

BALL VALVES

Type 503SB, 1/2"-2"

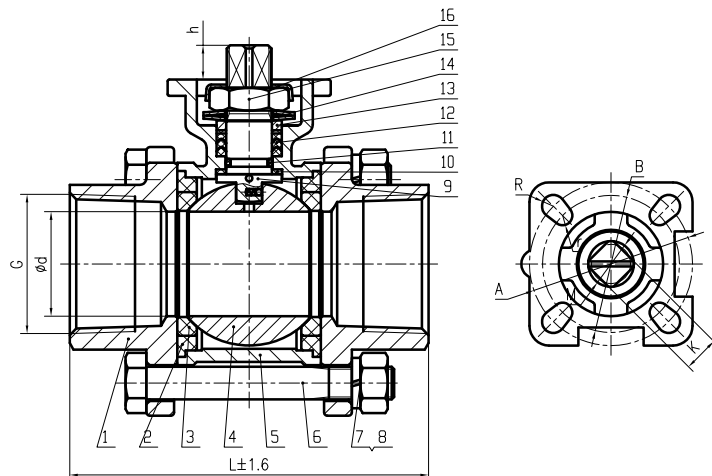


Three-piece mount direct ball valve, threaded ends without lever, ISO5211 direct mounting pad



Feature and Specifications

- Design and manufacture : ASME B16.34
 - Inspection and Test : API 598
 - Thread end : NPT, *BSPT, BSPF, DIN2999
- *Stock Item



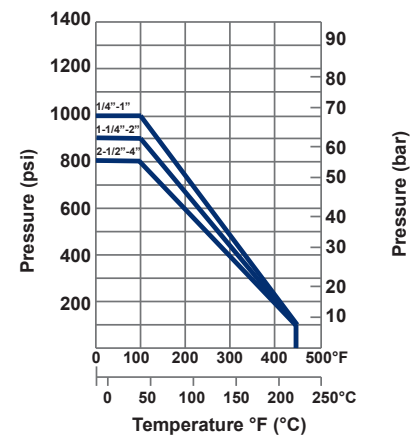
Standard Material Specifications

No.	Part Name	Materials
1	Bonnet	CF8M
2	Gasket	TFM1600
3	Seat	TFM1600
4	Ball	F316
5	Body	CF8M
6	Bolt	SS304
7	Washer	SS304
8	Nut	SS304
9	Stem	SS316
10	Stem Washer	TFM1600
11	O-Rings	Viton B
12	V-Ring Packing	TFM1600
13	Gland	SS304
14	Belleville Washer	SS304
15	Nut	SS304
16	Stop lock cap	SS304

Size	DN	Torque(N.M)			
		6 bar	10 bar	16 bar	20 bar
1/2"	15	5	5	5	5
3/4"	20	6	6	6	6
1"	25	9	9	11	11
1-1/4"	32	13	15	17	17
1-1/2"	40	21	23	28	28
2"	50	25	29	32	32

• Torque must be applied 1.3 times for common application and 1.5 times for viscous fluid.

PRESSURE TEMPERATURE RATINGS



Dimensions (mm)

Size	DN	d	L	G	A	B	R	r	K	h	M
1/2"	DN15	15	62.7	1/2"	42	36	3	3	9	10	M12
3/4"	DN20	20	68	3/4"	42	36	3	3	9	10	M12
1"	DN25	25	79.6	1"	50	42	3.5	3	11	12	M14
1-1/4"	DN32	32	90.6	1-1/4"	50	42	3.5	3	11	12	M14
1-1/2"	DN40	38	106.7	1-1/2"	70	50	4.5	3.5	14	15	M18
2"	DN50	49	126.5	2"	70	50	4.5	3.5	14	15	M18

