

Class
150 &
300

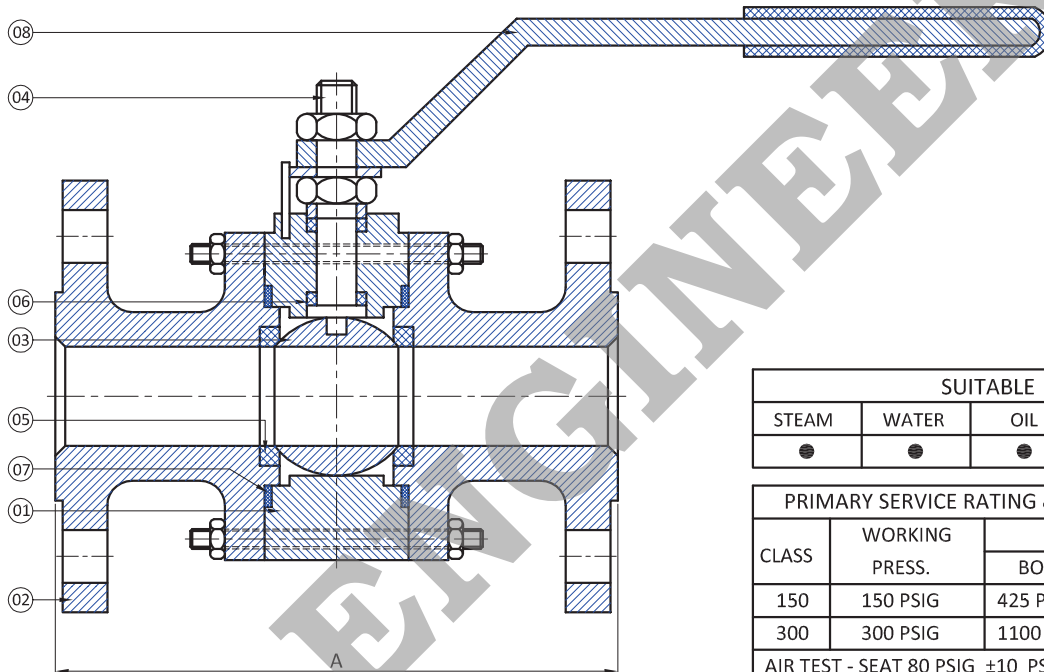
ivm ENGINEERING
DANILIMDA, AHMEDABAD, GUJ.



TECHNICAL DATA

Design & Manufacturing STD : BS 5351, API 6D
Testing & Inspection Std : API 598
Face to Face : ANSI B 16.10
End Connection : Flanged Ends as per ANSI B 16.5

No.	Description	Material
01	Body	C.I./C.S./S.S.304/S.S.316
02	Return Nut	C.I./C.S./S.S.304/S.S.316
03	Ball	AISI 304 / AISI 316
04	Stem	AISI 304 / AISI 316
05	Gland Nut	AISI 304 / AISI 316
06	Gland Bush	AISI 304 / AISI 316
07	Lock Nut	AISI 304 / AISI 316
08	Seat Ring	PTFE
09	Stem Seal	PTFE
10	Body Sealant Ring	PTFE
11	Wrench	C.S./S.S.304/S.S.316
12	Stop	C.S./S.S.304/S.S.316
13	Stoper Pin	C.S./S.S.304/S.S.316
14	Stud & Nut	C.S./S.S.



SUITABLE FOR				
STEAM	WATER	OIL	AIR	GASES
●	●	●		

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSIG	425 PSIG	300 PSIG	200°F
300	300 PSIG	1100 PSIG	800 PSIG	200°F
AIR TEST - SEAT 80 PSIG ±10 PSIG				

CLASS 150	IN.	1/2"	3/4"	1"	1	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"
	M.M.	15	20	25	1 1/2	40	50	65	80	100	125	150	200	250
	A(RF)	108	118	127	140	165	178.0	191.0	203.0	229.0	254	267.0	292.0	330.0
	B	10.0	10.5	11.2	12.7	14.2	15.7	17.5	19	23.9	23.9	25.4	28.4	30.2
	ØC	35	43	51	64	73	92	105	127	157	186	216	270	324
	ØD	89	98	108	117	127	152.4	177.8	190.5	228.6	254	279.4	343	406.0
	ØM	16	16	16	16	16	19	19	19	19	22	22	22	25
	N	4	4	4	4	4	4	4	4	8	8	8	8	12
	PCD	60.4	69.8	79.2	88.9	98.5	120.6	139.7	152.4	190.5	215.9	241.3	298.4	362.0

CLASS 300	IN.	1/2"	3/4"	1"	1	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"
	M.M.	15	20	25	1 1/2	40	50	65	80	100	125	150	200	250
	A(RF)	140	152	165	178	190.5	215.9	241.3	282.5	304.8	381	403.2	419.1	457.2
	B	14.2	15.7	17.5	19.0	20.5	22.0	25.4	28.4	31.7	35	36.5	41.1	47.7
	ØC	35	43	51	64	73	92	105	127	157	186	216	270	324
	ØD	95	117	124	133	155.5	165.1	190.5	209.5	254	279.4	317.5	381	444.5
	ØM	16	19	19	19	22	19	22	22	22	22	22	25	28
	N	4	4	4	4	4	8	8	8	8	8	12	12	16
	PCD	66.5	82.5	89.0	98.5	114.3	127	149.3	168.1	200.1	234.9	269.7	330.2	387.3

ALL DIMENSION ARE IN MM

NOTES:
ALL DIMENSION IN ARE MM.
IF YOU HAVE ANY QUERY OR DOUBT THEN ASK.
DIMENSIONS IN BOX ARE CRITICAL FOR ACCEPTANCE AND PERFORMANCE.