

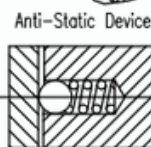
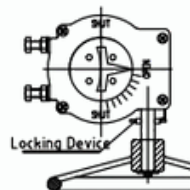
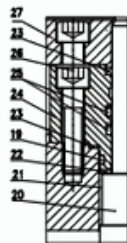
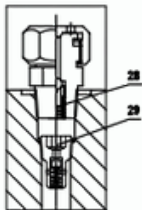
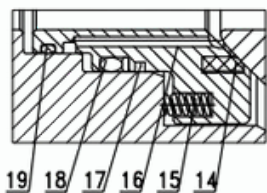
I SPE SEAT

A-A

II

P VIEW

36



**BILL OF MATERIALS**

| NO. | PARTS NAME            | MATERIAL              | NO. | PARTS NAME        | MATERIAL           |
|-----|-----------------------|-----------------------|-----|-------------------|--------------------|
| 1   | BODY STUD             | ASTM A320 L7M+Zn      | 18  | STEM              | ASTM A182 F51      |
| 2   | BODY NUT              | ASTM A194 7M+Zn       | 19  | BEARING           | C.S.+PTFE          |
| 3   | BONNET                | ASTM A350 LF2 CL.1    | 20  | WASHER            | C.S.+PTFE          |
| 4   | GASKET                | GRAPHITE+316S.S.      | 21  | GASKET            | GRAPHITE           |
| 5   | BODY O-RING           | VITON-GLT-AED         | 22  | Supporting Feet   | C.S                |
| 6   | PIN                   | ASTM A29-1045         | 23  | PACKING BOX       | ASTM A350 LF2 CL.1 |
| 7   | TRUNNION SHAFT        | ASTM A350 LF2 CL.1    | 24  | STEM O-RING       | VITON-AED+PTFE     |
| 8   | BODY                  | ASTM A350 LF2 CL.1    | 25  | BOLT              | ASTM A320 L7M+Zn   |
| 9   | BALL                  | ASTM A182 F51         | 26  | TOP FLANGE        | ASTM A350 LF2 CL.1 |
| 10  | DRAIN                 | SS316                 | 27  | Gasket            | Graphite           |
| 10  | BEARING               | C.S.+PTFE             | 28  | Gear Box          | ASSEMBLY           |
| 11  | WASHER                | C.S.+PTFE             | 29  | KEY               | A29-1045           |
| 12  | SEAT INSERT           | PEEK                  | 30  | ALIGNMENT PIN     | C.S                |
| 13  | SEAT SPRING           | INCONEL X-750         | 31  | ANTISTATIC DEVICE | S.S.316            |
| 14  | SEAT RING             | ASTM A182 F51         | 32  | Stem Injection    | S.S.316            |
| 15  | SEAT FIRESAFE PACKING | CARBON FIBRE GRAPHITE | 33  | Seat Injection    | S.S.316            |
| 16  | SEAT O-RING           | VITON-AED-AED         | 34  | Lifting Lugs      | C.S                |
| 17  | O-RING                | VITON-AED             | 35  | VENT              | S.S.316            |

**PERFORMANCE STANDARDS**

| NOMINAL CL (PN)                | 1500LB                        |          | STANDARD                            |
|--------------------------------|-------------------------------|----------|-------------------------------------|
| SHELL TEST PRESSURE            | 37.5 MPa                      | 5440 Psi | API 598 with API 6D (Test duration) |
| SEAL TEST PRESSURE             | 27.5 MPa                      | 3999 Psi | API 598                             |
| AIR TEST PRESSURE              | 0.6 MPa                       | 87 Psi   | API 598 & ASME B16.34               |
| TEMPERATURE RANGE              | -46 to +260 °C                |          | -50 to 500 °F                       |
| SUITABLE MEDIUM                | WATER/OIL/NATURAL GAS ETC     |          |                                     |
| FUGITIVE EMISSIONS(FE) TESTING | ISO 15848-2                   |          |                                     |
| JET FUEL COMPLIANCE            | Suitable for Jet Fuel service |          |                                     |

**DESIGN STANDARDS**

|                        |  |                         |                                  |
|------------------------|--|-------------------------|----------------------------------|
| PRESSURE RATING        | ANSI Class 1500  | VALVE TYPE              | TRUNNION MOUNTED                 |
| DESIGN                 | API 6D   | FIRESAFE                | API 607                          |
| FACE TO FACE DIMENSION | ASME B16.10  | TEST & INSPECTION       | API 6D                           |
| END CONNECTION         | ASME B16.5-RTJ   | MARKING                 | MSS SP-25                        |
| ISO MOUNT              | 5211 TOP FLANGE  | NACE                    | MR 01-75 (Internal Wetted parts) |
| CERTIFICATION          | EN10204, Type 3.1  | MIN BODY WALL THICKNESS | ASME B16.34                      |
| PAINT                  | SA 2.1/2 BLASTING, EPOXY PRIMER + POLYURETHANE TOP COAT, DFT 150µm, RAL 7035 |                         |                                  |

**DESCRIPTION**

150MM CLASS 1500# TRUNNION BALL VALVE, A350 LF2 CL.1 FORGED BODY, FULL PORT, 3-PIECE, DBB, SPE SEATS, RTJ ENDS, F51 BALL, F316 SEAT RING, PEEK INSERT, 17-4 PH STEM, SINGLE PISTON EFFECT, VITON B AED SEALS, GRAPHITE GASKET, INCONEL X-750 SPRINGS, A320 L7M BOLTS (HDG), 316 SS VENT/DRAIN, LOCKABLE GEAR OPERATED.

| SIZE      | A   | B    | C   | D (MIN) | E     | F    | REF W | REF H | L   | N-ØF     | FLANGE GROOVE | BREAK TORQUE NO SAFETY(NM) | PRODUCT CODE          |
|-----------|-----|------|-----|---------|-------|------|-------|-------|-----|----------|---------------|----------------------------|-----------------------|
| 6"-1500LB | 394 | 82.6 | 248 | 144     | 317.5 | 9.52 | 500   | 480   | 711 | 12-Ø38.1 | R46           | 3100                       | BFT3L150XADVJFNG6D150 |