

Applicable standards:

Steel ball valves: API 6D/BS5351
 Steel ball valves: ISO 14313
 Fire durable: API 607
 Anti static: API 6D
 Steel valves: ASME B16.34
 Face to face: ASME B16.10
 End flanges: ASME B16.25
 Inspection and test: API 598/API 6D

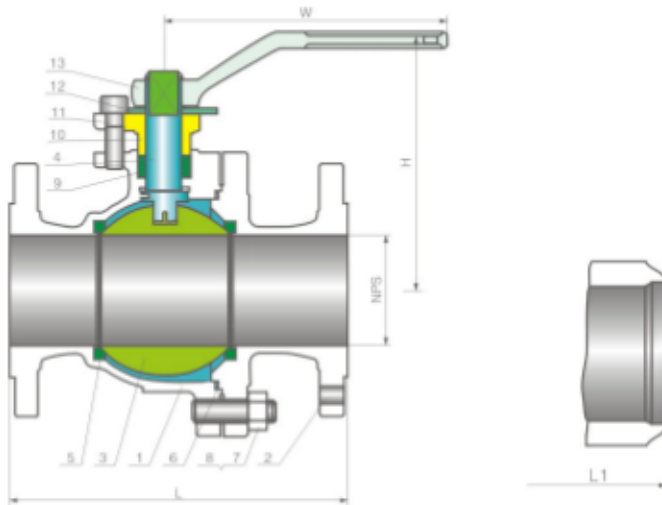
Design description:

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	A216-WCB	A351-CF8M	A352-LCB
2	Bonnet	A216-WCB	A351-CF8M	A352-LCB
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 ¹⁾	PTFE	Graphite+304 ¹⁾
7	Bonnet stud	A193-B7	A193-B8	A320-L7
8	Bonnet stud nut	A194-2H	A194-8	A194-4
9	Packing	PTFE		
10	Gland flange	A216-WCB	A351-CF8M	A352-LCB
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	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50
	mm	55	55	70	90	105	155	185	205	255	280	345	420
W	in	5	5	6	8	14	16	20	20	24	32	32	32
	mm	130	130	160	200	350	400	500	500	600	800	800	800
WT (Kg)	RF	2.3	3	4.5	7	9.5	15	19	33	93	160	200	280
	BW	1.8	2.8	3.7	6.2	8.5	14	21	35	98	170	225	295

Cast steel ball valve

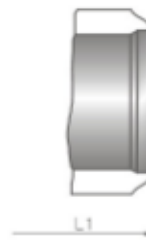
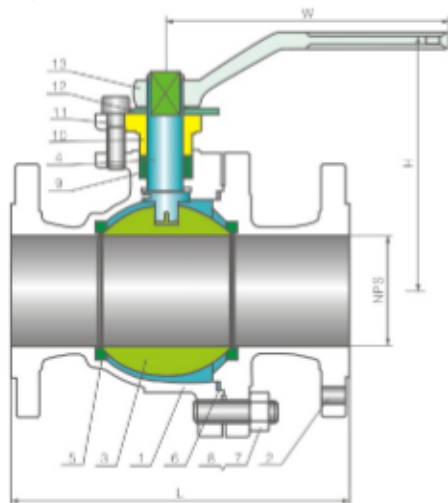
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3	Ball	A182-F304 ¹⁾	A182-F316	A182-F304 ¹⁾
4	Stem	A276-304	A276-316	A276-304
5	Seat ring	R.PTFE		
6	Bonnet gasket	Graphite+304 ¹⁾	PTFE	Graphite+304 ¹⁾
7	Bonnet stud	A193-B7	A193-B8	A320-L7
8	Bonnet stud nut	A194-2H	A194-8	A194-4
9	Packing	PTFE		
10	Gland flange	A216-WCB	A351-CF8M	A352-LCB
11	Gland bolt	A193-B7	A193-B8	A193-B7
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
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	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50
	mm	55	55	70	90	105	153	187	206	255	280	345	420
W	in	5	5	6	8	14	16	20	20	24	32	32	32
	mm	130	130	160	200	350	400	500	500	600	800	800	800
WT (Kg)	RF	2.5	3.5	5.5	10.5	14.5	23.5	30	55	118	200	250	330
	BW	1.8	2	3.2	5.5	8.7	15	18	36	85	152	182	232

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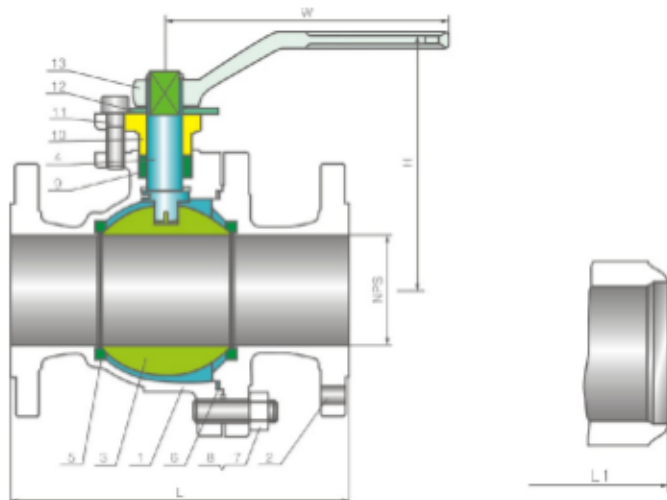
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	mm	15	20	25	40	50	65	80	100	150	200	250	300
L/L1 (RF/BW)	in	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	-	-	-
	mm	165	190	216	241	292	330	356	432	559	-	-	-
L2 (RTJ)	in	-	-	-	-	11.62	13.12	14.12	17.12	22.12	-	-	-
	mm	-	-	-	-	295	333	359	435	562	-	-	-
H	in	2.38	2.38	3.00	4.00	4.75	6.88	8.38	9.25	11.38	-	-	-
	mm	61.5	61.5	78	101	120	174	212	234	289	-	-	-
W	in	5	6	8	14	16	20	24	24	32	-	-	-
	mm	130	160	200	350	400	500	600	600	800	-	-	-
WT (Kg)	RF/RTJ	3.3	4.5	7.2	13.5	19	31	39	71	153	-	-	-
	BW	2.6	3.1	4.8	8	13	22	27	53	120	-	-	-