

Three Pieces Ball Valves IMF 1000 WOG

Size 1/4" - 4" (DN 8 - 100) Stainless Steel



Fig. 143IMF FULL BORE

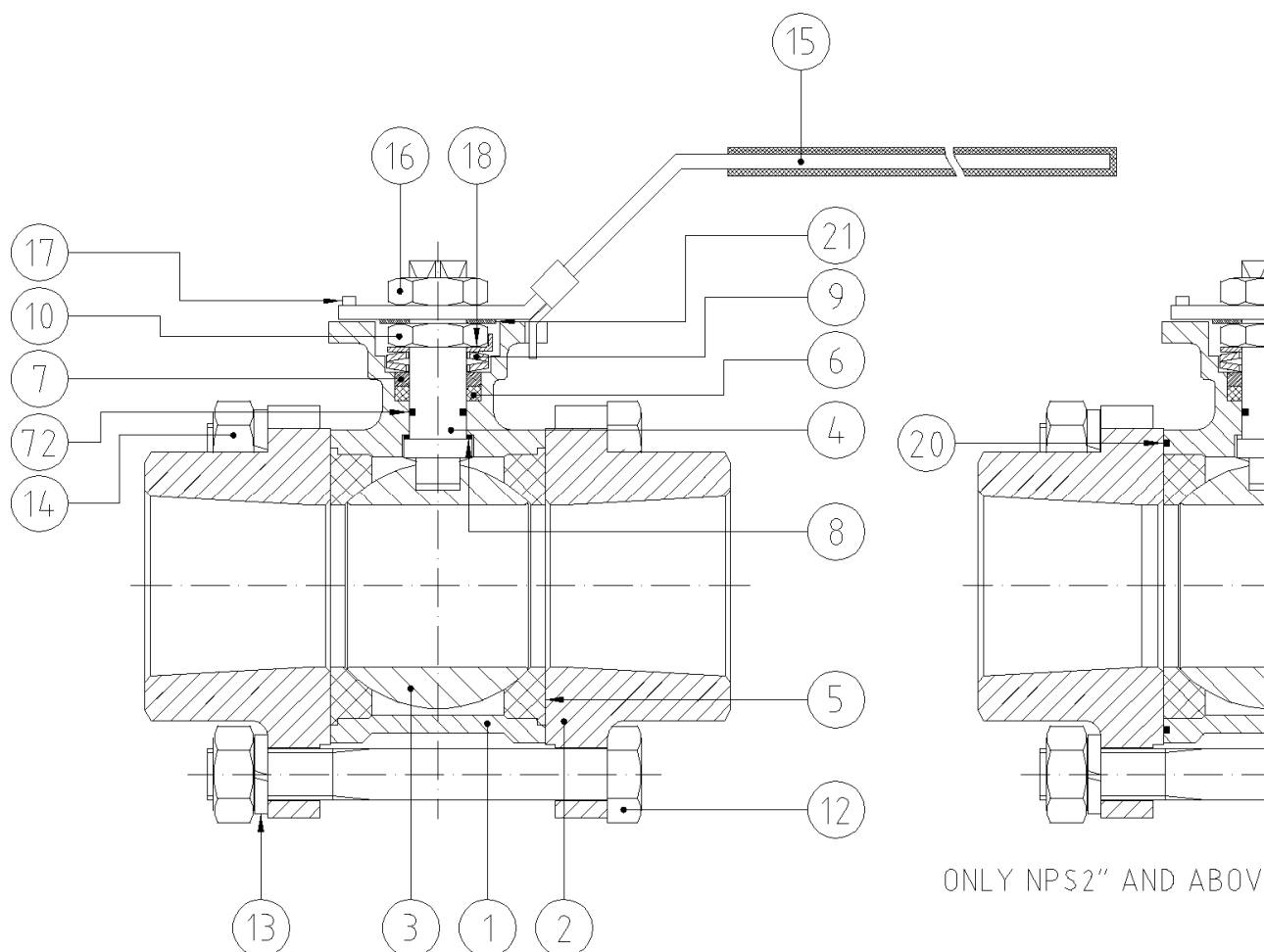
**Butt Weld according:
ASME B16.25 & DIN 3239 part 1**



