

Forged steel ball valve

150Lb

Applicable standards:

Steel ball valves: API 6D/BS5351
Steel ball valves: ISO 14313
Fire durable: API 607
Anti static: API 6D
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B16.5
Butt welding ends: ASME B16.25
Inspection and test: API 598/API 6D

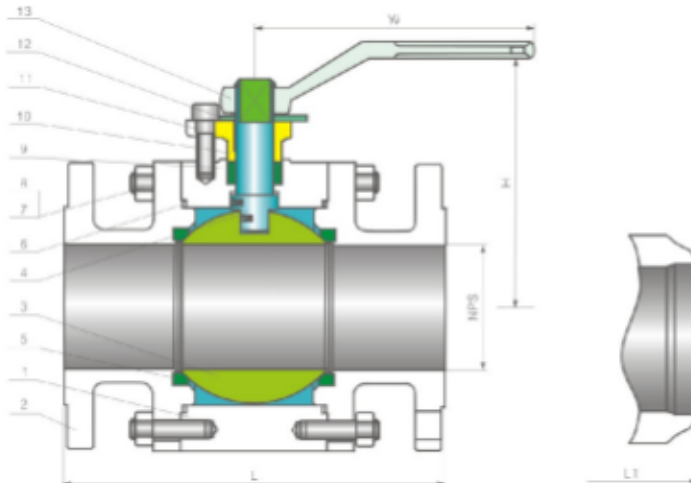
Design description:

Full port design or reduce port design
BB, Bolted bonnet, split body
Floating ball type
Blow-out proof stem
Fire durable construction
Anti static device
Stopper device
ISO 5211 Mounting pad
Flanged or butt welding ends
Available with wg operator

Materials of parts

NO	Part name	ASTM Material		
		Carbon steel	18Cr-9Ni-2Mo	Carbon steel
1	Body	A105	A182-F316	A350-LF2
2	Bonnet	A105	A182-F316	A350-LF2
3	Ball	A182-F304 ¹⁾	A182-F316	A182-F304 ¹⁾
4	Stem	A276-304	A276-316	A276-304
5	Seat ring	R.PTFE		
6	Bonnet gasket	Graphite+304 ²⁾	PTFE	Graphite+304 ²⁾
7	Bonnet stud	A193-B7	A193-B8	A320-L7
8	Bonnet stud nut	A194-2H	A194-8	A194-4
9	Packing	PTFE		
10	Gland	A105	A182-F316	A350-LF2
11	Gland bolt	A193-B7	A193-B8	A193-B7
12	Stop plate	Carbon steel	Carbon steel+Zn	Carbon steel
13	Handle	Carbon steel		

Note: 1). A 105+ENP optional ; 2). Spiral wound construction.



Dimensions data

Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
	mm	15	20	25	40	50	65	80	100	150	200	250	300
L (RF)	in	4.25	4.62	5.00	6.50	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00
	mm	108	117	127	165	178	190	203	229	394	457	533	610
L1 (BW)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00
	mm	140	152	165	190	216	241	283	305	457	521	559	635
H	in	2.12	2.12	2.50	3.38	4.00	6.00	7.00	9.25	9.88	11.00	12.62	15.38
	mm	55	55	65	85	100	150	180	235	250	280	320	390
W	in	8	8	12	12	16	16	24	24	24	24	32	32
	mm	200	200	300	300	400	400	600	600	600	600	800	800
WT (Kg)	RF	3.1	4.1	6	9.5	12.8	20	26	45	126	216	270	378
	BW	2.6	3.9	5.2	8.7	1.8	19	28	47	131	226	295	393

