



'Fluid control' the Complete solution from one source !

Universal Engineering

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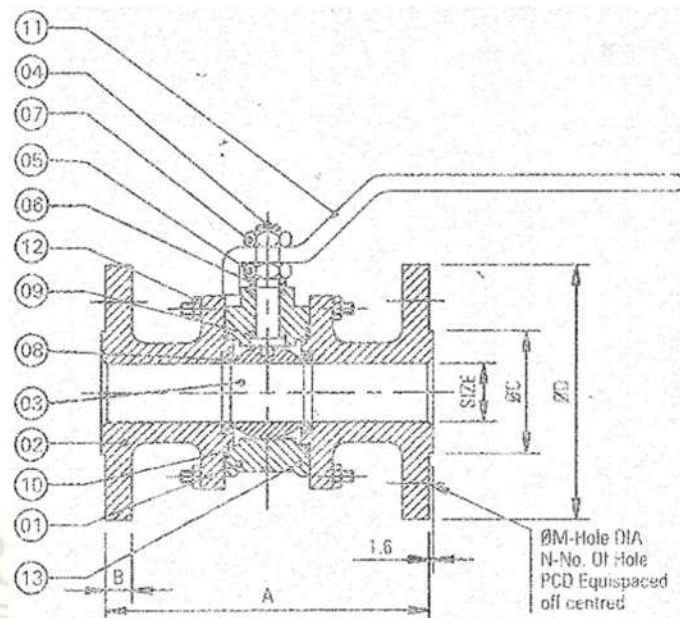
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BALL VALVE THREE PIECE FLANGE END:

Technical Data

Design & Manufacturing Std : BS 5351/API 6 D
Testing & Inspection Std : API 598/ BS 5146
Face to Face : As per ANSI B 16.10
End Connections: Screwed : Flanged as per
ANSI B 16.5



Size		CLASS 150#						
Inch	M. M.	A	B	ØC	ØD	ØM	N	PCD
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	8	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

Size		CLASS 300#						
Inch	M. M.	A	B	ØC	ØD	ØM	N	PCD
1/2"	15	140.0	14.2	35	95.0	16	4	66.5
3/4"	20	152.0	15.7	43	117.0	16	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

Sr. No.	Parts Name	Material	Qty.
01	Body	M.S./C.S./C.I./S.S. 202/304/316	1
02	Body Connector	M.S./C.S./C.I./S.S. 202/304/316	1
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 / CARBON / BRONZE	2
09	Stem Seal	PTFE / GFT / CARBON / BRONZE	2
10	Body Sealant Ring	PTFE / GFT / CARBON / BRONZE	2
11	Lever	M.S. / S.S. 304 / S.S. 316	1
12	Stopper Pin	M.S. / S.S. 304 / S.S. 316	1
13	Stud & Nut	M.S. / S.S	

PRESSURE IN CI MATERIAL IS 215 PSIG ONLY

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp
150	150 PSIG	425 PSIG	300 PSIG	180 °C
300	300 PSIG	1100 PSIG	800 PSIG	180 °C
Air Test - Seat 80 PSI ± 10 PSIG				

