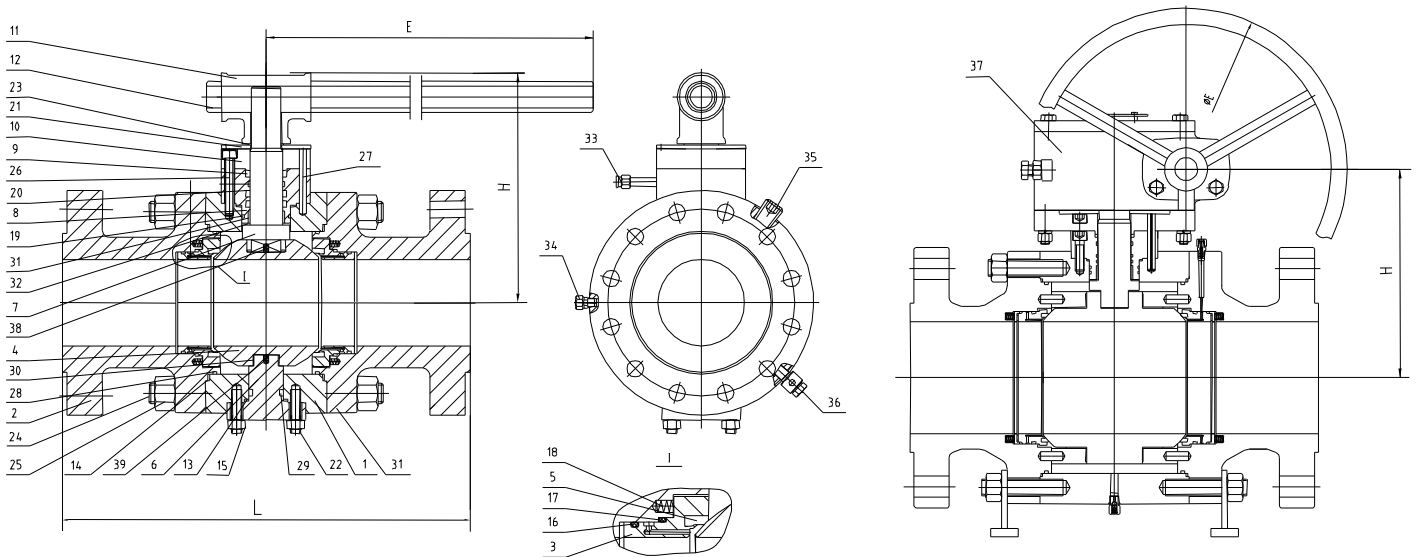


Forged Steel Trunnion Mounted Ball valve



Construction Features

Trunnion mounted type, Three pieces, Sealant injection in seat and stem area,(DBB)Double block and bleed, Floating seat, Fire safety, Anti-static device , Stem Anti-blow-out device , Soft seal.

Standards :

Basic Design: API 6D, API 608, BS 5351.

Flange End: ASME B16.5,MSS SP-44.

Face to Face: ASME B16.10, API 6D.

Butt-welding Ends: ASME B16.25.

Inspection & Testing: API 598, API 6D,ISO 5208.

STANDARD MATERIAL SPECIFICATIONS

NO.	Name Parts	Material		
1	Body	A105	A350 LF2	A182 F304/F316
2	Bonnet	A105	A350 LF2	A182 F304/F316
3	Seat	A105+ENP	A350 LF2+ENP	A182 F304/316
4	Ball	A105+ENP	A350 LF2+ENP	A182 F304/F316
5	Seat Insert	PTFE / RPTFE/ Nylon		
6	Trunnion	A105+ENP	A350 LF2+ENP	A182 F304/F316
7	Stem	A105+ENP	A350 LF2+ENP	A182 F304/F316
8	Up Cover	A105+ENP	A350 LF2+ENP	A182 F304/F316
9	Stem Packing	Graphite		
10	Flange	A105	A350 LF2	A182 F304/F316
11	Tie-in	CS		
12	Lever	CS		
13	Trunnion Gasket	PTFE or Graphite		
14	Bonnet Gasket	PTFE or Graphite		
15	Trunnion Nut	A193 B7	A320 L7	A193 B8/B8M
16	O-ring	Viton or NBR		
17	O-ring	Viton or NBR		
18	Seat Spring	Inconel X-750		
19	O-ring	Viton or NBR		
20	O-ring	Viton or NBR		

