L & T GATE VALVES

A gate valve is used to completely shut off fluid flow or, in the fully open position, provide full flow in a pipeline. Thus, it is used either in the fully closed or fully open positions. A gate valve consists of a valve body, seat and disc, a spindle, gland, and a wheel for operating the valve.

Product Application:

- Process industries: Oil, chemical, petrochemical, refining, pulp and paper, pharmaceutical, mining, food processing and water treatment.
- Power Industries: nuclear, fossil fuel (coal and gas), and renewable and district heating.
- Upstream and midstream industries: offshore production platforms, LNG Liquefaction and regasification terminals, tankers carriers and tank farms, and ship-building.

Standard materials of construction:

Description	Material
Body	ASTM A216 Gr. WCB
Body Seat Ring	ASTM A105 + Hard-Faced with Stellite #6 or equivalent
Wedge	ASTM A216 Gr. WCB + 13% Cr. Steel
Stem	ASTM A182 Gr. F6a
Gasket - Cl. 150	ASTM A308
Gasket - Cl. 300 & 600	Spirally-wound SS 304 with graphite filler
Bonnet	ASTM A216 Gr. WCB
Stud	ASTM A193 Gr. B7
Stud Nut	ASTM A194 Gr. 2H
Back-seat Bush	13% Cr. Steel
Packing	Graphite with braided end rings
Gland	Steel
Gland Flange	ASTM A105 / ASTM A216 Gr. WCB
Eye Bolt	CR. - Mo Steel
Eye Bolt Nut	ASTM A194 Gr. 2H
Groove Pin	Steel
Yoke Sleeve (Stem Nut)	ASTM A439 Type D2
Grease Fitting	Steel
Retainer Nut	Steel / Ductile Iron / Malleable Iron
Handwheel	Steel / Ductile Iron / Malleable Iron
Handwheel Nut	Steel / Ductile Iron / Malleable Iron
Nameplate	SS 304

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Dimensions (in mm, unless specified) & Weights (in KG):

Valve Size	Class 150						Class 300						Class 600					
	A		B	C	Approx. Wt.		A		B	C	Approx. Wt.		A		B	C	Approx. Wt.	
	Fl	B/W			Fl	B/W	Fl	B/W			Fl	B/W	Fl	B/W			Fl	B/W
50 (2")	178	216	376	203	21	19	216	216	399	203	25	23	292	292	399	203	42	36
65 (2 1/2")	191	241	480	229	32	27	241	241	505	299	48	34	-	-	-	-	-	-
80 (3")	203	283	480	229	35	27	283	283	505	229	53	41	356	356	541	254	67	63
100 (4")	229	305	584	254	53	43	305	305	604	254	78	55	432	432	635	305	119	112
150 (6")	267	403	790	305	87	77	403	403	850	356	158	111	559	559	874	457	252	225
200 (8")	292	419	996	356	139	118	419	419	1039	406	234	186	660	660	1044	457	418	365
250 (10")	330	457	1205	406	210	198	457	457	1265	457	355	284	787	787	1285	508	652	554
300 (12")	356	502	1410	457	302	271	502	502	1460	508	495	400	838	838	1476	610	1100	984
350 (14")	381	572	1539	508	410	365	762	762	1590	508	750	620	889	889	1565	610	1600	1465
400 (16")	406	610	1752	508	520	490	838	838	1791	610	958	850	991	991	2062	762	1955	1760
450 (18")	432	660	1956	610	690	665	914	914	2126	686	1310	1075	1092	1092	2062	762	2075	1840
500 (20")	457	711	2159	610	900	865	991	991	2261	686	1640	1525	1194	1194	3048	762	2150	1960
600 (24")	508	813	2565	686	1410	1375	1143	1143	2654	762	2460	2075	1397	1397	6150	762	3620	3180
700 (28")	610	991	3160	762	2060	1750	-	-	-	-	-	-	-	-	-	-	-	-
750 (30")	610	914	3429	762	3100	2850	1397	1397	4267	1016	4750	-	-	-	-	-	-	-
850 (34")	711	-	3650	762	3350	2950	-	-	-	-	-	-	-	-	-	-	-	-
900 (36")	711	-	3734	762	3980	3000	1727	-	3975	-	-	-	-	-	-	-	-	-
1050 (42")	813	1118	4200	-	*	4500	-	-	-	-	-	-	2438	-	4420	-	-	-
1200 (48")	864	1118	4990	-	*	6000	-	-	-	-	-	-	-	-	-	-	-	-
1500 (60")	1143	-	6175	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-

Fl = Flanged. B/W = Butt Weld. * = Depends on flange dimensions.

Please contact our Fluid Control Division for sizes not listed above.