720	4670	4920	5525
W	in	8	8	10	12	12	14	16	18	20	22	24	26	29	29	32	32	38	40	30	30	30
	mm	200	200	250	300	300	350	400	450	500	550	600	640	720	720	800	800	950	1000	760	760	760

Dimensions CLASS 300

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36	40	42	48
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L/L1 (RF/BW)	in	8.50	9.50	11.12	12.00	15.88	16.50	18.00	19.75	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	68.00	76	78	88
	mm	216	241	283	305	403	419	457	502	762	838	914	991	1143	1245	1346	1397	1524	1727	1930	1981	2235
L2 (RTJ)	in	9.12	10.12	11.75	12.62	16.50	17.12	18.62	20.38	30.62	33.62	36.62	39.75	45.88	50.00	54.00	56.00	61.12	69.12	-	-	-
	mm	232	257	298	321	419	435	473	518	778	854	930	1010	1165	1270	1372	1422	1553	1756	-	-	-
H (OPEN)	in	16.12	17.88	20.00	24.00	31.75	39.38	47.62	55.75	62.25	67.88	77.12	86.38	102.00	117.00	122.00	126.00	130.00	152.00	188.63	198.13	217.38
	mm	410	453	509	612	805	1000	1210	1415	1580	1725	1960	2195	2590	2975	3100	3200	3300	3860	4791	5032	5522
W	in	8	8	10	12	14	16	18	20	22	22	24	26	29	29	32	32	38	40	24	24	24
	mm	200	200	250	300	350	400	450	500	550	550	600	640	720	720	800	800	950	1000	610	610	610