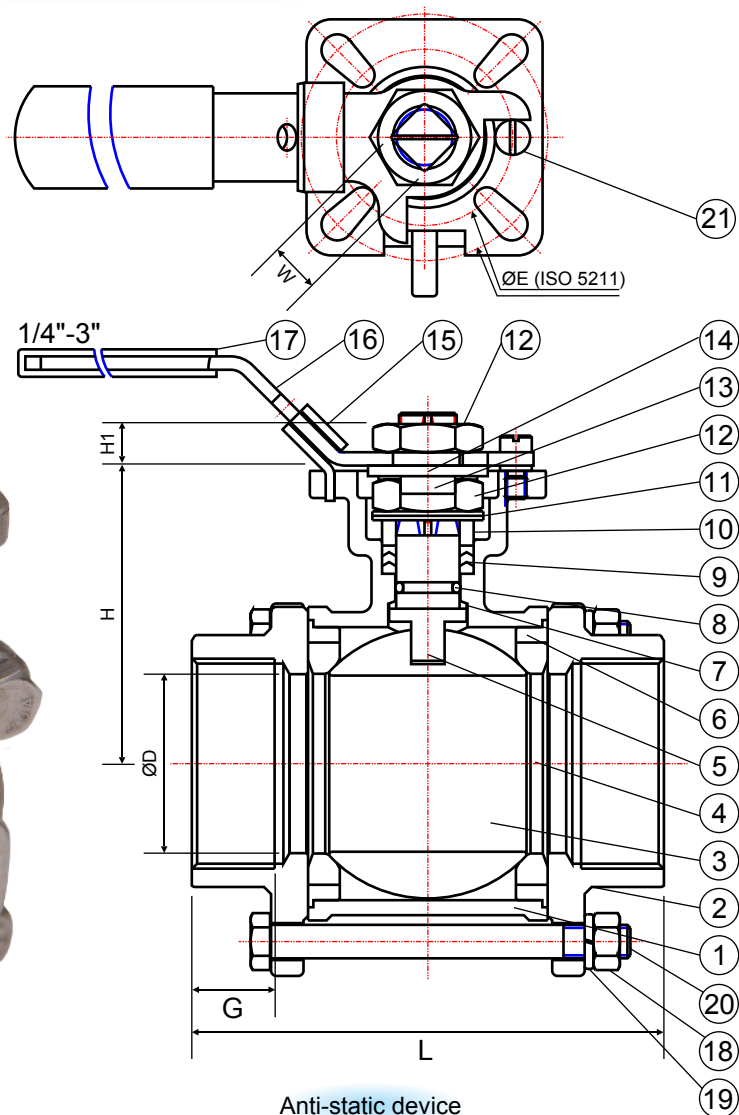
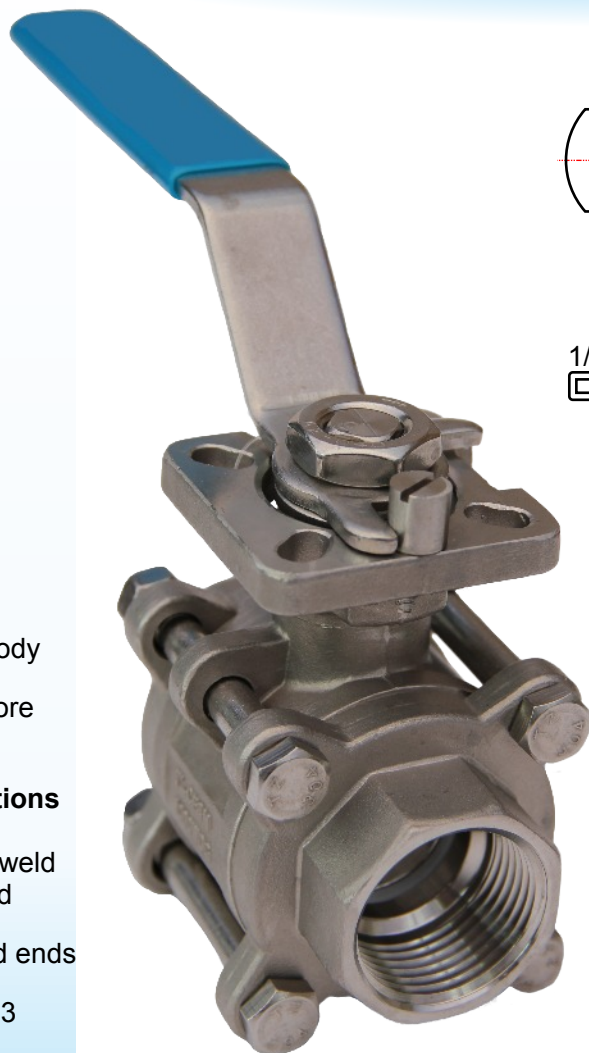