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Parts and materials

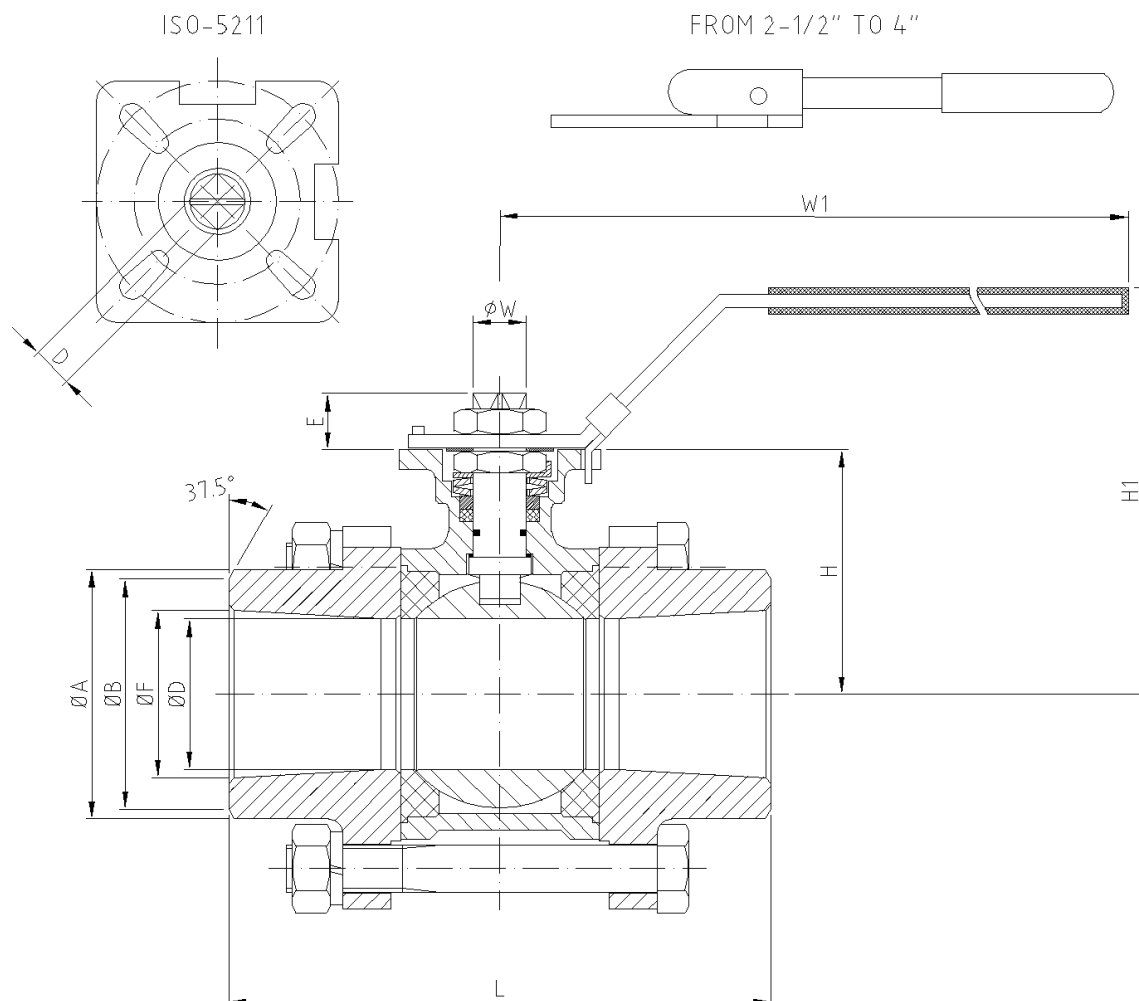


Item	Description	Material
1	Body	AISI 316
2	Body connector	AISI 316
3	Ball	AISI 316
4	Stem	AISI 316
5	Seat ring	PTFE
6	Stem packing	PTFE
7	Ring	AISI 304
8	Stem thrust seal	PTFE
9	Belleville washer	AISI 301
10	Gland Nut	AISI 304
12	Bolt	AISI 304
13	Washer	AISI 304
14	Nut	AISI 304
15	Handle	AISI 304+PVC
16	Handle nut	AISI 304
17	Stop pin	AISI 304
18	Locking washer	AISI 304
20	Gasket	PTFE
21	Washer	AISI 304
72	O'ring	FKM

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Dimensions



Dimensions

SIZE	ØD	L	ØA	ØB	ØF	W1	H1	H	E	D	ISO 5211	WEIGHT
1/4" (DN 8)	10,8	60	18	12	10,8	143	70	38,5	9	9	F04/03	0,59
3/8" (DN 10)	12,5	60	18	13,5	12,5	143	70	38,5	9	9	F04/03	0,58
1/2" (DN 15)	15	70	23	18,5	16	143	70	38,5	9	9	F04/03	0,57
3/4" (DN 20)	20	85	28	24	21	143	79	47,5	9	9	F04/03	0,71
1" (DN 25)	25	95	35	29,5	26,6	163	95	59	11	11	F05/04	1,03
1 1/4" (DN 32)	32	110	43	38	35	163	100	63,5	11	11	F05/04	1,56
1 1/2" (DN 40)	38	120	50	44	40,5	188	116	79	15	14	F07/05	2,5
2" (DN 50)	50	142	61	55,5	52,5	188	124	86,5	15	14	F07/05	3,44
2 1/2" (DN 65)	64	166	75	67	65	350	141	109,1	17	17	F10/07	6,4
3" (DN 80)	76	182	91	82,4	78	350	149	117	17	17	F10/07	11,2
4" (DN 100)	94	227	115	113	100	350	173	136	22	22	F12/10	22

(*) Dimensions in mm and weight in kg.

Note:

Dimensions not subject to International Standards can vary in $\pm 10\%$. ICP reserves the right to change those dimensions without notice, due to they do not affect integrity and performance of the valves.



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Torque, Kv, P&T Rating, Actreg Actuator

Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE 63 bar	VALVE SIZE	AT DIFFERENTIAL PRESSURE 25 bar
1/4" (DN 8)	4,9	2 1/2" (DN 65)	58,3
3/8" (DN 10)	4,9	3" (DN 80)	86,8
1/2" (DN 15)	4,9	4" (DN 100)	122,6
3/4" (DN 20)	6,5		
1" (DN 25)	13,7		
1 1/4" (DN 32)	21,6		
1 1/2" (DN 40)	29,5		
2" (DN 50)	47		

Kv Values in m³/h

VALVE SIZE	Kv	VALVE SIZE	Kv
1/4" (DN 8)	6,6	1 1/2" (DN 40)	80,0
3/8" (DN 10)	6,6	2" (DN 50)	150,0
1/2" (DN 15)	11,2	2 1/2" (DN 65)	265,0
3/4" (DN 20)	21,0	3" (DN 80)	415,0
1" (DN 25)	34,0	4" (DN 100)	780,0
1 1/4" (DN 32)	57,0		

Pressure-Temperature

