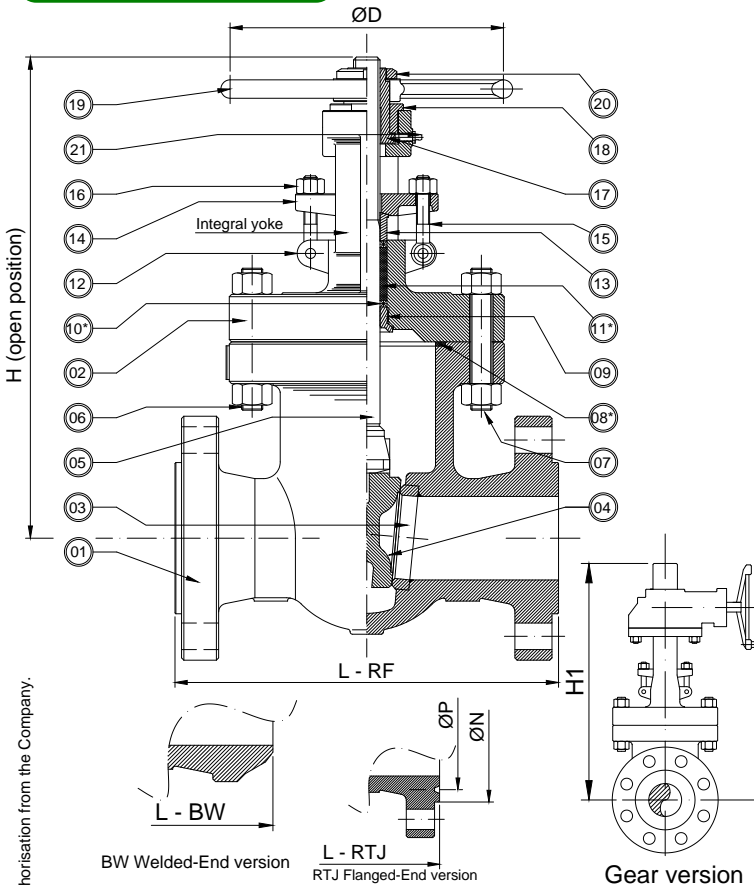


CAST STEEL GATE VALVES

600 Lbs

DT-CGV-600



BASIC DESIGN STANDARDS

Basic Design API 600 / ANSI B16.34

Face to Face Dimension ANSI B16.10

Flanges Up to 24" ANSI B16.5
From 26" MSS SP44
ANSI B16.47 API 605

Butt-weld ends ANSI B16.25

Testing API 598

STANDARD DESCRIPTION

- Outside Screw & Yoke
- Bolted Bonnet with integral yoke up to Ø 6"
- Bolted Bonnet with bolted yoke from Ø 8"
- Welded Seat Ring
- Flexible Wedge from Ø 2" and greater
- Available with Gear Operator
- Special features according to Customer's requirement

TEST PRESSURE TO API 598 Psi/bar

Shell (water)	Seat (water)	Seat (air)
2250 / 155	1650 / 114	80 / 5.5

* Recommended Spare Parts

		TRIM NUMBER AS PER API 600							
No	Part Name	1	2	8	5	9	10	12	16
03	Seat Ring			STL Gr.6	STL Gr.6			STL Gr.6	STL Gr.6
04	Wedge			410	STL Gr.6				STL Gr.6
05	Stem								
09	Backseat	410	304		410	MONEL	316	316	
	Lantern Ring			410	410				316
13	Gland								316

BILL OF MATERIALS STANDARD ACCORDING TO ASTM									
No	Part Name	Carbon Steel		Alloy Steel		Stainless Steel			
		WCB	LCB	WC6	C5	CF8	CF8M	CF3	CF3M
01	Body	A216 WCB	A352LCB	A217WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
02	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
06	Bonnet Bolts	A193-B7	A320-L7	A193-B16		A193-B8			
07	Bonnet Nuts	A194-2H	A194-4	A194-4		A194-8			
08	Body / Bonnet Gasket	304 SS + Graphite inhibited							
10-11	Stem Packing	Braided and Flexible Graphite							
12	Eyebolts Pin	A276-410							
14	Gland Flange	A216 WCB	A352 LCB	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
15	Gland Eyebolts	A193-B7	A320-L7	A193-B16		A193-B8			
16	Gland Nuts	A194-2H	A194-4	A194-4		A194-8			
17	Stem Nut	ASTM A439-D2							
18	Retaining Nut	Carbon Steel				410			
19	Hand Wheel					Ductile Iron or Steel			
20	Hand Wheel Nut	Carbon Steel				410			
21	Grease Nipple	Stainless Steel							

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600 Lbs

SIZE		DIMENSION in mm						WEIGHT	
Inches	mm	L (RF)	L (BW)	H Open	H1	Ø D	Ø Da	Kg (HANDWHEEL)	Kg (GEAR OPERATOR)
2"	50	292	292	425	-	250	-	41	-
2-1/2"	65	330	330	500	-	250	-	61	-
3"	80	356	356	570	-	250	-	88	-
4"	100	432	432	680	-	300	-	131	-
6"	150	559	559	895	940	500	500	280	306
8"	200	660	660	1085	1150	600	600	450	476
10"	250	787	787	1280	1310	600	600	760	809
12"	300	838	838	1500	1550	600	600	980	1029
14"	350	889	889	1660	1670	720	600	1240	1289
16"	400	991	991	1885	1940	720	800	1540	1638
18"	450	1092	1092	2040	2090	800	800	2250	2348
20"	500	1194	1194	2230	2280	1000	800	2700	2990
22"	550	1295	1295	2415	2470	1000	800	3200	3490
24"	600	1397	1397	2640	2690	1000	800	3800	4090

For Face-to-Face dimension L (RTJ), add +3 mm from size 2" up to 18"
add +6 mm for size 20", add +10 mm for sizes 22" and 24"

CAST STEEL GATE VALVES CLASS 600 #