

CARBON STEEL OR STAINLESS STEEL 3-PC BALL VALVE TRUNNION BALL DESIGN

DESIGN DESCRIPTION:

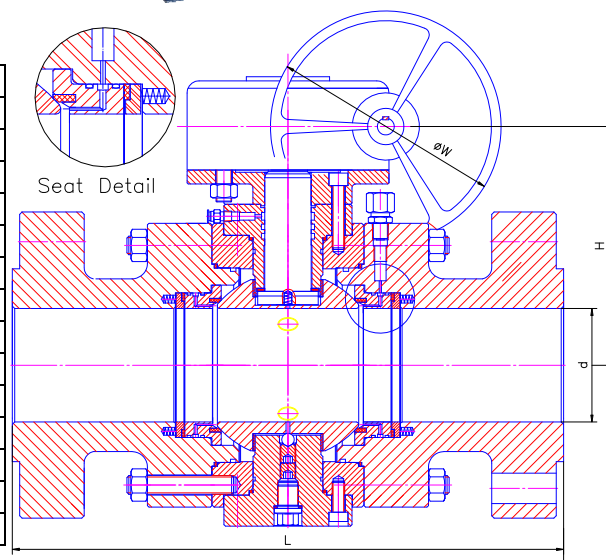
- Design: API6D;
- Manufacture: API6D;
- Press-Temp.: ANSI B16.34;
- Flange: ANSI B16.5;
- Face To Face: ANSI B16.10
- Body & Cap Contaction: ANSI B16.5
- Test: API598,API6D;
- 3-PC Body, Class150/300/600/900/1500;
- Trunnion Ball, Gear Operator Provided 4" And Above
- Anti-Static Device & Anti-Blowout Stem Design
- Fire-Safe Seat Design, PTFE & Metal Seat;
- Full Bore Or Standard Port;
- Material and Working Temp.:
 - ◆ PTFE&R-PTFE: 0 °C-200 °C(32 °F-392 °F)
 - ◆ PPL: 300 °C(572°F) Maximum
 - ◆ PEEK: 260 °C(500°F) Maximum



PARTS AND MATERIAL:

PARTS NAME	MATERIALS
CAP	ASTM A105/LF2/F304/F316/F304L/F316L
GASKET	GRAPHITE+304/GRAPHITE+316
BODY	ASTM A105/LF2/F304/F316/F304L/F316L
SEAT	R-PTFE/PPL/PEEK
SEAT RING	A105+ENP/LF2+ENP/F304/F316/F304L/F316L
BALL	ASTM A105+ENP/F304/F316/F304L/F316L
BLOCK & BLEED	ASTM A182 F6/F304/F316/F304L/F316L
STEM	ASTM A182 F6/F304/F316/F304L/F316L
STEM PACKING	PTFE
Anti-Static Device	AISI 6150 17-7PH (Inconel) Ni-Cr ALLOY
HANDLE	STEEL+PLASTIC
GEAR BOX	DUCTILE IRON
Bolt	A193 B7/A193 B7M/A320 L7/A320 B8/A320 B8M
NUT	ASTM A194 2H /A194 2HM/A194 4/A194 8

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:MM):

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	850	900	1000	1050	1200	1400	1500
SIZE	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"	56"	60"
CLASS 150																								
d	51	64	75	102	127	152	203	254	305	337	387	438	489	591	686	737	781	832	876	978	1022	1168	1363	1460
L(RF)	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1295	1372	1473	1524	1702	1860	2235	2250	2400
L(BW)	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1397	1524	1626	1727	1950	2015	2220	2500	2640
H	157	176	189	208	260	265	289	367	415	454	505	536	575	723	794	833	877	912	947	1017	1067	1200	1355	1480
W	230	360	360	450	300	300	300	300	300	300	400	400	600	600	800	800	800	800	800	1000	1000	1000	1000	1000
CLASS 300																								
d	51	64	75	102	127	152	203	254	305	337	387	438	489	591	686	737	781	832	876	978	1022	1168	1363	1460
L(RF)	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1397	1524	1626	1727	1905	1930	2235	2300	2400
L(BW)	216	241	283	305	381	403	521	559	635	762	838	914	991	1143	1346	1397	1524	1626	1727	1905	1930	2235	2300	2400
H	157	176	189	208	260	265	289	367	415	454	505	536	576	723	794	833	877	912	947	1017	1067	1200	1355	1480
W	230	360	360	450	300	300	300	300	300	300	400	400	600	600	800	800	800	800	800	1000	1000	1000	1000	1000
CLASS 600																								
d	51	64	75	102	127	152	203	254	305	337	387	438	489	591	686	737	781	832	876	978	1022	1168	1363	1460
L(RF)	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1549	1651	1778	1930	2083	2337	2387	2667	2667	2950
L(BW)	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1549	1651	1778	1930	2083	2337	2387	2667	2667	2950
L(RTJ)	295	333	359	435	511	562	664	791	841	892	994	1095	1200	1407	1592	1664	1794	1946	2099					
H	177	185	208	250	285	290	358	424	456	475	537	610	690	789	843	869	899	931	956	1053	1118	1257	1390	1520
W	360	450	450	800	300	300	300	400	400	800	800	800	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
CLASS 900																								
d	51	64	76	102	127	150	203	254	305	324	375	425	473	572	667	714	762	810	857	959				
L(RF)	368	419	381	457	559	610	737	838	965	1029	1130	1219	1321	1549	1727	1803	1905	2032	2182	2410				
L(BW)	368	419	381	457	559	610	737	838	965	1029	1130	1219	1321	1549	1727	1803	1905	2032	2182	2410				
L(RTJ)	371	422	384	460	562	613	740	841	968	1032	1133	1222	1327	1568	1749	1825	1927	2060	2213	2438				
H	177	185	208	250	290	358	424	456	475	537	610	710	840	848	946	1062	1060	1122	1142	1197				
W	400	600	600	800	300	300	400	800	800	800	800	800	1000	1000	1000	1000	1000	1000	1000	1000				

CLASS 1500																					
d	51	64	76	102	125	144	194	241	289	318	362	410	456	548	641	692					
L(RF)	368	419	470	546	673	705	832	991	1130	1257	1384	1537	1664	1943	2148	2251	2346	2450	2556		
L(BW)	368	419	470	546	673	705	832	991	1130	1257	1384	1537	1664	1943	2148	2251	2346	2450	2556		
L(RTJ)	371	422	473	549	676	711	842	1000	1146	1276	1406	1559	1686	1972	2176	2281	2380	2453	2590		
H	177	185	208	250	290	358	424	456	475	537	670	790	829	904	1040	1172	1301	1411	1542		
W	600	800	800	300	300	400	800	800	800	800	1000	1000	1000	1000	1000	1000	1000	1000	1000		
CLASS 2500																					
d	44	54	64	89	100	133	181	225	267	241	276										
L(RF)	451	508	578	673	794	914	1022	1270	1422	1540	1575	1825	1875	2257							
L(BW)	451	508	578	673	794	914	1022	1270	1422	1540	1575	1825	1875	2257							
L(RTJ)	454	514	584	683	807	927	1038	1292													
H	320	350	400	425	500	590	610	660	689	765	866	949	969	1162							
W	300	300	400	800	800	800	800	1000	1000	1000	1000	1000	1000	1000							

Remark: Our design can be suitable for all standard (BS, DIN, ANSI, JIS standard etc.)

✧ We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency.