



## TWO PIECE TRUNNION BALL VALVE

### MAIN PARTS AND MATERIALS

NO.	Part Name	Qty.	Material	NO.	Part Name	Qty.	Material
1	Adapter	1	ASTM A216 WCB	11	Plug	1	ASTM A576-1025
2	Stud		ASTM A193 B7	12	Drain	1	Component
3	Nut		ASTM A194 2H	13	Nipple	1	Component
4	Grease Fitting	2	Component	14	Ball	1	ASTM A105 ENP
5	Stem	1	ASTM A105 ENP	15	Seat	2	ASTM A105 ENP+PTFE
6	Key	1	ASTM A576-1045	16	Pressure	2	ASTM A105 ENP
7	Flange Gland	1	ASTM A105 ENP	17	Spring		ASTM A564 17-4PH
8	Thrust Collar	1	PTFE	18	Seal Ring	2	Graf oil
9	Body	1	ASTM A216 WCB	19	O Ring	2	Vinton
10	Tunnel Shaft	1	ASTM A105 ENP				

### MAIN CONNECTION DIMENSIONS AND WEIGHTS CLASS150Lb

NPS	in	2	3	4	6	8	10	12
	d	mm	51	76	102	152	203	254
L-L1 (RF)	in	7.00	8.00	9.00	15.50	18.00	21.00	24.00
	mm	178	203	229	394	457	533	610
L2 (RTJ)	in	7.50	8.50	9.50	16.00	18.50	21.50	24.50
	mm	190.5	216	241	406	470	546	622
d1	in	3.63	5.00	6.19	8.50	10.63	12.75	15.00
	mm	92	127	157	216	270	324	381
d2	in	4.75	6.00	7.50	9.50	11.75	14.25	17.00
	mm	120.5	152.5	190.5	241.5	298.5	362	432
D	in	6.00	7.50	9.00	11.00	13.50	16.00	19.00
	mm	152	190	229	279	343	406	483
b	in	0.75	0.88	0.94	1.00	1.13	1.19	1.25
	mm	19	22.50	24	26	29	31	32
n-φd	in	4-0.75	4-0.75	8-0.75	8-0.87	8-0.87	12-1.00	12-1.00
	mm	4-19	4-19	8-19	8-22	8-22	12-25	12-25
H	in	6.50	7.68	9.06	13.00	15.55	19.49	22.83
	mm	165	195	230	330	395	495	580
W	in	9.06	15.75	27.56	43.31	47.24	51.08	23.62
	mm	230	400	460	1000	600	600	600
Weight	Kg	20	35	60	100	200	300	520

### E. MAIN CONNECTION DIMENSIONS AND WEIGHTS CLASS300Lb

NPS	in	2	3	4	6	8	10	12
	d	mm	51	76	102	152	203	254
L-L1 (RF)	in	8.50	11.12	12.00	15.88	19.75	22.38	25.50
	mm	216	283	305	403	502	568	648
L2 (RTJ)	in	9.12	11.74	12.62	16.50	20.37	23.00	26.12
	mm	232	298	321	419	517	584	664
d1	in	3.63	5.00	6.19	8.50	10.63	12.75	15.00
	mm	92	127	157	216	270	324	381
d2	in	5.00	6.63	7.88	10.63	13.00	15.25	17.75
	mm	127	168.5	200	270	330	387.5	451
D	in	6.50	8.25	10.00	12.50	15.00	17.50	20.20
	mm	165	210	254	318	381	445	521
b	in	0.88	1.125	1.25	1.44	1.63	1.88	2.00
	mm	23	29	32	37	42	48	51
n-φd	in	8-0.75	8-0.87	8-0.87	12-0.87	12-1.00	16-1.14	16-1.25
	mm	8-19	8-22	8-22	12-22	12-25	16-29	16-32
H	in	6.50	7.68	9.06	13.00	15.55	19.49	22.83
	mm	165	195	230	330	395	495	580
W	in	9.06	15.75	18.11	39.37	23.62	23.62	23.62
	mm	230	700	460	1000	600	600	600
Weight	kg	22	42	73	160	280	350	600