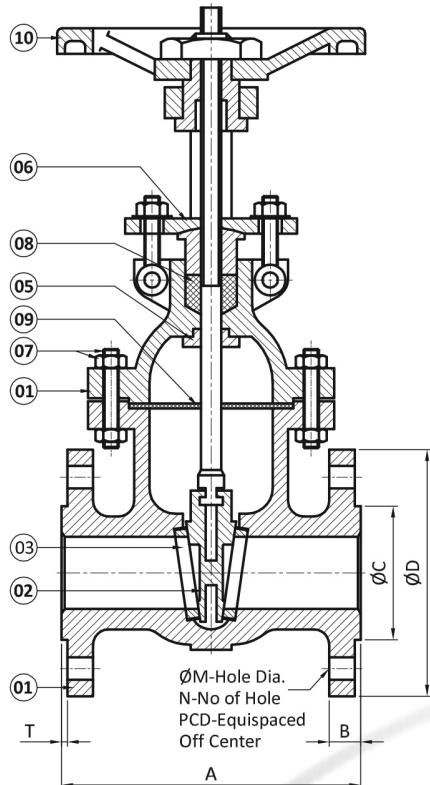


CLASS
150,300,600,
900,1500,2500

ivm ENGINEERING
DANILIMDA, AHMEDABAD, GUJ.



GATE VALVE

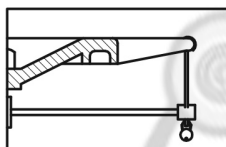


Technical Data

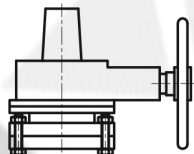
Manufacturing Std : API 600
Testing & Inspection Std : API598
Face to Face : ANSI B 16.10
End Connection : Flanged as per
ANSI B16.5 150#,300,
600#,900#,1500#
& 2500#
650mm & Above
ANSI B16.47 Series A
Butt Weld Ends : As per ANSI B 16.25
Shell Wall Thickness : ANSI B 16.34

Special Features

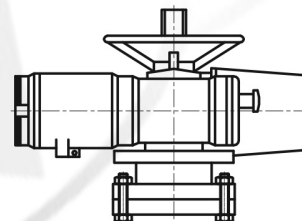
- With Gear Operation if the Torque Exceeds 350N
- With limit Switch Arrangements for open & Close Position
- With Electrical Actuator
- With Stelling
- With IBR Certification
- With Nace MR 0175
- With Position Indicators
- With Locking Arrangement



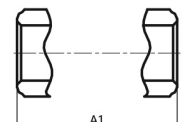
Locking Arrangement



Gear Box



Electrical Actuator



Butt Weld Ends

Part No.	Part Name	WCB	WC6	WC9	C5	C12	LCB	LCC	CF8	CF8M
01	Body & Bonnet	A 216 WCB	A 217 WC6	A 217 WC9	A 217 C5	A 217 C12	A 352 LCB	A 352 LCC	A 351 CF8	A 351 CF8M
02	Wedge	A 216 WCB	A 217 WC6	A 217 WC9	A 217 C5	A 217 C12	A 352 LCB	A 352 LCC	A 351 CF8	A 351 CF8M
03	Seat Ring	A 105	A 182 F11	A 182 F22	A 182 F5	A 182 F9	A 350 LF2	A 350 LF2	Integral	
04	Stem	See Trim Material Table								
05	Back Seat Bushing	See Trim Material Table								
06	Gland Flange	A 216 WCB	A 217 WC6	A 217 WC9	A 217 C5	A 217 C12	A 352 LCB	A 352 LCC	A 351 CF8	A 351 CF8M
07	Studs & Nuts	ASTM A 193 B7, ASTM A 194 2H							A 193 B16 , A 194 Gr.4/7	
08	Packing	Graphite Ring , Metallic Wire Reinforced							PTFE	
09	Gasket	S.S.304/S.S.316 Spiral Wound Gasket with Grafoil Filler							PTFE	
10	Hand Wheel	Ductile or Malleable Iron							Stainless Steel	
11	Yoke	A 216 WCB	A 217 WC6	A 217 WC9	A 217 C5	A 217 C12	A 352 LCB	A 352 LCC	A 351 CF8	A 351 CF8M

