



GATE VALVE CLASS 1500Lb

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 d	in	2	2-1/2	3	4	6	8	10	12	14	16
	mm	47	57	70	92	136	178	222	263	289	330
L-L1 (RF-BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50
	mm	368	419	470	546	705	832	991	1130	1257	1384
L2 (RTJ)	in	14.62	16.62	18.62	21.62	30.00	33.13	39.38	45.12	50.25	55.38
	mm	371	422	473	549	711	841	1000	1146	1276	1407
d1	in	3.62	4.13	5.00	6.18	8.50	10.63	12.76	15.00	16.26	18.50
	mm	92	105	127	157	216	270	324	381	413	470
d2	in	6.50	7.50	8.00	9.50	12.50	15.50	19.00	22.50	25.00	27.75
	mm	165.1	190.5	203.2	241.3	317.5	393.7	482.6	571.5	635.0	704.8
D	in	8.50	9.62	10.50	12.25	15.20	19.00	23.00	26.50	29.50	32.50
	mm	216	244	267	311	284	483	585	675	750	825
b	in	1.50	1.63	1.89	2.13	3.25	3.63	4.25	4.88	5.25	5.75
	mm	38.5	41.5	48.0	54.0	83.0	92.9	108.0	124.0	133.5	146.5
n-φd	in	8-1.00	8-1.13	8-1.25	8-1.38	12-1.50	12-1.75	12-2.00	16-2.13	16-2.38	16-2.63
	mm	8-26	8-29	8-32	8-35	12-39	12-45	12-51	16-54	16-61	16-67
H (open)	in	22.60	27.56	31.73	34.92	42.48	53.94	59.84	65.00	76.57	88.58
	mm	574	700	806	887	1079	1370	1520	1651	1945	2250
W	in	13.78	15.75	17.72	22.05	12.01	24.02	29.92	29.92	29.92	29.92
	mm	350	400	450	560	305	610	760	760	760	760
WT (Kg)	BF	117	175	240	337	680	1228	3260	4100	4100	5960
	BW	93	144	185	285	584	978	2850	3320	3320	4890

Manual gear operator is recommended