

Cast Steel Ball Valves

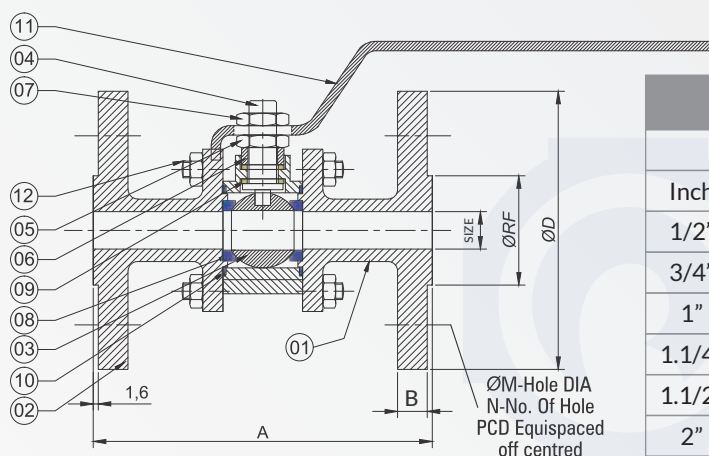
Flange End

(THREE PIECE DESIGN)

Technical Data

Design & Manufacturing Std: BS 5351 / API 6 D
 Testing & inspection Std: API 598 / BS 5146
 Face To Face: As per ANSI B 16.11
 End Connections: Flange as per ANSI B 16.5

« Drawing



CLASS 150#

Size		A	B	ØRF	ØD	ØM	N	PCD
Inch	M.M.							
1/2"	15	108	10.0	35	89	16	4	60.4
3/4"	20	118	10.5	43	98	16	4	69.8
1"	25	127	11.0	51	108	16	4	79.2
1.1/4"	32	140	12.7	64	117	16	4	88.9
1.1/2"	40	165	14.2	73	127	16	4	98.5
2"	50	178	15.7	92	152	19	4	120.6
2.1/2"	65	191	17.5	105	178	19	4	139.7
3"	80	203	19.0	127	190	19	4	152.4
4"	100	229	24.0	157	229	19	8	190.5
5"	125	254	24.0	186	254	22	8	215.9
6"	150	267	25.5	216	277	22	8	241.3
8"	200	292	29	270	343	22	8	298.4
10"	250	330	30.5	324	406.5	22.5	12	362

PRIMARY SERVICE RATING & TEST PRESSURE

Class	Hydro Test Pressure		Max. Temp.
	Body	Seat	
150	425 PSI	300 PSI	180°C
300	1100 PSI	800 PSI	180°C

Air Test - Seat 80 PSI ± PSI

S. N.	Parts Name	Material	Qty
01	Body	C.S. (ASTM A 216 Gr. WCB)	1
02	Body Connector	C.S. (ASTM A 216 Gr. WCB)	2
03	Ball	S.S. 202/304/316	1
04	Stem	S.S. 202/304/316	1
05	Gland Nut	M.S/S.S. 202/304/316	1
06	Gland Bush	M.S/S.S. 202/304/316	1
07	Lock Nut	M.S/S.S. 202/304/316	1
08	Seat Ring	PTFE/GFT	2
09	Stem Seal	PTFE/GFT	2
10	Body Sealant Ring	PTFE/GFT	2
11	Lever	M.S.	1
12	Stud & Nuts	M.S.	-

CLASS 300#

Size		A	B	ØC	ØD	ØM	N	PCD
Inch	M.M.							
1/2"	15	140.0	14.2	35	95.0	16	4	66.5
3/4"	20	152.0	15.7	43	117.0	19	4	82.5
1"	25	165.0	17.5	51	124.0	19	4	88.9
1.1/4"	32	178.0	19.0	64	133.0	19	4	98.5
1.1/2"	40	190.5	20.5	73	155.0	22	4	114.3
2"	50	216.0	22.0	92	165.0	19	8	127.0
2.1/2"	65	241.0	25.0	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168.0
4"	100	305.0	32.0	157	254.0	22	8	200.0

Note: (1) All Dimension are in mm (2) Tolerance ± 3 mm (3) Also available in Gear Operated & Actuator Operated Design (4) Fire safe and Antistatic design available on request

(5) 10" valve will have gear operation

(6) 12" valve also available on request

Application

