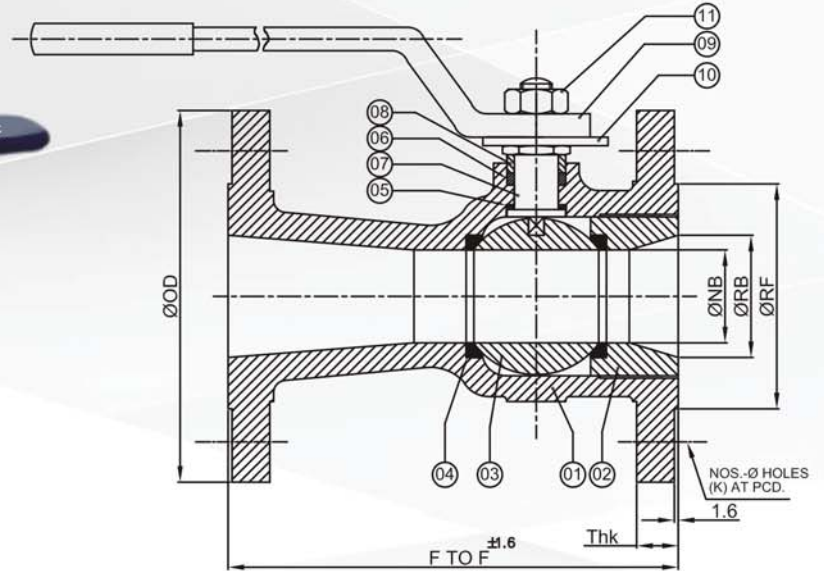


# 1 PC FLANGE END BALL VALVE

**AEC**  
VALVES



## PRODUCT RANGE

**Size** 15 mm - 100 mm  
**Material** Cast Steel - ASTM A216 Gr. WCB  
 SS304 - ASTM A351 Gr. CF8  
 SS316 - ASTM A351 Gr. CF8M.  
**End Connection** Flange End ASA 150# / 300# / DIN Std.

## APPLICABLE STANDARDS

**Design Standard** BS 5351 / EN ISO 17292  
**Face to Face** ASME B16.10  
**Flange Dimensions** ASME B16.5, RF  
**Testing Standard** API 598 / BS 6755 - I  
**Pressure Temp Rating** ASME B16.34  
**Fire Safe** API 607

## DESIGN FEATURES

- Full Port / Reduce Port Design
- Blow-out Proof Stem
- Anti Static Device
- Investment Casting Body
- Floating Ball
- Locking Arrangement
- Fire Safe Design
- ISO 5211 Mounting Pad

## AVAILABLE MODIFICATIONS

- Full Jacketed Ball Valve
- Partially Jacketed Ball Valve
- Flush Bottom Ball Valve
- Extended Stem
- SS304L / SS316L MOC
- Pneumatic / Electric Actuator

TEST PRESSURE			
Rating	Body	Seat	Pneumatic
150#	32 kg./cm <sup>2</sup>	23 kg./cm <sup>2</sup>	7 kg./cm <sup>2</sup>
300#	79 kg./cm <sup>2</sup>	58 kg./cm <sup>2</sup>	7 kg./cm <sup>2</sup>

P. NO.	PART NAME	MATERIAL		
		CAST STEEL	SS304	SS316
1	Body	A216 Gr. WCB	A351 GR. CF8	A351 Gr. CF8M
2	Side Piece	A216 Gr. WCB	A351 GR. CF8	A351 Gr. CF8M
3	Ball	SS 304/CF8	SS 304/CF8	SS 316/CF8M
4	Seat Ring	PTFE / GFT / CFT		
5	Stem Ring	PTFE		
6	Gland Packing	PTFE		
7	Stem	SS 304	SS 304	SS 316
8	Gland Nut	SS 304	SS 304	SS 316
9	Handle	CS / SS	SS 304	SS 304
10	Stop Plate	MS	SS	SS
11	Handle Nut	MS	SS	SS

1 Pc DESIGN BALL VALVE FLANGE ANSI 150#								
SIZE	F-F Dist	ØNB	ØRB	ØOD	ØRF	THK.	NOS ØH	PCD
15 mm	108	11	13	90	34.9	10	4-16	60.3
20 mm	118	13	19	100	42.9	11	4-16	70
25 mm	127	18	25	110	50.8	11.6	4-16	79.4
40 mm	165	32	38	125	73	14.7	4-16	98.4
50 mm	178	38	50	150	92.1	16.3	4-19	120.7
65 mm	190	49	64	180	104.8	17.9	4-19	139.7
80 mm	203	65	75	190	127	19.5	4-19	152.4
100 mm	229	75	100	230	157.2	24.3	8-19	190.5