

Fig No: MD-52Q-150 Full Bore
1-1/2" ~ 12" DN40 ~ DN300



Split body design , allows the use of advanced spiral - wound gaskets.
 Blowout - proof stem

All valves with graphite packing and backup seal are inherently fire safe

Ball and seats lapped for optimum performance and tight shutoff

Wall thickness : AMSE/ANSI B16.34 CLASS 150 full port only

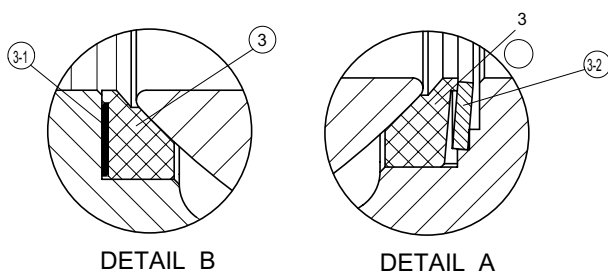
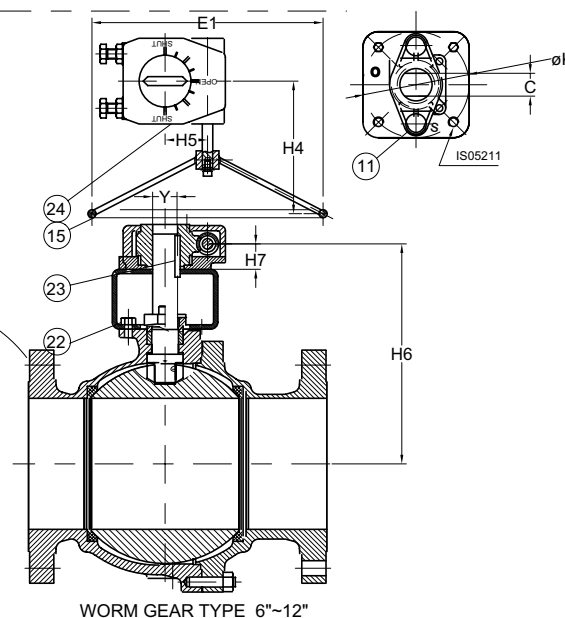
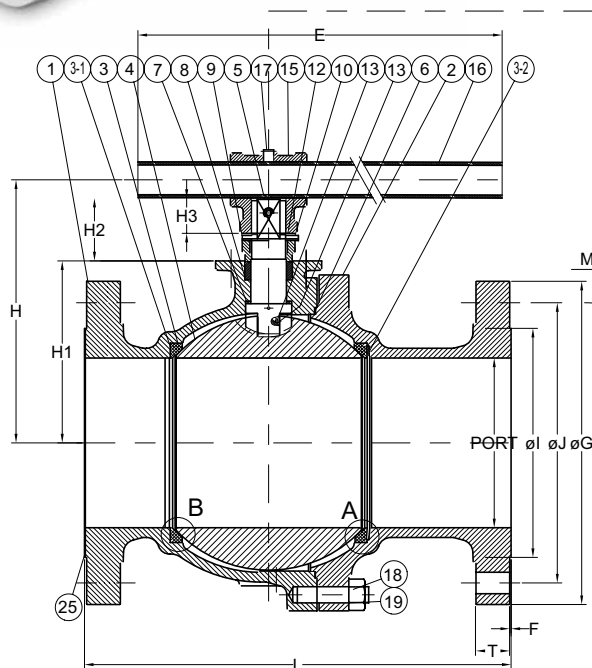
Flanged dimensions : ANSI B16.5 Class 150

Face to Face : ANSI B16.10 Class 150 RF

Pressure-Temperature Rating : ASME B16.34

Tightness rates : ΔP : ASME / FCI 70-2 Class IV

Temperature limitation $\leq 350^{\circ}\text{C}$



MATERIALS LIST

NO.	PARTS	NAME	MATERIALS		
1	BODY	ASTM A216-WCB	ASTM A351-CF8	ASTM A351-CF8M	
2	END CAP	ASTM A216-WCB	ASTM A351-CF8	ASTM A351-CF8M	
3	SEAT	ASTM A276-304+STL6#	ASTM A276-304+STL6#	ASTM A276-316+STL6#	
3-1	SEAT WASHER	GRAFOIL			
3-2	SPRING WASHER	ASTM A240-301			
4	BALL	ASTM A351-CF8+HCr	ASTM A351-CF8M+HCr		
5	STEM	ASTM A276-304	ASTM A276-316		
6	BODY SEAL	GRAFOIL			
7	THRUST WASHER	GRAFOIL			
8	STEM PACKING	GRAFOIL			
9	GLAND FLANGE	ASTM A351-CF8			
10	STOPPER	ASTM A176-304			
11	HX. SOCKET CAP SCREW	ASTM A193-B8			
12	C-RING	S.S. 304			
13	PLUNGER SPRING+ANTI-STATIC BALL	STAINLESS STEEL			
15	HANDLE	ASTM A536/A216-WCB			
16	STEEL PIPE	ASTM A53			
17	SET SCREW	ASTM A193-B8			
18	BODY BOLLT	A193-B7	ASTM A193-B8		
19	BOLT NUT	A194-2H	ASTM A194-8		
22	HX. BOLLT	A193-B7	ASTM A193-B8		
23	KEY	ASTM A108-1045			
24	WORM GEAR BOX.	ASTM A536			
25	END COVER	P.E.			

DIMENSIONS

UNIT: m.m.

SIZE	PORT	L	E	E1	H	H1	H2	H3	H4	H5	H6	H7	C	Y	eG	eJ	eI	T	F	M	N	eK	ISO 5211	W/G TYPE
1-1/2"	40.0	165.1	250.0	—	121.0	66.0	42.0	25.0	—	—	—	—	12.0	e19	127.0	98.6	73.2	14.5	1.6	4	15.8	70.0	F07	—
2"	50.0	177.8	250.0	—	129.0	73.5	42.0	25.0	—	—	—	—	12.0	e19	152.4	120.7	92.0	16.0	1.6	4	19.1	70.0	F07	—
3"	80.0	203.2	350.0	—	166.0	103.0	48.0	30.0	—	—	—	—	17.0	e25	190.5	152.4	127.0	19.1	1.6	4	19.1	102.0	F10	—
4"	100.0	228.6	500.0	—	199.0	123.5	61.0	40.0	—	—	—	—	23.0	e35	228.6	190.5	157.2	23.8	1.6	8	19.1	102.0	F10	—
6"	150.0	393.7	800.0	457.0	275.0	178.5	72.5	40.0	261.0	81.0	312.0	45.0	26.0	e40	279.4	241.3	215.9	25.4	1.6	8	22.2	125.0	F12	WG1
8"	200.0	457.2	1100.0	457.0	310.0	214.5	72.5	40.0	261.0	81.0	348.0	45.0	26.0	e40	342.9	298.5	269.8	28.6	1.6	8	22.2	125.0	F12	WG1
10"	250.0	533.4	1100.0	457.0	356.0	257.0	77.0	45.0	261.0	81.0	390.0	45.0	30.0	e50	406.4	362.0	323.9	30.2	1.6	12	25.4	140.0	F14	WG1
12"	300.0	609.6	1100.0	457.0	395.0	296.0	77.0	45.0	310.0	112.0	452.0	68.0	30.0	e50	482.6	431.8	381.0	31.8	1.6	12	25.4	140.0	F14	WG2