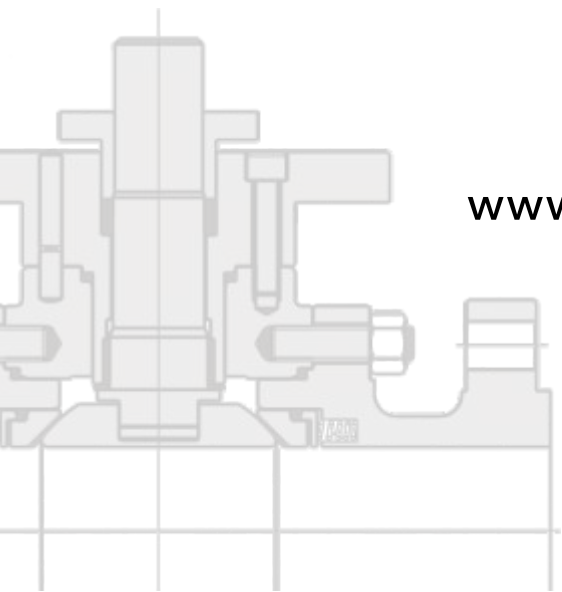


METAL SEALED BALL VALVE

BY

**STEELFUSION
VALVES AND AUTOMATION
PRIVATE LIMITED**

www.steelfusionvalves.com



ABOUT US

SteelFusion valves and Automation pvt ltd. is valve manufacturing Industry sprawling 2000 sq. feet, equipped with the state-of-the art production & testing facility in Pune, India.

A talented team of design and application engineer having experience of more than 11 experts aided by the latest technologies such as CAD / CAM and CAE and software packages like SOLIDWORKS /AUTOCAD/ANSYS, turnout world-class flow control solutions.

With our Expertise and Robust Manufacturing capabilities, we offer Comprehensive range of valve and valve automation solution.

OUR PRODUCT RANGE

- Soft Seated Ball Valve
- Butterfly Valve
- Lined Ball Valve
- Pneumatic Actuator
- Double Block & Bleed Ball valve
- Metal Seated Ball valve
- Plug Valve
- Flush Bottom Ball Valve
- Gate, Globe & Check Valve
- Valve Automation & Solution

WE SERVED



Chemical



Petrochemical



Lubricants /Additives



Food and Beverages



Oil & Gas



Pharmaceutical



Water and wastewater



Automotive



Cement



Steel



Paper

COATING CHART

TYPE	PROCESS	TEMP LIMIT	TYPICAL R.C. HARDNESS	CORROSION RESISTANCE	TYPICAL APPLICATION
PLATING	HARD CHROME	815°C	62-66	GOOD	LOW TEMP. HYDROCARBONS
HVOF	STELLITE	815°C	55-60	EXCELLENT	POWER APPLICATION (CLEAN)
	CHROME CARBIDE	815°C	62-69	EXCELLENT	STEAM CONDENSATE WATER CATALYST REFINING
	TUNGSTEN CARBIDE	540°C	68-72	EXCELLENT	MODERATE TEMP HYDROCARBONS ABRASIVE CATALYST PLOYMER POWDER

STANDARD

Mfg./Design Standard : API 6D / ASME B 16.34 / BS EN ISO 17292
 Face To face : ASME B 16.10
 Testing Standard : API 598 / BS EN 12266 Part 1
 Flanged End : ASME B 16.5
 Buttweld End : ASME B 16.25
 Size : 1/2" to 12"
 (DN 15 to DN 300)

INSPECTION AND TESTING STANDARDS

• MAGNETIC PARTICLE EXAMINATION

ASME B16.34 (Acceptance criteria)
 ASTM E709 (Procedure)
 MSS SP53 (Examination method)