NO.	Name Parts	Material		
21	Stopper	CS+Zn/SS		
22	Trunnion Bolt	A193 B7	A320 L7	A193 B8/B8M
23	Retainer	CS		
24	Bonnet Bolt	A193 B7	A320 L7	A193 B8/B8M
25	Bonnet Nut	A194 2H	A194 4	A194 8/8M
26	Cover Bolt	A193 B7	A320 L7	A193 B8/B8M
27	Pin	CS	CS	SS
28	O-ring	Viton or NBR		
29	O-ring	Viton or NBR		
30	Bearing	SS304+PTFE	SS304+PTFE	SS304/316+PTFE
31	Bearing	SS304+PTFE	SS304+PTFE	SS304/316+PTFE
32	Thrust washer	PTFE		
33	Injection Fitting	CS	CS	SS304/316
34	Injection Fitting	CS	CS	SS304/316
35	Drain Plug	CS	CS	SS304/316
36	Vent Plug	CS	CS	SS304/316
37	Worm Gear	Subassembly		
38	Anti-static spring	SS		

DIMENSIONS AND WEIGHTS

Class	NPS	2	3	4	6	8	10	12	14	16	18	20	22	24	28	30	32	34	36	
150	L	178	203	229	394	457	533	610	686	762	864	914	991	1067	1245	1295	1372	1473	1524	
	H	200	300	315	335	405	427	465	506	622	666	730	833	895	935	1010	1060	1077	1115	
	W	265	285	285	*300	*300	*300	*500	*600	*600	*600	*600	*600	*600	*800	*800	*800	*800	*800	*800
	Weight(KG)	30	60	92	190	345	495	705	859	1020	1440	1918	2352	2803	4045	4820	5490	6704	7615	
300	L	216	283	305	403	502	568	648	762	838	914	991	1092	1143	1346	1397	1524	1626	1727	
	H	206	315	330	345	415	427	465	519	638	683	748	854	917	958	1035	1087	1104	1143	
	W	265	400	750	*300	*300	*400	*500	*600	*600	*600	*600	*600	*600	*800	*800	*800	*800	*800	*800
	Weight(KG)	31	69	11	211	376	540	763	900	1300	1715	2090	2220	2890	4575	5590	6240	7370	8435	
600	L	292	356	432	559	660	787	838	889	991	1092	1194	1295	1397	1549	1651	1778	1930	2083	
	H	206	315	330	345	415	427	465	519	638	683	748	854	917	958	1035	1087	1104	1143	
	W	400	750	1000	*300	*300	*500	*600	*600	*600	*600	*600	*800	*800	*800	*800	*800	*800	*800	*800
	Weight(KG)	33	63.5	117	285	452	736	1000	1329	1730	2285	2814	3370	4920	6060	6690	7825	8460	10650	
900	L	368	381	457	610	737	838	965	1029	1130	1219	1321	1422	1549	1753	1880	2032	2159	2286	
	H	217	327	343	358	431	443	484	540	660	700	770	880	945	987	1066	1120	1137	1177	
	W	460	1000	1500	*300	*400	*500	*600	*600	*600	*600	*600	*800	*800	*800	*800	*800	*800	*800	*800
	Weight(KG)	52	87	160	385	560	820	1125	1610	2010	2810	3460	4410	5497	10202	11442	12102	17462	20154	
1500	L	368	470	546	705	832	991	1130	1257	1384	1537	1664	1816	2043						
	H	221	297	345	365	423	560	608	662	796	849	964	1025	1065						
	W	750	1500	*300	*400	*500	*600	*600	*600	*600	*600	*800	*800	*800						
	Weight(KG)	60	115	194	580	752	1195	2170	2250	2760	3646	4497	5731	7151						

Note: * Worm Gear Operation