Part No.	Part Name	Trim1 13Cr/13Cr	Trim2 304/304	Trim5 Stellite/Stellite6	Trim8 Stellite/13Cr	Trim10 316/316
2	Wedge Face	13 Cr	304 Stainless Steel	Stellite	13Cr	316 Stainless Steel
3	Seat Ring Face	13 Cr	304 Stainless Steel	Stellite	Stellite	316 Stainless Steel
4	Stem	13 Cr	304 Stainless Steel	13Cr	13Cr	316 Stainless Steel
5	Backseat Bushing	13 Cr	304 Stainless Steel	13Cr	13Cr	316 Stainless Steel

Also Available

1. Casting in WCC,LCC,CF3,CF8C,CN7M,Hastalloy,Monel also provided against Requirement
2. Trim Material
3. Special Features Like Stelling

NOTES :
ALL DIMENSION IN ARE MM.
IF YOU HAVE ANY QUERY OR DOUBT THEN ASK.
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CLASS
150,300,600,
900,1500,2500

ivm ENGINEERING
DANILIMDA, AHMEDABAD, GUJ.



GATE VALVE

CLASS 150	IN.	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	34"	36"
	M.M.	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	850	900
	A(RF)	127	165	177.8	190.5	203.2	228.6	254	266.7	292.1	330.2	355.6	381	406.4	432.0	457.0	508.0	558.8	610.0	610.0	660.4	711.0	711.0
	A1(BW)	127	165	177.8	190.5	203.2	228.6	254	266.7	292.1	330.2	355.6	381	406.4	432.0	457.0	508.0	558.8	610.0	610.0	660.4	711.0	711.0
	B	11.2	14.2	15.7	17.5	19	23.9	23.9	25.4	28.4	30.2	31.7	35	36.5	40.0	43.0	48.0	68.5	71.5	74.6	81.5	82.6	90.4
	ØC	51	73	92	105	127	157	186	216	270	324	381	413	470	533	584	692	749	800	857	914	965	1022
	T	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	ØD	108	127	152.4	177.8	190.5	228.6	254	279.4	343	406.4	482.6	533.4	597	635	699	813	870	927	984	1060	1111	1168
	ØM	16	16	19	19	19	19	22	22	22	25	25	28	28	32	32	35	35	35	35	41	41	41
	N	4	4	4	4	4	8	8	8	8	12	12	12	16	16	20	20	24	28	28	28	32	32
	PCD	79.2	98.5	120.6	139.7	152.4	190.5	215.9	241.3	298.4	361.9	431.8	476.2	539.7	578.0	635.0	749.0	806.5	863.6	914.4	977.9	1029	1086
	ØJ	123	152	203	203	254	305	305	356	356	406	457	508	508	610	610	686	762	762	762	762	762	762

CLASS 300	IN.	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
	M.M.	25	40	50	65	80	100	125	150	200	250	300	350	400
	A(RF)	127	190.5	215.9	241.3	282.5	304.8	381	403.2	419.1	457.2	501.6	562	635.2
	A1(BW)	127	190.5	215.9	241.3	282.5	304.8	381	403.2	419.1	457.2	501.6	562	635.2
	B	17.5	20.5	22.3	25.4	28.4	31.7	35	36.5	41.1	47.7	50.8	53.8	57.1
	ØC	51	73	92	105	127	157	186	216	270	324	381	413	470
	T	2	2	2	2	2	2	2	2	2	2	2	2	2
	ØD	125	155.4	165.1	190.5	209.5	254	279.4	317.5	381	444.5	520.7	584.2	647.7
	ØM	20	22	19	22	22	22	22	25	28	32	32	32	35
	N	4	4	8	8	8	8	8	12	12	16	16	20	20
	PCD	89.0	114.3	127	149.3	168.1	200.1	234.9	269.7	330.2	387.3	450.8	514.3	571.5
	ØJ	123	152	203	203	254	305	356	356	406	457	508	508	508

