

DEGO[®]

VALVES



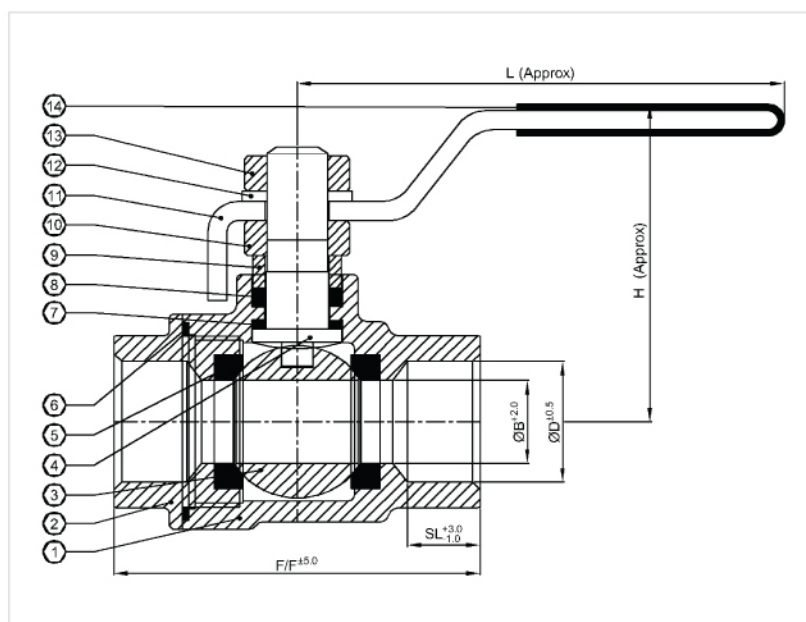
P R E M I U M
QUALITY
BALL **VALVE**



150# One Piece Design Ball Valve (FB)
Screwed End Connection

Design Standard	ISO 17292 / IS 9890-1981
Face to Face Standard	Manufacturer's Standard
Thread End Standard	ISO 228-1
Wall Thickness Standard	ISO 17292
Testing Standard	ISO 17292

TEST PRESSURE (Kg/cm ²)	
Pneumatic Seat Test	7
Hydraulic Seat Test	22
Hydraulic Shell Test	32



Size		ØB	F/F	ØD	SL	H	L
DN (mm)	NPS (inch)						
15	½	13	58	21.8	10	65	115
20	¾	19	67	27.2	13	70	115
25	1	25	84	33.9	13	85	135
32	1 ¼	32	81	42.7	13	105	165
40	1 ½	38	88.5	48.8	13	110	190
50	2	49	109	61.2	16	120	190
65	2 ½	62	124.5	73.9	16	135	310
80	3	74	142	89.8	16	150	310

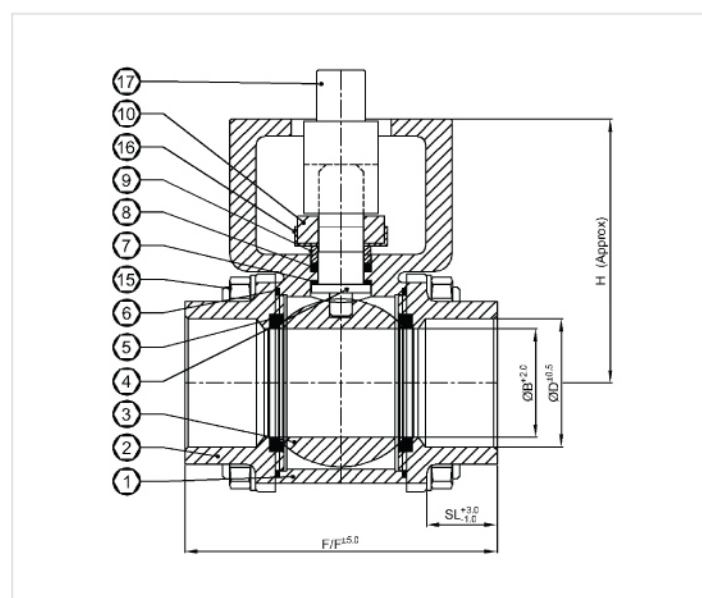
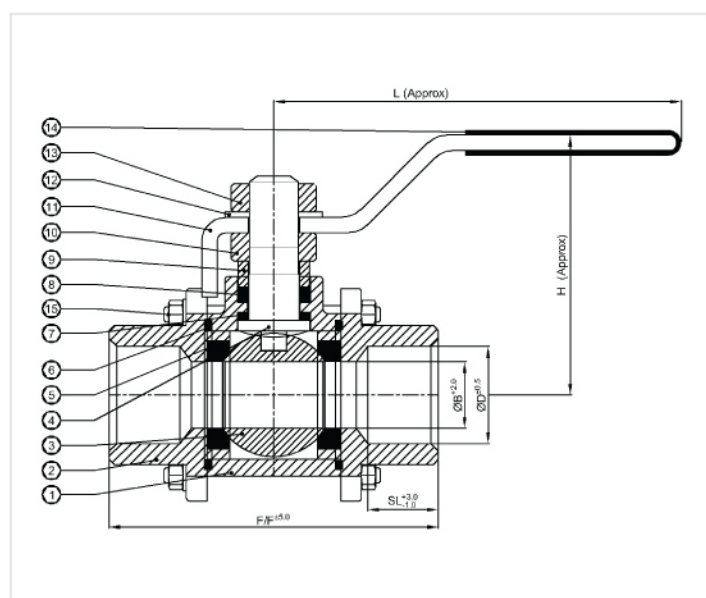
* All dimensions are in mm.

Due to continuous development we reserve the right to change specification without notice.

150# Three Piece Design Ball Valve (FB)
Screwed End / Socket End Connection



150# Three Piece Design Ball Valve (FB)
Screwed End / Socket End Connection
with ISO Mounting Pad



Design Standard	ISO 17292 / IS 9890-1981
Face to Face Standard	Manufacturer's Standard
Thread End Standard	ISO 228-1
Wall Thickness Standard	ISO 17292
Testing Standard	ISO 17292

TEST PRESSURE (Kg/cm ²)	
Pneumatic Seat Test	7
Hydraulic Seat Test	22
Hydraulic Shell Test	32

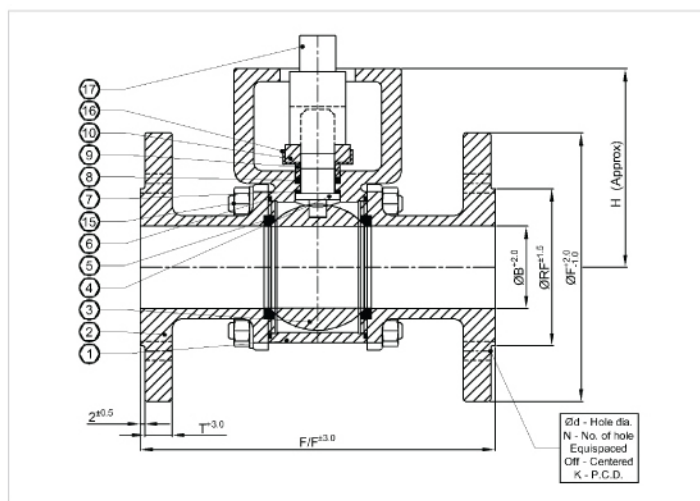
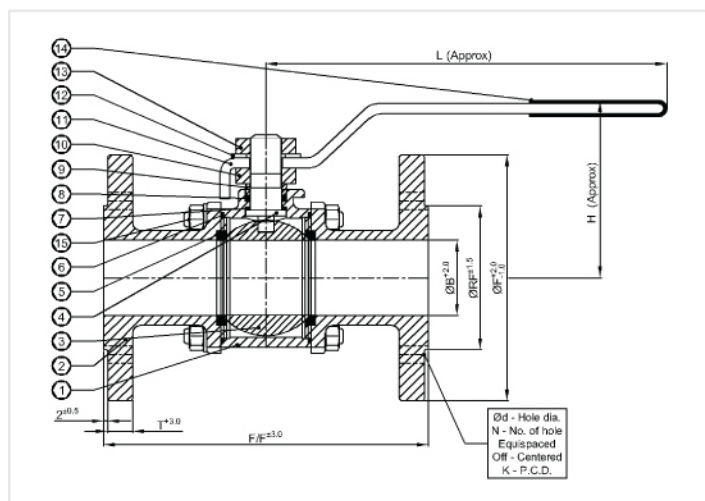
Size		ØB	F/F	ØD	SL	H	H*	L	H1	ISO FLANGE
DN (mm)	NPS (inch)									
15	1/2	13	58	21.8	10	65	26.2	115	37.5	F03
20	3/4	19	67	27.2	13	70	29	115	37.5	F03
25	1	25	84	33.9	13	85	45	135	37.5	F03
32	1 1/4	32	81	42.7	13	105	50	165	37.5	F05
40	1 1/2	38	88.5	48.8	13	110	60	190	48	F05
50	2	49	109	61.2	16	120	69.5	190	48	F05
65	2 1/2	62	124.5	73.9	16	135	81.75	310	48	F07
80	3	74	142	89.8	16	150	97	310	48	F07

* All dimensions are in mm.

