

Fig No. MD-82 Full Bore
1/2" - 12" DN 15 ~ DN 300



Features :

API 607 6th / ISO 10497-5 / BS 6755 Part II Fire Safe Approved
Investment casting component for DN15-DN100
Sand casting for DN150 & above
Blow out proof design, Anti-static device
ISO 5211 Mounting flange
For General chemical and industrial application
Carbon Steel or Super Alloy available upon request

Standard Compliance :

Body wall thickness : EN12516-1/2
Face to face length : DIN 3202 F4 for DN15- DN100
DIN 3202 F5 for DN150 & above
Flange dimension : EN 1092-1
Body Material : EN1503-1
Pressure testing : API 598/ EN 12266

Specification :

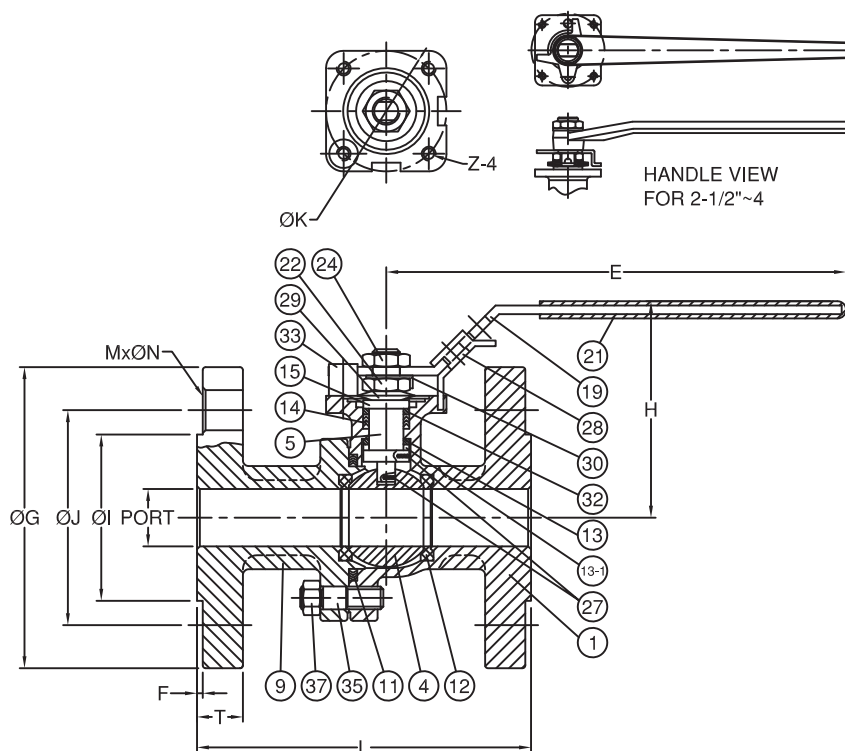
End connection : Flanged RF end
Working pressure :14.6 Bar at RT
Temperature : -20 ~ 180°C

Option :

1. Face to face : DIN 3202 F1 for DN15-DN100

MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	1.4408 / EN1503-1
4	BALL	CF8M / EN1503-2
5	STEM	SS316
9	END CAP	1.4408 / EN1503-1
11	BODY SEAL	SS316+GRAPHITE
12	SEAT	RTFE.
13	THRUST WASHER	RTFE.
13-1	THRUST WASHER	RTFE.+50%SS316
14	STEM PACKING	GRAPHITE
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
24	HANDLE NUT	SS304
27	ANTI-STATIC DEVICE	SS304
28	LOCKING DEVICE	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
32	PACKING FOLLOWER	RTFE.+50%SS316
33	STOP PIN	SS304
35	STUD	SS304
37	BOLT NUT	SS304



DIMENSIONS

														unit:mm
SIZE	PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN15	1/2"	15	115	165	66.0	95	65	45	14	2	4	14	42	M5x0.8
DN20	3/4"	20	120	165	74.0	105	75	58	16	2	4	14	42	M5x0.8
DN25	1"	25	125	200	87.0	115	85	68	16	2	4	14	50	M6x1.0
DN32	1-1/4"	32	130	200	92.0	140	100	78	16	2	4	18	50	M6x1.0
DN40	1-1/2"	38	140	250	105.0	150	110	88	16	3	4	18	70	M8x1.25
DN50	2"	50	150	265	115.0	165	125	102	18	3	4	18	70	M8x1.25
DN65	2-1/2"	64	170	390	152.5	185	145	122	18	3	4	18	102	M10x1.5
DN80	3"	76	180	390	161.5	200	160	138	20	3	8	18	102	M10x1.5
DN100	4"	100	190	390	179.0	220	180	158	20	3	8	18	102	M10x1.5