CLASS 400	IN.	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
	M.M.	40	50	65	80	100	125	150	200	250	300	350	400
	A(RF)	241	292	330	356	406	457	495	597	673	762	825.5	901.7
	A1(BW)	241	292	330	356	406	457	495	597	673	762	825.5	901.7
	B	22.3	25.4	28.4	31.7	35	38.1	41.1	47.7	53.8	57.1	60.4	63.5
	ØC	73	92	105	127	157	186	216	270	324	381	413	470
	T	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	ØD	155.4	165.1	190.5	209.5	254	279.4	317.5	381	444.5	520.7	584.2	647.7
	ØM	22	19	22	22	25	25	28	32	35	35	38	41
	N	4	8	8	8	8	8	12	12	16	16	20	20
	PCD	114.3	127	149.3	168.1	200.1	234.9	269.7	330.2	387.3	450.8	514.3	571.5
	ØJ	250	250	305	405	405	490	490	610	675	825	825	850

CLASS 600	IN.	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
	M.M.	40	50	65	80	100	125	150	200	250	300	350	400
	A(RF)	241	292	330	356	432	508	559	660	787	838	889	990.6
	A1(BW)	241	292	330	356	432	508	559	660	787	838	889	990.6
	B	22.3	25.4	28.4	31.7	38.1	44.4	47.7	55.6	63.5	66.3	69.8	76.2
	ØC	73	92	105	127	157	186	216	270	324	381	413	470
	T	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	ØD	155.4	165.1	190.5	209.5	273	330.2	355.6	419.1	508	558.8	603.2	685.8
	ØM	22	19	22	22	25	28	28	32	35	35	38	41
	N	4	8	8	8	8	8	12	12	16	20	20	20
	PCD	114.3	127	149.3	168.1	215.9	266.7	292.1	349.2	431.8	488.9	527	603.2
	ØJ	250	250	305	405	490	490	610	675	825	825	825	1000

CLASS 900	IN.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	M.M.	50	65	80	100	125	150	200	250	300
	A(RF)	368	419	381	457	559	610	737	838	965
	A1(BW)	368	419	381	457	559	610	737	838	965
	B	38.1	41.1	38.1	44.4	50.8	55.6	63.5	69.8	79.2
	ØC	92	105	127	157	186	216	270	324	381
	T	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	ØD	215.9	244.3	241.3	292.1	349.2	381	469.9	546.1	609.6
	ØM	25	28	25	32	35	32	38	38	38
	N	8	8	8	8	8	12	12	16	20
	PCD	165.1	190.5	190.5	234.9	279.4	317.5	393.7	469.9	533.4
	ØJ	250	305	305	350	350	500	610	825	825

CLASS 1500	IN.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	M.M.	50	65	80	100	125	150	200	250	300
	A(RF)	368	419	470	546	673	705	832	991	1130
	A1(BW)	368	419	470	546	673	705	832	991	1130
	B	38.1	41.1	47.7	53.8	73.1	82.5	91.9	107.9	123.9
	ØC	92	105	127	157	186	216	270	324	381
	T	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	ØD	215.9	244.3	266.7	311.1	374.6	393.7	482.6	584.2	673.1
	ØM	25	28	32	35	41	38	45	50.8	54
	N	8	8	8	8	8	12	12	12	16
	PCD	165.1	190.5	203.2	241.3	292.1	317.5	393.7	482.6	571.5
	ØJ	250	305	350	405	490	490	675	825	825

CLASS 2500	IN.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	M.M.	50	65	80	100	125	150	200	250	300
	A(RF)	451	508	578	673	794	914	1022	1270	1422
	A1(BW)	451	508	578	673	794	914	1022	1270	1422
	B	50.8	57.1	66.5	76.2	91.9	107.9	127	165.1	184.4
	ØC	92	105	127	157	186	216	270	324	381
	T	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	ØD	234.9	266.7	304.8	355.6	419.1	482.6	552.4	673.1	762
	ØM	28	32	35	41	48	54	54	67	73
	N	8	8	8	8	8	8	12	12	12
	PCD	171.4	196.8	228.6	273	323.8	368.3	438.1	539.7	619.2
	ØJ	250	305	350	405	490	490	675	825	825

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESS. BODY SEAT	
150	150 PSIG	425 PSIG	300 PSIG
300	300 PSIG	1100 PSIG	800 PSIG
400	400 PSIG	1450 PSIG	1060 PSIG
600	600 PSIG	2175 PSIG	1600 PSIG
900	900 PSIG	3250 PSIG	2400 PSIG
1500	1500 PSIG	5400 PSIG	4000 PSIG
2500	2500 PSIG	9000 PSIG	6600 PSIG
AIR TEST - SEAT 80 PSIG ±10 PSIG			

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