150# Three Piece Design Ball Valve (FB) Flanged End Connection



150# Three Piece Design Ball Valve (FB) Flanged End Connection with ISO Pad



Design Standard	API 6D / ISO 17292
Face to Face Standard	API 6D
Flange End Standard	ASME B 16.5
Wall Thickness Standard	ASME B 16.34
Testing Standard	API 6D

TEST PRESSURE (Kg/cm ²)	
Pneumatic Seat Test	7
Hydraulic Seat Test	22
Hydraulic Shell Test	32

Size		ØB	F/F	ØF	T	ØRF	Ød (inch)	N	K(PCD)	H	H*	L	H1	ISO FLANGE
DN (mm)	NPS (inch)													
15	1/2	12.7	108	89	7.9	35.1	5/8"	4	60.5	60	26.2	160	37.5	F03
20	3/4	19	117	99	8.6	42.9	5/8"	4	69.8	65	29	160	37.5	F03
25	1	25	127	108	9.7	50.8	5/8"	4	79.2	70	45	170	37.5	F03
32	1 1/4	31.8	140	117	11.2	63.5	5/8"	4	88.9	100	50	170	37.5	F05
40	1 1/2	38	165	127	12.7	73	5/8"	4	98.6	105	60	225	48	F05
50	2	49	178	152	14.2	91.9	3/4"	4	120.6	115	69.5	225	48	F05
65	2 1/2	62	191	178	15.7	104.6	3/4"	4	139.7	135	81.75	310	48	F07
80	3	74	203	190	17.5	127	3/4"	4	152.4	150	97	310	48	F07
100	4	100	229	229	22.4	157.2	3/4"	8	190.5	160	117	360	66	F07/F10
125	5	125	254	254	22.5	185.7	7/8"	8	215.9	215	125	640	66	F07/F10
150	6	150	267/394	279	23.9	215.9	7/8"	8	241.3	255	161	640	66	F10
200	8	201	292/457	343	26.9	269.7	7/8"	8	298.4	--	210	--	66	F12

* All dimensions are in mm.

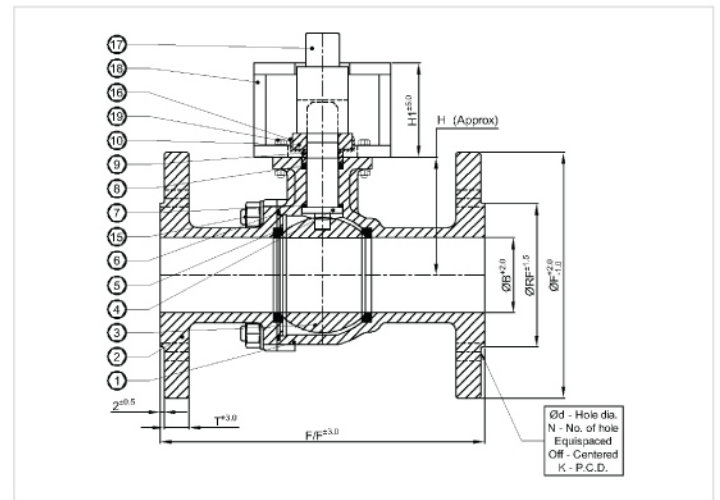
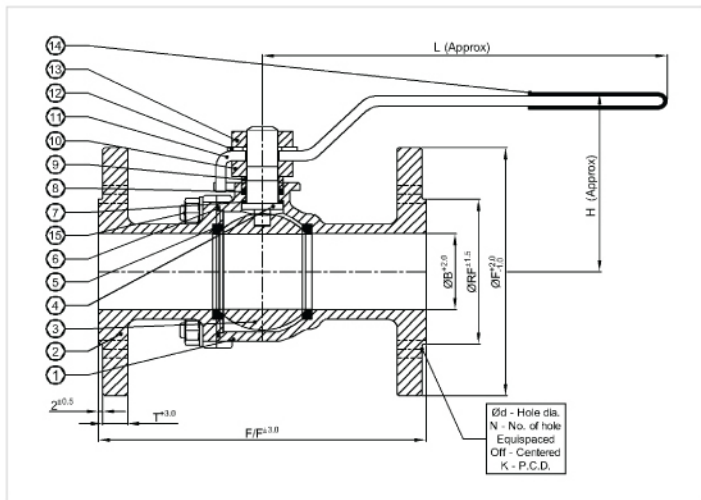
Optional Fire Safe Design Available From Size 25mm To 200mm.

