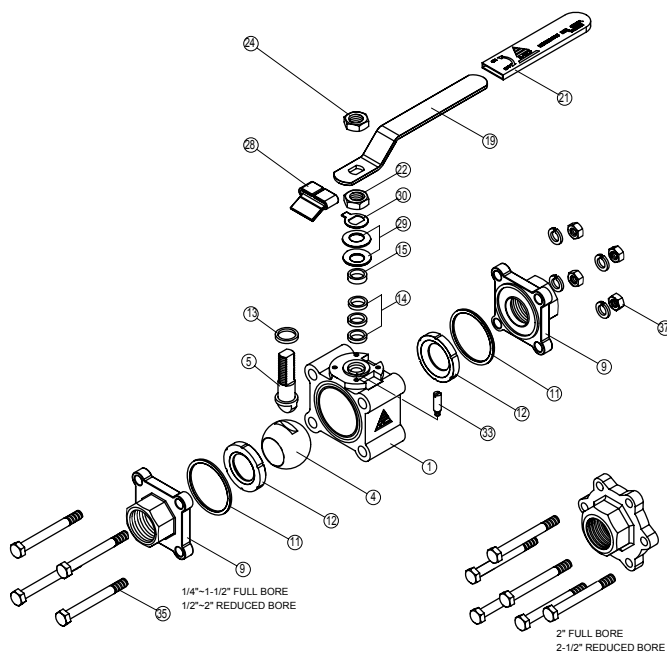




## Three Piece Ball Valves, Full Bore, 2000/1500 psi Hastelloy Alloy Material

Fig No: V-255 Full Bore  
1/4" ~ 2" DN8 ~ DN50



### APPLICABLE STANDARDS

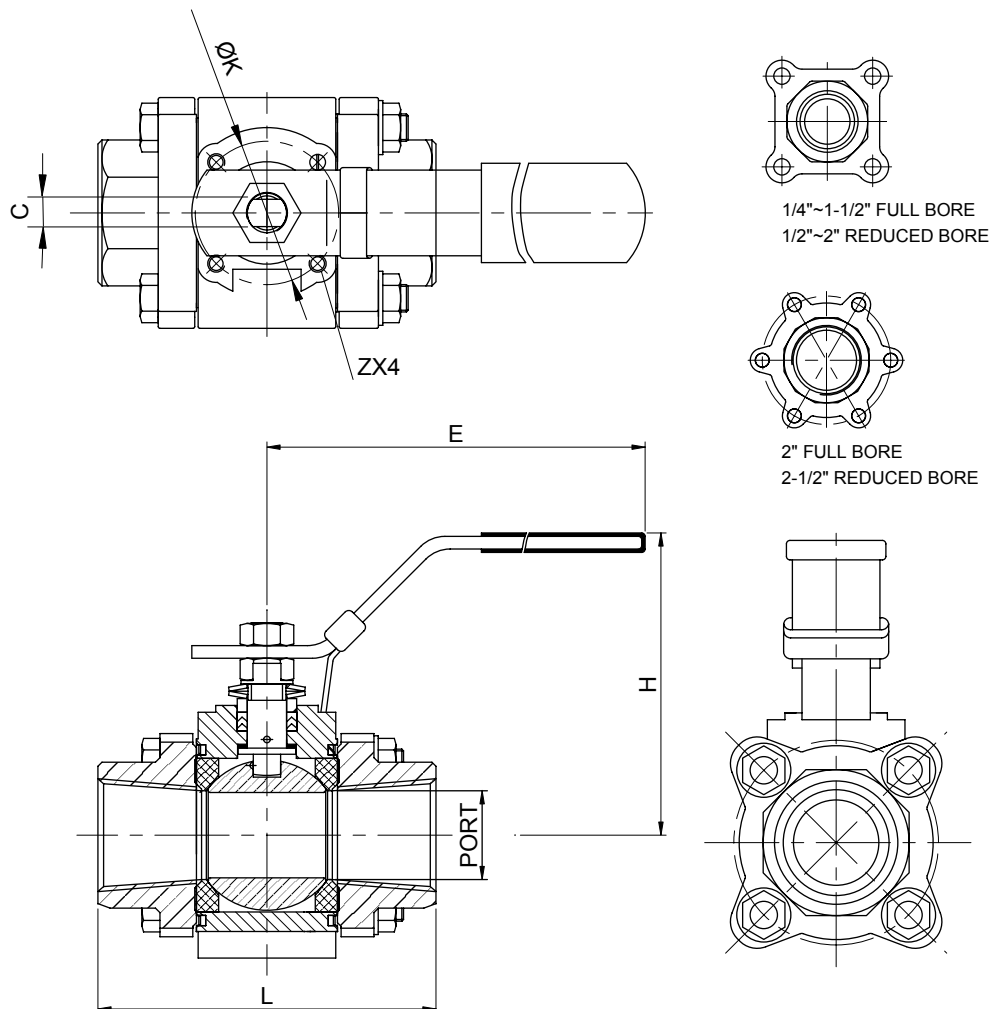
|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| Body Wall Thickness         | ASME B16.34                                            |
| Socket-weld Ends            | ASME B16.11                                            |
| Threaded Ends               | ANSI B1.20.1<br>BS 21<br>DIN 2999<br>ISO 228<br>ISO7-1 |
| Butt-weld Ends              | ASME B16.25                                            |
| End to End                  | Mfg. Std.                                              |
| Material                    | ASTM                                                   |
| Pressure-Temperature Rating | ASME B16.34                                            |
| Pressure Testing            | API 598                                                |

