



# Three Piece High Pressure Socket weld end Ball Valve, Full Bore, Class 2500

**Fig No. V-L55S Full Bore**  
**1/2" ~ 2" DN15 ~ 50**

**Features :**

Three piece body design  
Forged body, Blow-out-proof Stem  
For Industrial, chemical application  
Carbon Steel & Super Alloy upon request

**Standard Compliance :**

Body wall thickness : EN 12516-1/3  
Socket end : B16.11  
Face to Face : MFG standard  
Body Material : ASTM A105N  
Pressure Testing : EN12266

**Specification**

End Connection : Socket weld  
Working Pressure : 420 Bar ( RT )  
Temperature : -20 ~ 180<sup>0</sup> C

**MATERIALS LIST**

NO.	PART NAME	MATERIAL
1	BODY	ASTM A105
4	BALL	ASTM A182 Gr.F316 +CHROMEPLATED
5	STEM	ASTM A693 TYPE 630(17-4PH)
9	END CAP	ASTM A105
11	BODY SEAL	GRAPHITE
12	SEAT	PEEK
13	THRUST WASHER	GRAPHITE
14	STEM PACKING	GRAPHITE
15	GLAND	SS316
19	HANDLE	ASTM A216 Gr.WCB+GALVANIZATION
24	HANDLE NUT	ASTM A194 Gr.8
26	SPRING	COLD WORKED 316
29	BELLEVILLE WASHER	SS316
31	O-RING	VITON
42	GLAND BOLT	ASTM A193 Gr.B8
47	GLAND FLANGE	SS304

**DIMENSIONS**

SIZE	PORT	L	L2	E	H	SW
DN15	1/2"	12.7	112.0	10.0	165.0	21.8
DN20	3/4"	19.0	136.0	13.0	205.0	27.2
DN25	1"	25.4	152.0	13.0	205.0	33.9
DN32	1-1/4"	32.0	188.0	13.0	255.0	42.7
DN40	1-1/2"	38.0	188.0	13.0	255.0	48.8
DN50	2"	50.8	210.0	16.0	315.0	61.2

unit:mm