Due to continuous development we reserve the right to change specification without notice.

**150# Two Piece Design Ball Valve (FB)
Flanged End Connection**



**150# Three Piece Design Ball Valve (FB)
Flanged End Connection with ISO Pad**



Design Standard	API 6D / ISO 17292
Face to Face Standard	API 6D
Flange End Standard	ASME B 16.5
Wall Thickness Standard	ASME B 16.34
Testing Standard	API 6D

TEST PRESSURE (Kg/cm ²)	
Pneumatic Seat Test	7
Hydraulic Seat Test	22
Hydraulic Shell Test	32

Size		ØB	F/F	ØF	T	ØRF	Ød (inch)	N	K(PCD)	H	H*	L	H1	ISO FLANGE
DN (mm)	NPS (inch)													
15	1/2	12.7	108	89	7.9	35.1	5/8"	4	60.5	60	26.2	160	37.5	F03
20	3/4	19	117	99	8.6	42.9	5/8"	4	69.8	65	29	160	37.5	F03
25	1	25	127	108	9.7	50.8	5/8"	4	79.2	70	45	170	37.5	F03
32	1 1/4	31.8	140	117	11.2	63.5	5/8"	4	88.9	100	50	170	37.5	F05
40	1 1/2	38	165	127	12.7	73	5/8"	4	98.6	105	60	225	48	F05
50	2	49	178	152	14.2	91.9	3/4"	4	120.6	115	69.5	225	48	F05
65	2 1/2	62	191	178	15.7	104.6	3/4"	4	139.7	135	81.75	310	48	F07
80	3	74	203	190	17.5	127	3/4"	4	152.4	150	97	310	48	F07
100	4	100	229	229	22.4	157.2	3/4"	8	190.5	160	117	360	66	F07/F10
125	5	125	254	254	22.5	185.7	7/8"	8	215.9	215	125	640	66	F07/F10
150	6	150	267/394	279	23.9	215.9	7/8"	8	241.3	255	161	640	66	F10
200	8	201	292/457	343	26.9	269.7	7/8"	8	298.4	--	210	--	66	F12

* All dimensions are in mm.

Optional Fire Safe Design Available From Size 25mm To 200mm.

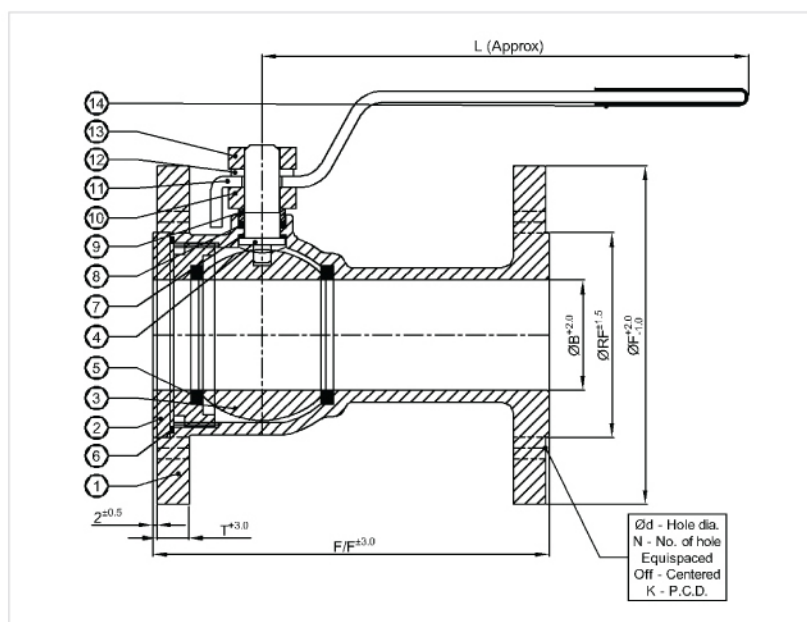
Due to continuous development we reserve the right to change specification without notice.



150# One Piece Design Ball Valve (FB)
Flanged End Connection

Design Standard	API 6D / ISO 17292
Face to Face Standard	API 6D
Thread End Standard	ASME B 16.5
Wall Thickness Standard	ASME B 16.34
Testing Standard	API 6D

TEST PRESSURE (Kg/cm ²)	
Pneumatic Seat Test	7
Hydraulic Seat Test	22
Hydraulic Shell Test	32



