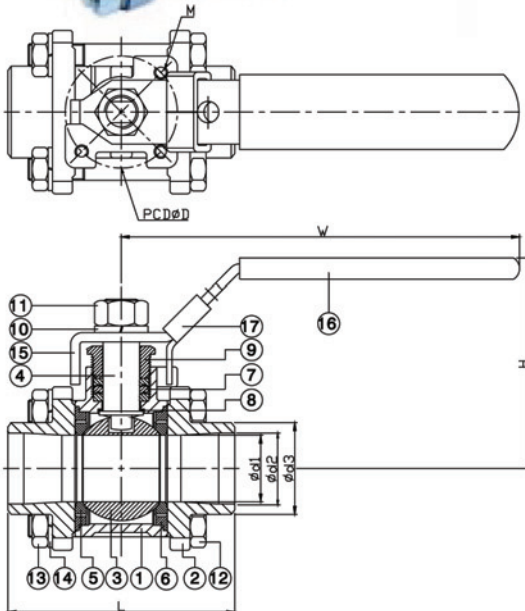




3-PC. BUTT WELD END BALL VALVE

2012NM

★ ECONOMIC PATTERN



FEATURES

- Full port, 1/4"~4" (DN8~DN100)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Locking device
- ISO 5211 Mounting pad
- TA-Luft approved
- Length conform to DIN 3202/4-M3-2012NM-M3 (option)
- Butt weld ends conform to ANSI B16.25 & DIN 3239 part1

ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	ASTM A351-CF8M	
4	STEM	ASTM A276-316	
5	SEAT		
6	SEAL	PTFE	
7	PACKING		
8	THRUST WASHER		
9	GLAND NUT		
10	SPRING WASHER	AISI 304	
11	STEM NUT		
12	BOLT		
13	NUT		
14	SPRING WASHER	AISI 304	
15	HANDLE		
16	HANDLE SLEEVE	PVC	
17	LOCKING DEVICE	AISI 304	

DN	d1	d2	d3	D	M	L	H	W	ISO 5211	Torque (N-M)
8	11.6	-	14.7	36	M5	65	58.5	100	F03	3.5
10	12.5	-	18.1	36	M5	65	58.5	100	F03	4
15	15	15.8	22.3	36	M5	65	62	100	F03	5.5
20	20	20.9	27.7	36	M5	75	62	125	F03	7.5
25	25	26.6	34.4	42	M5	85	77	149	F04	11
32	32	35.1	43.2	42	M5	101	82	149	F04	15
40	38	40.9	49.3	50	M6	112	100	190	F05	20
50	50	52.5	61.5	50	M6	130	108	190	F05	40
65	63	62.7	74.5	70	M8	162	137	250	F07	60
80	76	77.9	91	70	M8	188	145	250	F07	85
100	96	102	155.5	102	M12	224	179	323	F10	150

unit: m m

NPS	d1	d2	d3	D	M	L	H	W	ISO 5211	Torque (in-lb)
1/4"	0.46	-	0.58	1.42	M5	2.56	2.3	3.94	F03	30.98
3/8"	0.49	-	0.71	1.42	M5	2.56	2.3	3.94	F03	35.4
1/2"	0.59	0.62	0.88	1.42	M5	2.56	2.44	3.94	F03	48.68
3/4"	0.79	0.82	1.09	1.42	M5	2.95	2.44	4.92	F03	66.38
1"	0.98	1.05	1.35	1.65	M5	3.35	3.03	5.87	F04	97.36
1-1/4"	1.26	1.38	1.7	1.65	M5	3.98	3.23	5.87	F04	132.76
1-1/2"	1.5	1.61	1.94	1.97	M6	4.41	3.94	7.48	F05	177.01
2"	1.97	2.07	2.42	1.97	M6	5.12	4.25	7.48	F05	354.03
2-1/2"	2.48	2.47	2.93	2.76	M8	6.38	5.39	9.84	F07	531.04
3"	2.99	3.07	3.58	2.76	M8	7.4	5.71	9.84	F07	752.31
4"	3.78	4.02	6.12	4.02	M12	8.82	7.05	12.72	F10	1327.61

unit: in