

BALL VALVES

Type 503F16, DIN, 1/2"-4"

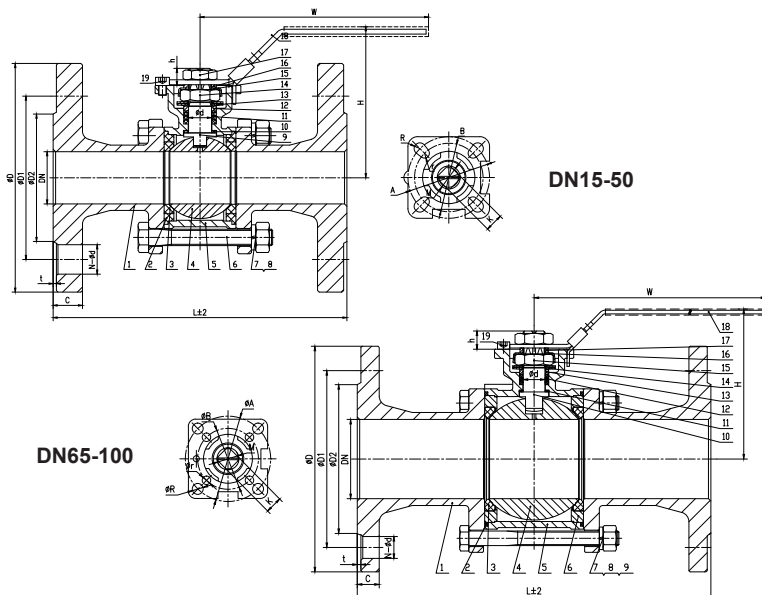


Three-piece ball valve, flange connection ISO5211 direct mounting pad



Feature and Specifications

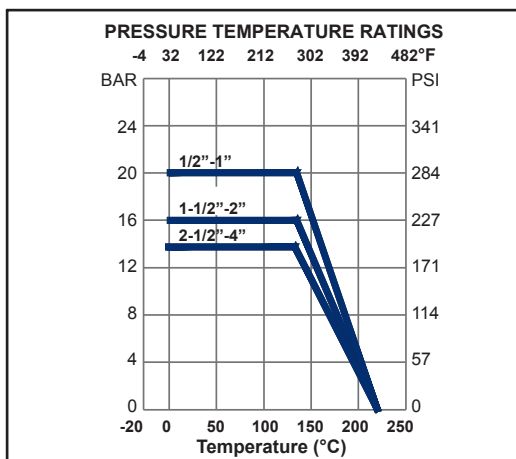
- Design and manufacture : ANSI B16.34
- Inspection and Test : API 598
- Face to face : DIN3202-F1
- Flange dimensions : DIN 2633



Standard Material Specifications		
No.	Part Name	Materials
1	Bonnet	A351 CF8M
2	Gasket	TFM1600
3	Seat	TFM1600
4	Ball	SS316
5	Body	A351 CF8M
6	Bolt	SS304
7	Washer	SS304
8	Nut	SS304
9	Stem	SS316
10	Stem Washer	TFM1600
11	V-Ring Packing	TFM1600
12	Gland	SS304
13	Belleville Washer	SS301
14	Nut	SS304
15	Stop Lock Cap	SS304
16	Washer	SS304
17	Nut	SS304
18	Handle	SS304
19	Stop Bolt	SS304

Size	DN	Torque(N.M)			
		6 bar	10 bar	16 bar	20 bar
1/2"	15	5	5	5	6
3/4"	20	6	6	6	7
1"	25	9	9	11	11
1-1/4"	32	13	15	17	19
1-1/2"	40	21	23	28	30
2"	50	25	29	32	35
2-1/2"	65	40	45	49	55
3"	80	65	72	81	88
4"	100	105	115	128	138

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



Dimensions (mm)																	
Size	DN	L	D	D1	D2	C	t	N-Ød	H	W	d	A	B	R	r	K	M
DN15	15	130	95	65	45	16	2	4-Ø14	77	120	12	42	36	3	3	9	M12
DN20	20	150	105	75	58	18	2	4-Ø14	81.5	120	12	42	36	3	3	9	M12
DN25	25	160	115	85	68	18	2	4-Ø14	90	140	14	50	42	3.5	3	11	M14
DN32	32	180	140	100	78	18	2	4-Ø18	94.5	140	14	50	42	3.5	3	11	M14
DN40	38	200	150	110	88	18	3	4-Ø18	104	190	18	70	50	4.5	3.5	14	M18
DN50	49	230	165	125	102	20	3	4-Ø18	112	190	18	70	50	4.5	3.5	14	M18
DN65	65	290	185	145	122	18	3	4-Ø18	123	230	18	70	50	9	7	14	M18
DN80	80	310	200	160	138	20	3	8-Ø18	145	260	22	102	70	11	9	17	M22
DN100	100	350	220	180	158	20	3	8-Ø18	170	300	22	102	70	11	9	17	M22