• RADIOGRAPHY

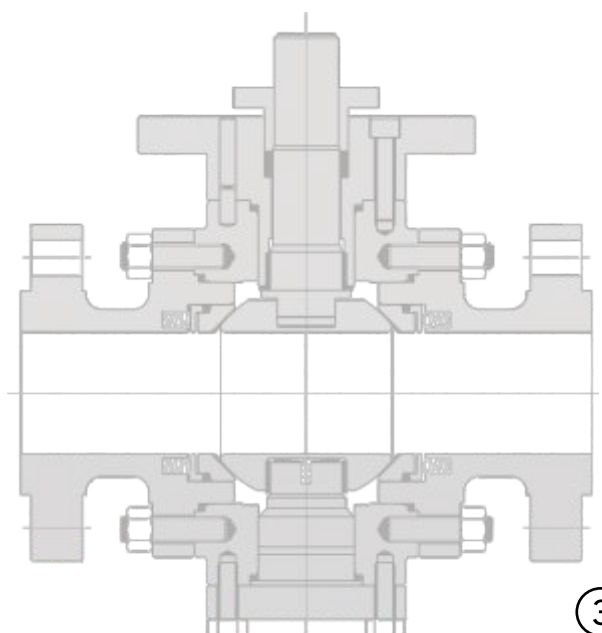
ASME B16.34 (Acceptance criteria)

• ULTRASONIC TESTING

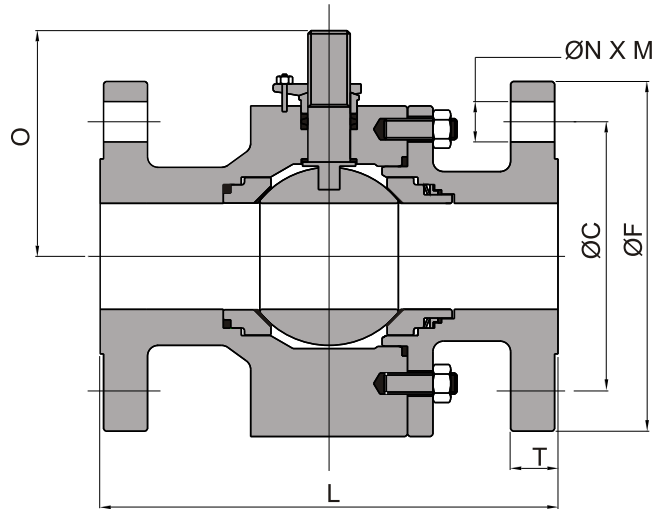
ASTM A609 (Castings)
 ASTM A388 (Forgings)
 ASME B16.34 Acceptance criteria

• HELIUM LEAK TEST

ASME Section V



METAL SEATED FLOATING BALL VALVE



MATERIAL OF CONSTRUCTION

SR.NO.	COMPONENT NAME	MATERIAL		
		CARBON STEEL	CHROM ALLOY STEEL	STAINLESS STEEL
1	BODY	ASTM A 216 GR. WCB / WCC	ASTM A 217 WC6 /WC9	ASTM A 351 GR.CF8M
2	BODY ADAPTER	ASTM A 216 GR. WCB / WCC	ASTM A 217 WC6 /WC9	ASTM A 351 GR.CF8M
3	BALL	SS 410 /SS 316 + HARD FACING		
4	SEAT	SS 410 /SS 316 + HARD FACING		
5	STEM	ASTM A182 F51		
6	GLAND	ASTM A 216 GR. WCB / WCC	ASTM A 217 WC6 /WC9	ASTMA 351 GR.CF8M
7	STEM PACKING	GRAPHITE		
8	BODY GASKET	GRAPHITE		
9	SPRINGS	ASTM B 637 UNS NO. 7750		
10	FASTNER	B7M / 2HM	B16 /Gr. 4	B8M / 8M

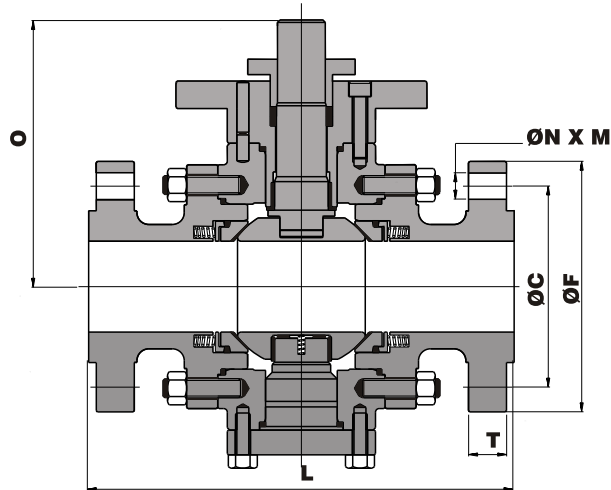
Dimensions in mm

SIZE (DN)	15	20	25	40	50	80	100
CLASS	ASME Class 150						
F	110	117	127	165	178	203	229
ØD	90	98	108	127	152	190	229
ØC	60.3	69.8	79.4	98.4	120.6	152.4	190.5
ØN	16	16	16	16	19	19	19
M	4	4	4	4	4	4	8
T	11.1	13	11.2	14.3	16	19.5	23.8
ØR	34.9	42.9	50.8	73	92.1	127	157.2
H	50.5	55.5	66.5	92	105	138	160