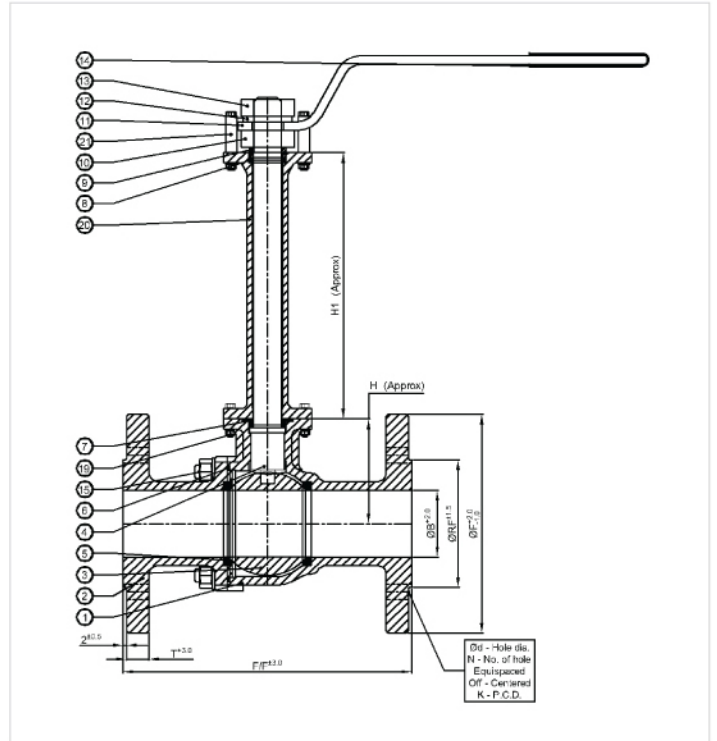
Size		ØB	F/F	ØF	T	ØRF	Ød (inch)	N	K(PCD)	H	L
DN (mm)	NPS (inch)										
25	1	25	127	108	9.7	50.8	5/8"	4	79.2	70	170
40	1 ½	38	165	127	12.7	73	5/8"	4	98.6	105	225
50	2	49	178	152	14.2	91.9	3/4"	4	120.6	115	225
65	2 ½	62	191	178	15.7	104.6	3/4"	4	139.7	135	310
80	3	74	203	190	17.5	127	3/4"	4	152.4	150	310
100	4	100	229	229	22.4	157.2	3/4"	8	190.5	160	360

* All dimensions are in mm.

Optional Fire Safe Design Available From Size 25mm To 200mm.



**150# Extended Stem Ball Valve (FB)
Flanged End Connection**



All Stem Extension are available in Three Piece / Two Piece Design Flange End (FB) Ball Valve with ISO Mounting Pad for standard sizes of extension as 100/150/200mm and for custom size too.

All dimensions of extended stem valves are as per Three Piece / Two Piece Design Flange End (FB) Ball Valve with ISO Mounting Pad.

BILL OF MATERIAL

No.	Part Name	Material of Construction	Qty.
1	Body	WCB / CF8 / CF8M	1
2	Sidepiece / Cap	WCB / CF8 / CF8M	As Required
3	Ball	WCB / CF8 / CF8M	1
4	Stem	SS 304 / SS 316	1
5	Seat Ring	VIRGIN PTFE	2
6	Gasket	VIRGIN PTFE	As Required
7	Stem Seal / Stem Bush	VIRGIN PTFE	1
8	Gland Packing	VIRGIN PTFE	2
9	Gland	SS 304 / SS 316	1
10	Gland Nut	SS 304 / SS 316	1
11	Lever	COATED MS / SS	1
12	Spring Washer	COATED MS / SS 304	1
13	Lever Nut	COATED MS / SS 304	1
14	Lever Sleeve	PVC	1
15	Body Sidepiece Fasteners	COATED MS / SS 304 / SS 316	As Required
16	Lock Washer	COATED MS / SS	1
17	Coupler	SS 410 / SS 304 / SS 316	1
18	Mounting Bracket	COATED MS / SS 304 / SS 316	1
19	Mounting Pad Fasteners	COATED MS / SS 304 / SS 316	As Required
20	Extension Pipe	COATED MS / SS 304 / SS 316	1
21	Lever Stopper	COATED MS / SS	2

Notes :- 1) Hollow Ball Will be Provided for Sizes 40mm and Above

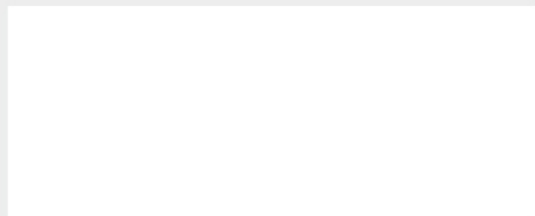
Mfg. by:

ESTEEM
INCORPORATION

Golden Green Industrial Park,
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DEALER STAMP