



GATE VALVE CLASS 300Lb

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	2	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	5	6	8	10	12	14	16	18	20
	mm	51	64	76	102	127	152	203	254	305	337	387	432	483
L-L1 (RF-BW)	in	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75	30.00	33.0	36.00	39.00
	mm	216	241	283	305	381	403	419	457	502	762	838	914	991
L2 (RTJ)	in	3.12	10.12	11.74	12.62	15.62	16.50	17.12	18.62	20.37	30.62	33.62	36.62	39.75
	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010
d1	in	3.62	4.13	5.00	3.18	7.32	8.50	10.63	12.76	15.00	16.26	18.50	20.98	22.99
	mm	92	105	127	157	168	216	270	324	381	413	470	533	584
d2	in	5.00	5.87	6.63	7.87	9.25	10.63	13.00	15.25	17.75	20.25	22.50	24.75	27.00
	mm	127	149	168.5	200	235	270	330	387.5	451	514.5	571.5	628.5	686
D	in	6.50	7.50	8.25	10.00	11.00	12.50	15.00	17.50	20.50	23.00	25.50	28.00	30.50
	mm	165	190	210	254	279	318	381	445	521	584	648	711	775
b	in	0.88	1.00	1.14	1.26	1.38	1.46	1.65	1.89	2.01	2.13	2.28	2.40	2.52
	mm	23	26	29	32	35	37	42	48	51	54	58	61	64
n-φd	in	8-0.75	8-0.87	8-0.87	8-0.87	8-0.87	12-0.87	12-1.00	16-1.13	16-1.25	20-1.25	20-1.38	24-1.38	24-1.38
	mm	8-19	8-22	8-22	8-22	8-22	12-22	12-25	16-29	16-32	20-32	20-35	24-35	24-35
H (open)	in	16.42	18.11	20.71	25.59	27.32	32.44	38.86	46.93	56.34	61.38	69.21	76.46	84.45
	mm	417	460	526	650	694	824	987	1192	1431	1559	1758	1942	2145
W	in	7.87	9.84	9.84	9.84	11.81	13.78	17.72	19.69	22.05	18.11	18.11	24.02	24.02
	mm	200	250	250	250	300	350	450	500	560	460	460	610	610
WT (Kg)	BF	30	39	55	83	92	137	240	333	536	699	1010	1205	1720
	BW	26	34	47	68	77	118	195	271	432	595	848	1025	1460

Manual gear operator is recommended