Dimensions in mm

SIZE (DN)	15	20	25	40	50	80	100
CLASS	ASME Class 300						
F	140.5	152	165	190	216	283	305
ØD	95	117	124	156	165	210	254
ØC	66.7	83	89	114	127	168	200
ØN	16	19	19	22	19	22	22
M	4	4	4	4	8	8	8
T	14.3	15.8	17.5	20.6	22.4	28.6	32
ØR	34.9	42.9	50.8	73	92.1	127	157.2
H	50.5	55.5	66.5	92	105	138	160

STEELFUSION METAL SEATED BALL VALVE- TRUNNION MOUNTED

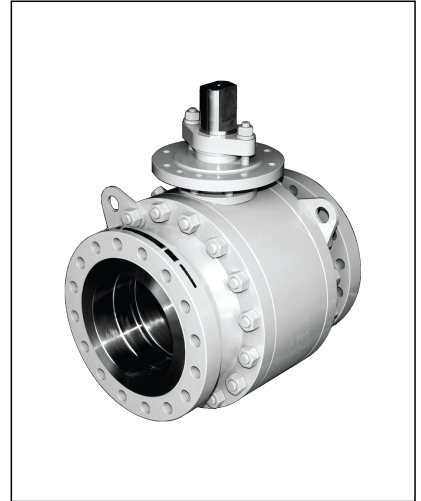


Dimensions in mm

SIZE	50	80	100	150	200	250	300	
CLASS		ASME 150						
	RF	178	203	229	394	457	533	610
L	BWE	216	283	305	457	521	559	635
	RTJ	191	216	241	406	470	546	622
	ØF	152.4	19.5	228.6	279	343	406	483
	ØC	120.7	152.4	19.5	241	298	362	432
	ØN	19.1	19.1	19.1	22.4	22.4	25.4	25.4
	M	4	4	8	8	8	12	12
	T	15.7	19.1	23.9	25.4	28.4	30.2	31.8
	O	105.0	142	164.1	312	340	379	433

SIZE	50	80	100	150	200	250	300	
CLASS		ASME 300						
	RF	216	283	305	403	502	569	648
L	BWE	216	283	305	457	521	559	635
	RTJ	232	298	321	419	518	584	664
	ØF	165.1	209.6	254.0	318	381	445	521
	ØC	127.0	168.1	200.1	270	330	387	451
	ØN	19.1	22.4	22.4	22.4	25	29	32
	M	8	8	8	12	12	16	16
	T	22.4	28.4	31.8	36.6	41.1	47.8	50.8
	O	105.0	142.7	164.1	312	340	425	478

SIZE	50	80	100	150	200	250	300	
CLASS		ASME 600						
	RF	292	356	432	559	660	787	838
L	BWE	292	356	432	559	660	787	838
	RTJ	295	359	435	562	664	791	841
	ØF	165	210	273	356	419	508	559
	ØC	127	168	216	292	349	432	489
	ØN	19	22	25	29	32	35	35
	M	8	8	8	12	12	16	20
	T	31.8	38.1	44.5	54.1	62	69.9	72.9
	O	192	259	275	312	425	425	478



STEELFUSION VALVES AND AUTOMATION PVT. LTD.

(Flow Control People)

Registered Office :

S.No. 201/3/7, Jay Maharashtra Chowk, Alandi Road, Bhosari,
Pune - 411 039. (MAHARASHTRA)

☎ 9975252848

✉ devidas.more@steelfusionvalves.com

Works :

Gat No. 571, Chandrabhaga Industrial Space, Bhalghare Wasti,
Kudalwadi, Chikhali, Pune - 411 062.

☎ 8291197506

✉ saquid.khan@steelfusionvalves.com

**Proof Copy
of SteelFusion
Brochure**