



# Three Piece Design Socket Weld Ball Valve, Full Bore

**HASTELLOY® C276 / 2000/1500PSI**

## Fig No: V-255FSS

Full Bore 1/4" ~ 2" (DN8 ~ DN50)



### Features :

- Investment Casting Component
- Blow Out Proof Stem, Non Anti-Static Device
- ISO 5211 Mounting Flange Design
- In-line Maintenance
- Standard Stock Without Fire Safe Standard Sealing Kits (changeable)
- \* Option : API 607 4th Edition Fire Safe Approved
- Sealing Kits can be changed upon request

### Standard Compliance :

- Body Wall Thickness : EN 12516-1/2/3, ANSI B16.34
- Socket Weld : B16.11
- Face to Face : MD's Standard
- Pressure Testing : API 598 / EN 12266

### Specification :

- Working Pressure : 140 Bar ( CWP ) / 2000 PSI for DN8 ~ DN25
- 100 Bar ( CWP ) / 1500 PSI for DN32 ~ DN50
- Temperature : -20 to 180 °C ( -4 to 356 °F ) for RTFE.
- Suggested Application : Hydrochloric Acid, Sulfuric Acid, Caustic Soda, Nitric Acid, Chlorides

MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	BODY	ASTM A494 Gr.CW12MW
4	BALL	ASTM A494 Gr.CW12MW
5	STEM	N10276
9	END CAP	ASTM A494 Gr.CW12MW
11	BODY SEAL	PTFE.
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
24	HANDLE NUT	SS304
28	LOCKING PAD	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
33	STOP PIN	SS304
34	STOP PIN NUT	SS304
35	BODY BOLT	ASTM A193 Gr.B8M
37	BOLT NUT	ASTM A194 Gr.8M

DIMENSIONS																	unit:mm
SIZE	PORT	L	L2	E	H	H1	H2	h	W	ØK	C	ØD	ØD1	ØY	SW	Z	
DN8	1/4"	10.0	64.8	10.0	132.8	62.7	8.6	6.7	0.5	29.5	36.0	6.5	25.0	14.1	9.5	29.5	M5x0.8
DN10	3/8"	10.0	64.8	10.0	132.8	62.7	8.6	6.7	0.5	29.5	36.0	6.5	25.0	17.6	9.5	29.5	M5x0.8
DN15	1/2"	15.0	72.5	10.0	132.8	69.0	16.5	8.0	2.0	30.0	36.0	6.5	25.0	21.7	9.5	30.0	M5x0.8
DN20	3/4"	20.0	85.4	13.0	132.8	73.5	17.8	8.8	2.0	36.0	36.0	6.5	25.0	27.3	9.5	36.0	M5x0.8
DN25	1"	25.4	105.3	13.0	171.8	81.9	25.3	12.0	2.0	44.5	42.0	8.0	30.0	33.9	11.1	44.5	M5x0.8
DN32	1-1/4"	32.0	111.0	13.0	171.8	86.9	26.0	11.7	2.0	54.0	42.0	8.0	30.0	42.8	11.1	54.0	M5x0.8
DN40	1-1/2"	38.0	127.3	13.0	204.2	97.5	31.7	15.0	2.2	60.0	50.0	9.7	35.0	48.7	14.2	60.0	M6x1.0
DN50	2"	50.8	145.2	16.0	212.0	127.0	28.7	15.4	1.8	73.0	70.0	12.0	55.0	61.1	19.0	73.0	M8x1.25

DIMENSIONS																	unit:inch
SIZE	PORT	L	L2	E	H	H1	H2	h	W	ØK	C	ØD	ØD1	ØY	SW	Z	
DN8	1/4"	0.39	2.55	0.39	5.23	2.47	0.34	0.26	0.02	1.16	1.42	0.26	0.98	0.56	0.37	1.16	M5x0.8
DN10	3/8"	0.39	2.55	0.39	5.23	2.47	0.34	0.26	0.02	1.16	1.42	0.26	0.98	0.69	0.37	1.16	M5x0.8
DN15	1/2"	0.59	2.85	0.39	5.23	2.72	0.65	0.31	0.08	1.18	1.42	0.26	0.98	0.85	0.37	1.18	M5x0.8
DN20	3/4"	0.79	3.36	0.51	5.23	2.89	0.70	0.35	0.08	1.42	1.42	0.26	0.98	1.07	0.37	1.42	M5x0.8
DN25	1"	1.00	4.15	0.51	6.76	3.22	1.00	0.47	0.08	1.75	1.65	0.31	1.18	1.33	0.44	1.75	M5x0.8
DN32	1-1/4"	1.26	4.37	0.51	6.76	3.42	1.02	0.46	0.08	2.13	1.65	0.31	1.18	1.69	0.44	2.13	M5x0.8
DN40	1-1/2"	1.50	5.01	0.51	8.04	3.84	1.25	0.59	0.09	2.36	1.97	0.38	1.38	1.92	0.56	2.36	M6x1.0
DN50	2"	2.00	5.72	0.63	8.35	5.00	1.13	0.61	0.07	2.87	2.76	0.47	2.17	2.41	0.75	2.87	M8x1.25

