



GATE VALVE CLASS 600Lb

MAIN PARTS AND MATERIALS

NO.	Part Name	Qty.	Material	NO.	Part Name	Qty.	Material
1	Body	1	WCB	14	Gland Nut	1	A29 1035
2	Seat	2	A105+HF	15	Lock Nut	1	A29 1035
3	Wedge	1	WCB+F6	16	Hand wheel	1	60-40-18
4	Stem	1	A182 F6	17	Oil Filler	1	A570 GR.A
5	Gasket	1	304 Wound Graphite	18	Eye Bolt	2	A193 B7
6	Bonnet	1	WCB	19	Eye Nut	2	A194 2H
7	Back seat	1	A276 410	20	Pin	2	A29 1035
8	Packing	1	Stainless Steel Wire With Flexible Graphite	21	Spilt Pin	2	A570 GR.A
9	Packing	4-5		22	Stud		A193 B7
10	Distance Ring	1	A276 410	23	Nut		A194 2H
11	Gland	1	A276 410	24	Rivet	2	304
12	Gland Flange	1	WCB	25	Name Plate	1	304
13	Gland Nut	1	D-2				

MAIN CONNECTION DIMENSIONS AND WEIGHTS

NPS		2	2-1/2	3	4	6	8	10	12	14	16	18	20
d	in												
	mm	51	64	76	102	152	200	248	298	327	375	419	464
L-L1 (RF-BW)	in	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194
L2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	21.12	33.12	35.12	39.12	43.12	47.25
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200
d1	in	3.62	3.94	5.00	6.18	8.50	10.63	12.76	15.00	16.26	18.50	20.98	22.99
	mm	92	100	127	157	216	270	324	381	413	470	533	584
d2	in	5.00	5.87	6.62	8.50	11.50	13.75	17.00	19.25	20.75	23.25	25.75	28.50
	mm	127	149	168	216	292	349	432	489	527	603	654	724
D	in	6.50	7.50	8.25	10.75	14.00	16.50	20.00	22.00	23.75	27.00	29.25	32.00
	mm	165	190	210	273	356	419	508	559	603	686	743	813
b	in	1.00	1.14	1.26	1.50	1.89	2.20	2.52	2.64	2.76	3.03	3.27	3.50
	mm	26	29	32	38	48	56	64	67	70	77	83	89
n-φd	in	8-0.75	5-0.87	8-0.87	8-1.00	12-1.13	12-1.25	16-1.38	20-1.38	20-1.50	20-1.62	20-1.75	24-1.75
	mm	8-19	8-22	8-22	8-25	12-29	12-32	16-35	20-35	20-38	20-41	20-44	24-44
H (open)	in	16.81	18.62	21.18	25.87	34.33	43.35	50.35	58.50	64.69	70.79	82.72	88.94
	mm	427	473	538	657	872	1102	1279	1486	1643	1798	2101	2259
W	in	9.84	9.84	11.81	13.78	19.69	22.05	28.35	24.02	24.02	24.02	24.02	29.92
	mm	250	250	300	350	500	560	720	610	610	610	610	760
WT (Kg)	BF	41	58	88	131	253	413	623	784	1288	1820	2150	2540
	BW	35	50	68	104	208	328	496	637	1120	1448	1828	2201

Manual gear operator is recommended