

# Three piece Ball Valve

Technical Guide W4.11

Three piece 316 Stainless Steel Ball Valve with ISO 5211 direct mount for actuation.



11.22 | W4.11 FULL BORE BALL VALVE DIRECT MOUNT

## Applications

Chemical service

Water treatment

Waste water treatment

## Product Attributes

Three piece

All 316 SS or CF8M

Lockable handle

Full bore

Blow out proof stem

## Approvals/Standards

ISO 5211 Mount

## Quality

ISO 9001:2008 Quality Management Standard

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### Technical Information

- Size Range: DN8 - DN100 (1/4" - 4")
- Pressure Rating at 1000PSI W.O.G
- Pressure Test: API598

### Features

- SS316 body, cap and ball
- Full bore
- Threaded BSP
- Quality investment cast body and cap
- Internal entry blow-out proof stem
- Lever handle with locking device

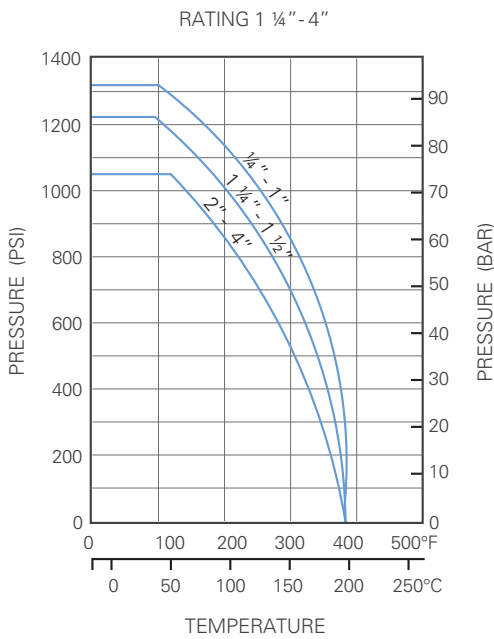


TABLE 2



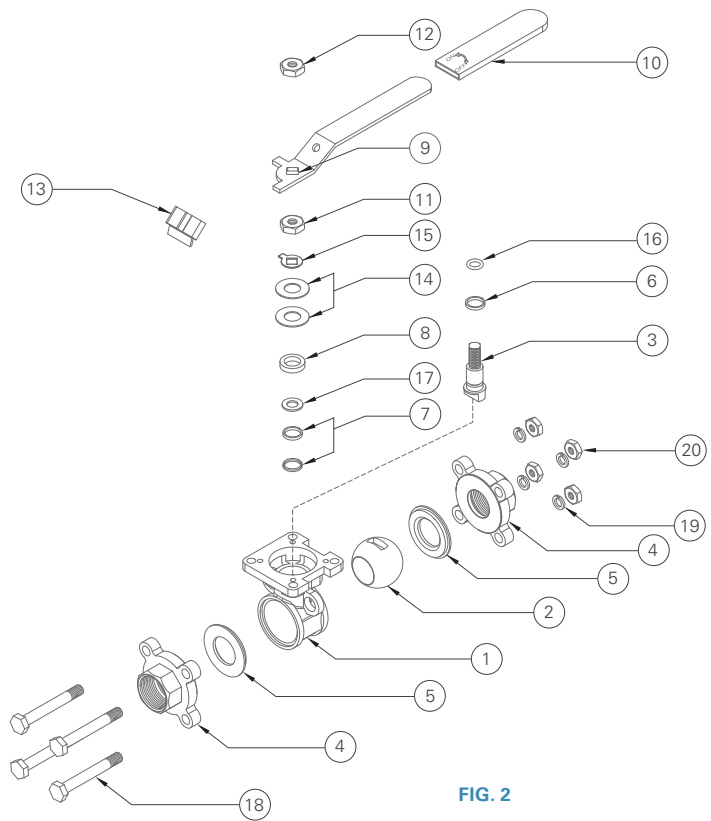
FIG. 1

TABLE 1

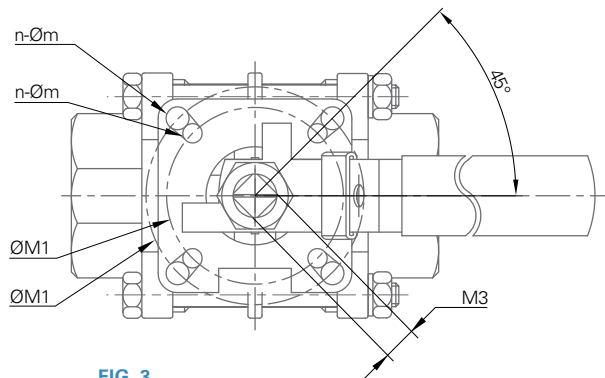
V3MH DN8 - DN100							ISO 5211 Top Flange					Optional Socket & Butt weld					
DN	NPS	FxF	h1	h2	h3	l1	Flange No.	n-Øm	ØM1	M3	CV Factor	Torque (N.m)	Weight (kg)	Ød1	Ød2	Ød3	l2
8	1/4"	63.5	73	37	8.5	112	F03/04	4-6	36/42	9	8	7.7	0.6	14	11	14	10
10	3/8"	63.5	73	37	8.5	112	F03/04	4-6	36/42	9	14	7.7	0.6	17	13	18	10
15	1/2"	63.5	73	37	8.5	112	F03/04	4-6	36/42	9	26	7.7	0.6	21	16	22	10