TC143C

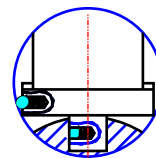
# 3 Piece Direct Mount Full Bore Ball Valve



## Materials

| No. | Part Name      | Material |
|-----|----------------|----------|
| 1   | Body           | CF8M     |
| 2   | Cap            | CF8M     |
| 3   | Ball           | CF8M     |
| 4   | Seat           | PTFE     |
| 5   | Stem           | SUS316   |
| 6   | Gasket         | PTFE     |
| 7   | Thrust Washer  | TFM4215  |
| 8   | O-Ring         | Viton    |
| 9   | Packing        | PTFE     |
| 10  | Gland          | SUS304   |
| 11  | Spring Washer  | SUS304   |
| 12  | Stem Nut       | SUS304   |
| 13  | Stop Washer    | SUS304   |
| 14  | Handle Washer  | SUS304   |
| 15  | Locking Device | SUS304   |
| 16  | Handle         | SUS304   |
| 17  | Plastic Cover  | Plastic  |
| 18  | Hex Nut        | SUS304   |
| 19  | Bolt Washer    | SUS304   |
| 20  | Joint Bolt     | SUS304   |
| 21  | Stop Pin       | SUS304   |

Anti-static device



Dimensions (mm)

| Size |        | D    | G    | L   | H     | H1 | W  | E        | Cv   | Torques |
|------|--------|------|------|-----|-------|----|----|----------|------|---------|
| DN   | NPS    |      |      |     |       |    |    | ISO 5211 |      | Nm      |
| 8    | 1/4"   | 11.6 | 13   | 63  | 42.5  | 9  | 9  | F03-F04  | 20   | 5       |
| 10   | 3/8"   | 12.7 | 13   | 63  | 42.5  | 9  | 9  | F03-F04  | 25   | 5       |
| 15   | 1/2"   | 15   | 13.5 | 63  | 42.5  | 9  | 9  | F03-F04  | 36   | 5       |
| 20   | 3/4"   | 20   | 16   | 73  | 45.5  | 9  | 9  | F03-F04  | 67   | 8       |
| 25   | 1"     | 25   | 17   | 85  | 56    | 11 | 11 | F04-F05  | 110  | 14      |
| 32   | 1 1/4" | 32   | 19   | 96  | 60.5  | 11 | 11 | F04-F05  | 185  | 20      |
| 40   | 1 1/2" | 38   | 19   | 114 | 76    | 14 | 14 | F05-F07  | 266  | 25      |
| 50   | 2"     | 50   | 23.5 | 134 | 83    | 14 | 14 | F05-F07  | 485  | 38      |
| 65   | 2 1/2" | 65   | 32   | 180 | 108   | 17 | 17 | F07-F10  | 840  | 60      |
| 80   | 3"     | 80   | 39   | 200 | 117.5 | 17 | 17 | F07-F10  | 1275 | 70      |
| 100  | 4"     | 100  | 33   | 228 | 140   | 22 | 22 | F10-F12  | 2000 | 110     |

Torques are exclusive of safety factor  
Dimensions are subject to change without notice

## Specification

- Investment cast body
- Floating ball full bore design

## End Connector Options

- TC146C - Socket weld
- TC149C - Buttweld
- TC143C Threaded ends
  - BSPT: JIS B 0203
  - BSPP: BS 21
  - NPT: ASME B1.20.1

- Blowout proof stem design
- Anti-static device
- Cavity pressure equalising hole
- Locking device
- Inspection/test to API598/En12266
- Direct mount ISO 5211 Mount pad
- 1000 psi W.O.G.

## Seat Options

- Glass filled PTFE
- Carbon filled PTFE
- TFM 1600
- S/S 50% 304+ PTFE
- TFM 4215



Subject to change



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