FLANGE DIMENSION: DIN 2633

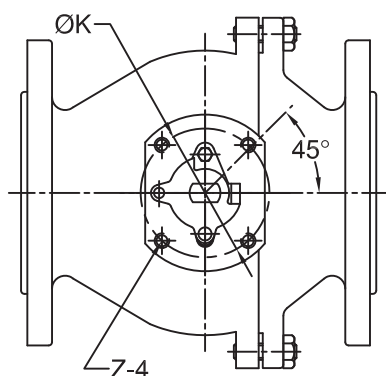
FACE TO FACE: DIN 3202 F4

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MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	1.4408 / EN1503-1
2	SUPPORT NUT	SS304
4	BALL	CF8M / EN1503-2
5	STEM	SS316
5-1	SUPPORT PIN	SS304
9	END CAP	1.4408 / EN1503-1
11	BODY SEAL	SS316+GRAPHITE
12	SEAT	RTFE.
12-1	PIN SEAT	RTFE.
13	THRUST WASHER	RTFE.
13-1	THRUST WASHER	PTFE.+50%SS316
14	STEM PACKING	GRAPHITE
14-1	PIN PACKING	RTFE.
15	GLAND BUSH	SS304
19	HANDLE	JUCTION HEAD(FCD) PIPE GRIP (S15C)
20	SET SCREW	SS304
20-1	SET NUT	SS304
27	ANTI-STATIC DEVICE	SS304
28	STOP PLATE	SS304
32	PACKING FOLLOWER	RTFE.+50%SS316
35	STUD	SS304
37	BOLT NUT	SS304
41	SNAP RING	CARBON STEEL
42	GLAND BOLT	SS304
47	GLAND FLANGE	SS304
56	BEARING	RTFE.



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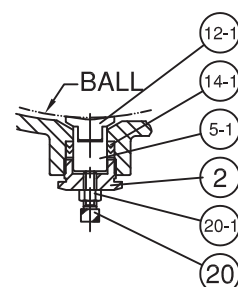
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Specification :

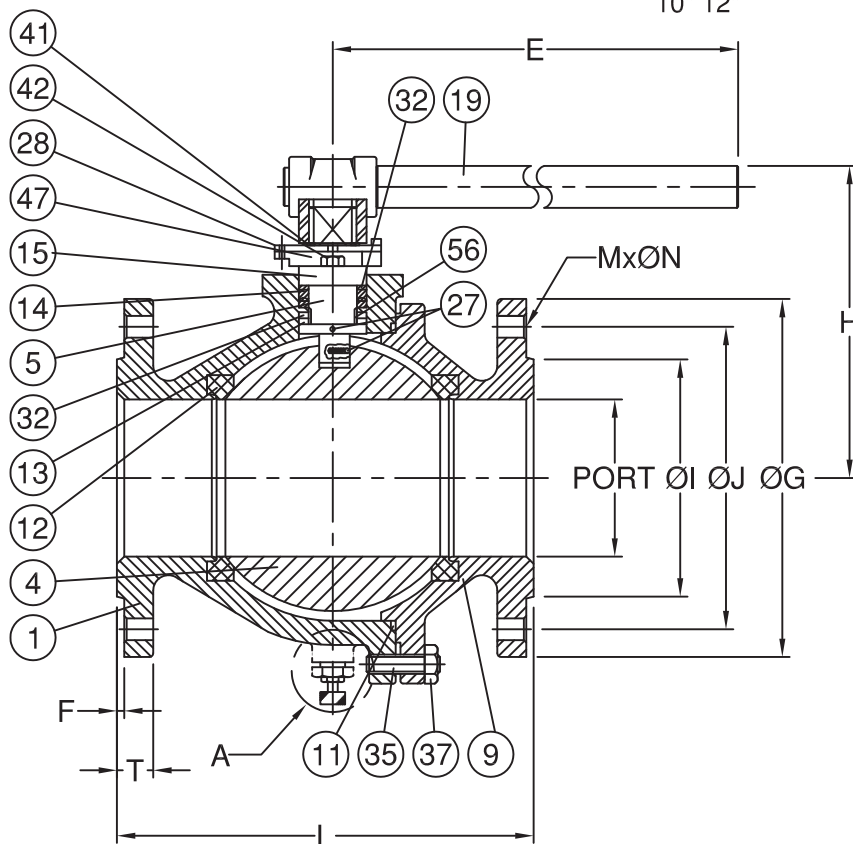
End connection : Flanged RF end
Working pressure :14.6 Bar at RT
Temperature : -20 ~ 180°C

Option :

Face to face :
DIN 3202 F1 for DN15-DN100



A VIEW
SUPPORT BALL DESIGN
10" 12"



DIMENSIONS

unit:mm

SIZE	PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z
DN125	5"	125.0	325	650	225	250	210	188	22	3	8	18	M12x1.75
DN150	6"	150.0	350	650	274	285	240	212	22	3	8	22	M12x1.75
DN200	8"	200.0	400	950	302	340	295	268	24	3	12	22	M12x1.75
DN250	10"	250.0	450	1100	372	405	355	320	26	3	12	26	M16x2.0
DN300	12"	300.0	500	1100	413	460	410	378	28	4	12	26	M16x2.0

FLANGE DIMENSION: DIN 2633
FACE TO FACE: DIN 3202 F5