20	3/4"	72.5	80.8	45	8.5	112	F03/04	4-6	36/42	9	51	15.5	0.7	27	21	27	13
25	1"	81	90.5	53.5	11.4	136	F04/05	4-6/7	42/50	11	68	21	1.0	33	27	34	13
32	1 1/4"	94.5	98.7	59.3	11.4	185	F04/05	4-6/7	42/50	11	120	20	1.6	42	35	43	13
40	1 1/2"	108	115.3	74.8	14	198	F05/07	4-7/9	50/70	14	170	39	2.5	48	41	49	13
50	2"	121.5	124	83.5	13.7	198	F05/07	4-7/9	50/70	14	376	70	3.4	60	53	61	16
65	2 1/2"	157.5	155	108.8	18	264	F07/10	4-9/11	70/102	17	510	89	6.4	73	63	77	16
80	3"	190	208.5	118.3	18	264	F07/10	4-9/11	70/102	17	996	116	11.2	89	78	90	16
100	4"	225	216.7	153.8	23	325	F10/12	4-9/11	102/125	22	1893	300	22	114	102	115	22

**TABLE 3**

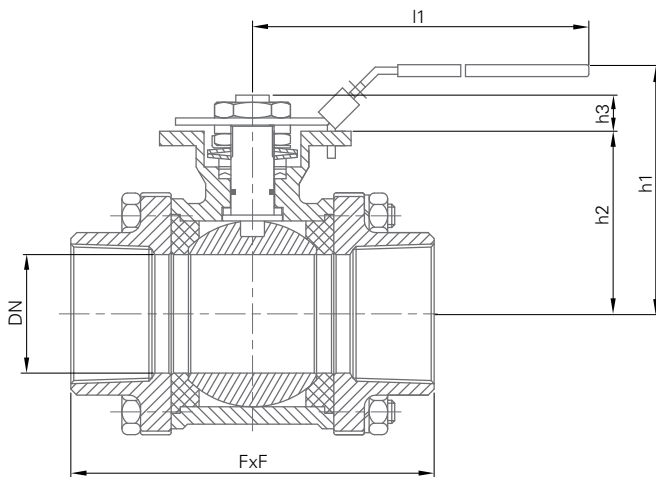
No.	Description	Material
1	Body	CF8M
2	Ball	CF8M
3	Stem	SS316
4	End Cap	CF8M
5	Seat	RTFEw
6	Thrust Washer	RTFE
7	Stem Packing	RTFE
8	Gland Bush	SS304
9	Handle	SS304
10	Handle Sleeve	VINYL GRIP
11	Stem Nut	SS304
12	Handle Nut	SS304
13	Locking Pad	SS304
14	Belleville Washer	SS304-CSP
15	Tab Washer	SS304
16	O-Ring	VITON
17	Packing Follower	PTFE+25%G.F.
18	Body Bolt	SS304
19	Bolt Washer	SS304
20	Bolt Nut	SS304



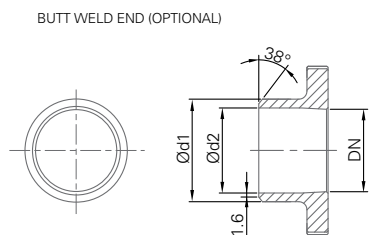
**FIG. 2**



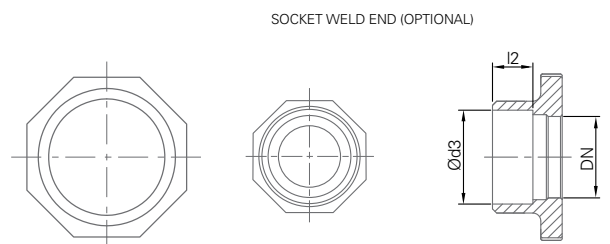
**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**

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