



Shanghai Tianfa Trading Co., Ltd.

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GATE VALVE CLASS 150Lb

MAIN PARTS AND MATERIALS

NO.	Part Name	Qty.	Material	NO.	Part Name	Qty.	Material
1	Body	1	WCB	13	Gland Nut	1	1035
2	Seat	2	A105+HF	14	Hand wheel	1	60-40-18
3	Wedge	1	WCB+F6	15	Lock Nut	1	A29 1035
4	Stem	1	A182 F6	16	Oil Filler	1	A570 G.R.A
5	Gasket	1	08FFlexible Graphite	17	Eye Bolt	2	A193 B7
6	Bonnet	1	WCB	18	Eye Nut	2	A194 2H
7	Back seat	1	A276 410	19	Pin	2	A29 1035
8	Packing	1	Stainless Steel Wire With Flexible Graphite	20	Spilt Pin	2	A570 G.R.A
9	Packing	4-5		21	Stud		A193 B7
10	Gland	1	A276 410	22	Nut		A194 2H
11	Gland flange	1	WCB	23	Rivet	2	304
12	Stem Nut	1	D-2	24	Name Plate	1	304

MAIN CONNECTION DIMENSIONS AND WEIGHTS

NPS	d	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
		mm	51	64	76	102	127	152	203	254	305	337	387	438	489	591
L (RF)	in	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	
	mm	178	190	203	229	254	267	292	33	356	381	406	432	457	508	
L1 (BW)	in	8.50	9.50	11.14	12.0	15.00	15.88	16.50	18.00	19.76	22.50	24.00	26.00	28.00	32.00	
	mm	216	241	283	305	381	403	419	457	502	472	610	660	711	813	
L2 (RTJ)	in	7.50	8.00	8.50	9.50	10.50	11.00	12.00	13.50	14.50	15.50	16.50	17.50	18.50	20.50	
	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	
d1	in	3.62	4.13	5.00	6.18	7.32	8.50	10.63	12.76	15.00	16.26	18.50	20398	22.90	27.24	
	mm	92	105	127	157	186	216	270	324	381	413	470	533	584	692	
d2	in	4.75	5.50	6.00	7.50	8.50	9.50	11.85	14.25	17.00	18.75	21.25	22.75	25.00	29.50	
	mm	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432	476	540	578	635	749.5	
D	in	6.00	7.00	7.50	9.00	10.00	11.00	13.50	16.00	19.00	21.00	23.50	25.00	27.50	29.50	
	mm	152	178	190	229	254	279	343	406	483	533	597	635	699	813	
b	in	0.75	0.88	0.94	0.94	0.94	1.00	1.13	1.19	1.25	1.38	1.44	1.56	1.69	1.88	
	mm	16	17.5	19	24	25	26	29	31	32	35	37	40	43	48	
n-φd	in	4-0.75	4-0.75	4-0.75	8-0.75	8-0.87	8-0.87	8-0.87	12-1.00	12-1.00	12-1.13	16-1.13	16-1.25	20-1.25	20-1.38	
	mm	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29	16-23	20-32	20-35	
H (open)	in	15.20	17.3	19.02	23.11	26.50	30.20	37.60	45.12	52.28	59.80	67.76	74.80	83.31	97.64	
	mm	386	435	483	587	673	767	955	1146	1328	1519	1721	1900	2116	2480	
W	in	7.87	7.87	9.84	9.84	11.81	11.81	13.7817.72	19.68	18.11	18.11	18.11	18.11	24.02	24.02	
	mm	200	200	250	250	300	300	350	450	500	460	460	460	610	610	
WT (Kg)	BF	20	30	23	53	71	85	136	220	323	387	553	660	810	1250	
	BW	17	26	29	46	66	77	116	202	394	350	506	575	720	1130	

Manual gear operator is recommended