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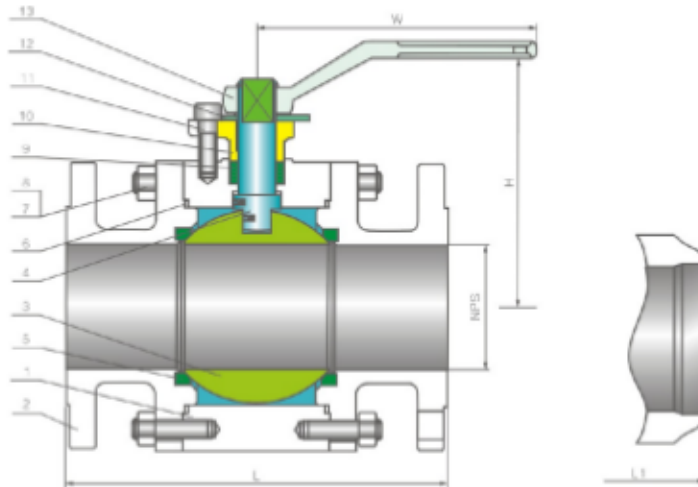
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12	Stop plate	Carbon steel	Carbon steel+Zn	Carbon steel
13	Handle	Carbon steel		

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Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
	mm	15	20	25	40	50	65	80	100	150	200	250	300
L (RF)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50
	mm	140	152	165	190	216	241	283	305	403	502	568	648
L1 (BW)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00
	mm	140	152	165	190	216	241	283	305	457	521	559	635
H	in	2.12	2.12	2.50	3.38	16.00	16.00	24.00	24.00	9.88	11.00	12.62	15.38
	mm	55	55	65	85	400	400	600	600	250	280	320	390
W	in	8	8	12	12	10	12	14	19	24	24	32	32
	mm	200	200	300	300	250	300	350	480	600	600	800	800
WT (Kg)	RF	3.5	4.6	6.7	10.5	14.5	22	29	50	141	242	302	423
	BW	2.8	3.1	4.4	5.5	8.7	13.5	17	31	108	194	234	325

Forced steel ball valve

600Lb

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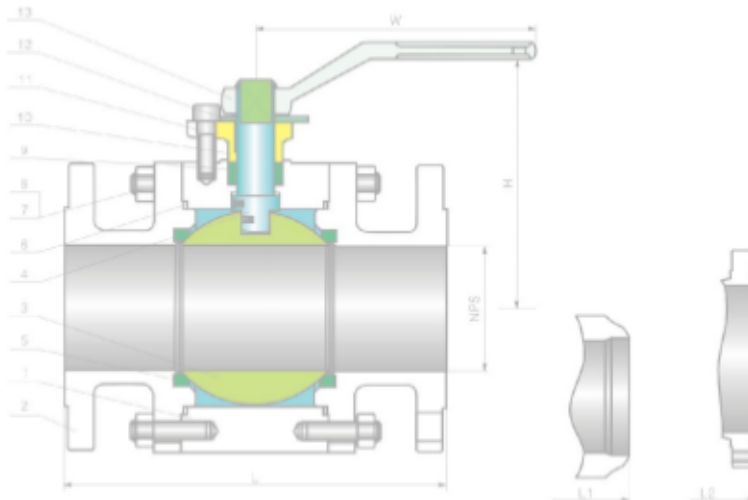
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	mm	15	20	25	40	50	65	80	100	150	200	250	300
LL1 (RF/BW)	in	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	-	-	-
	mm	165	190	216	241	292	330	356	432	559	-	-	-
L2 (RTJ)	in	-	-	-	-	11.62	13.12	14.12	17.12	22.12	-	-	-
	mm	-	-	-	-	295	333	359	435	562	-	-	-
H	in	2.25	2.25	2.62	3.50	4.12	6.25	7.50	9.75	10.38	-	-	-
	mm	58	58	68	89	105	158	190	247	262	-	-	-
W	in	8	12	12	16	16	24	24	24	32	-	-	-
	mm	200	300	300	400	400	600	600	600	800	-	-	-
WT (Kg)	RF	4.5	5.5	8	12.5	18	27	35	61	172	-	-	-
	BW	3.8	4.1	5.6	7	12	18	23	43	139	-	-	-