### MATERIALS LIST

| NO. | PART NAME         | MATERIAL                                                                                                  |
|-----|-------------------|-----------------------------------------------------------------------------------------------------------|
| 1   | BODY              | ASTM A494 Gr. CW-6M<br>ASTM A494 Gr. CW-12MW ( 2.4686 GNiMo17Cr )<br>ASTM A494 Gr. N-7M ( 2.4617 NiMo28 ) |
| 4   | BALL              | ASTM A494 Gr. CW-6M<br>ASTM A494 Gr. CW-12MW ( 2.4686 GNiMo17Cr )<br>ASTM A494 Gr. N-7M ( 2.4617 NiMo28 ) |
| 9   | END CAP           | ASTM A494 Gr. CW-6M<br>ASTM A494 Gr. CW-12MW ( 2.4686 GNiMo17Cr )<br>ASTM A494 Gr. N-7M ( 2.4617 NiMo28 ) |
| 11  | BODY SEAL         | PTFE                                                                                                      |
| 5   | STEM              | ASTM A494 Gr. CW-6M<br>ASTM A494 Gr. CW-12MW ( 2.4686 GNiMo17Cr )<br>ASTM A494 Gr. N-7M ( 2.4617 NiMo28 ) |
| 32  | FOLLOWER          | SS304                                                                                                     |
| 14  | STEM PACKING      | MG1241                                                                                                    |
| 19  | HANDLE            | SS304                                                                                                     |
| 12  | SEAT              | PTFE.<br>RTFE. (PTFE.+15%GF)<br>PEEK.<br>Delrin<br>50% S.S. + 50% PTFE.                                   |
| 13  | THRUST WASHER     | PTFE<br>PEEK.                                                                                             |
| 21  | HANDLE COVER      | PLASTIC                                                                                                   |
| 24  | HANDLE NUT        | SS304                                                                                                     |
| 28  | LOCKING PAD       | SS304                                                                                                     |
| 22  | STEM NUT          | SS304                                                                                                     |
| 30  | TAB WASER         | SS304                                                                                                     |
| 37  | BOLT NUT          | SS304                                                                                                     |
| 35  | BOLT              | SS304                                                                                                     |
| 29  | BELLEVILLE WASHER | SS301                                                                                                     |
| 33  | STOP PIN          | SS304                                                                                                     |
| 36  | BOLT WASHER       | SS304                                                                                                     |

\*Further information for fire safe type, please kindly contact us.

**Fig No: V-255 Full Bore**  
**1/4" ~ 2" DN8 ~ DN50**



## DIMENSIONS

unit:mm

| SIZE   | PORT | L     | E     | H     | C   | ØK          | Z  |
|--------|------|-------|-------|-------|-----|-------------|----|
| 1/4"   | 10.0 | 64.8  | 134.0 | 64.0  | 6.5 | F03<br>36.0 | M5 |
| 3/8"   | 10.0 | 64.8  | 134.0 | 64.0  | 6.5 | F03<br>36.0 | M5 |
| 1/2"   | 15.0 | 72.5  | 134.0 | 72.0  | 6.5 | F03<br>36.0 | M5 |
| 3/4"   | 20.0 | 85.4  | 134.0 | 76.4  | 6.5 | F03<br>36.0 | M5 |
| 1"     | 25.0 | 105.3 | 170.0 | 83.0  | 8.0 | F04<br>42.0 | M5 |
| 1-1/4" | 32.0 | 111.0 | 170.0 | 88.0  | 8.0 | F04<br>42.0 | M5 |
| 1-1/2" | 38.0 | 127.3 | 207.0 | 104.2 | 9.7 | F05<br>50.0 | M6 |
| 2"     | 50.0 | 145.0 | 215.0 | 133.0 | 9.7 | F05<br>50.0 | M6 |

PS: 1/4"~1" 2000 WOG BALL VALVE    1-1/4"~2" 1500 WOG BALL VALVE