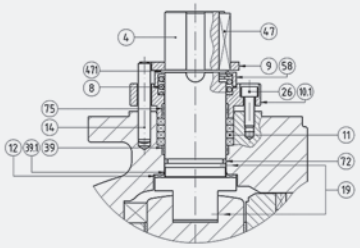
| BALL VALVES |

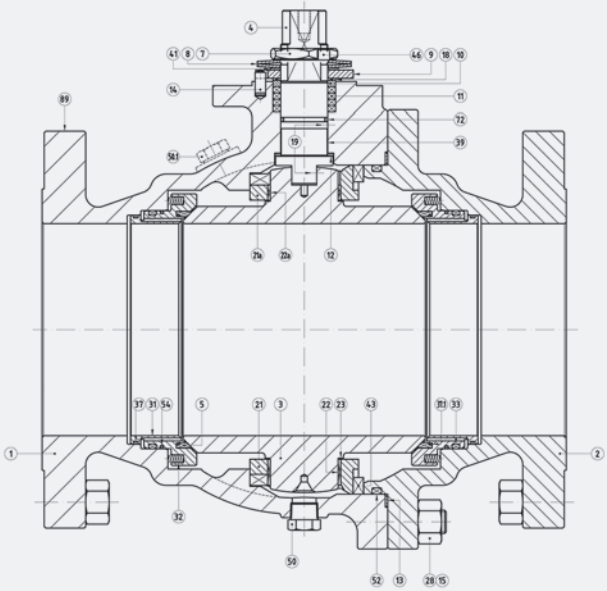
# 2-PIECE CAST TRUNNION MOUNTED CAST TRUNNION

## 2" - 16" | Class 150 - Class 600

## Materials CAST TRUNNION

| Item | Description | AIT | IIT |
|---|---|---|---|
| 1 | Body | A 216 Gr. WCB (C ≤ 0.25%) | A 351 Gr. CF8M |
| 2 | Body connector | A 216 Gr. WCB (C ≤ 0.25%) | A 351 Gr. CF8M |
| 3 | Ball | A 351 Gr. CF8M | |
| 4 | Stem | A 479 Tp.316 | |
| 5 | Seat ring | RPTFE, PTFE, DEVLON | |
| 7 | Gland nut | Zinc Plated Carbon Steel | AISI-303 |
| 8 | Disk spring / Spring | Carbon St. * | E.N.P. Carbon St. * |
| 9 | Stop plate | Carbon St. | AISI-304 |
| 10 | Gland ring | AISI-303 | AISI-316 |
| 10.1 | Gland | AISI-303 | AISI-316 |
| 11 | Gland packing | Graphite | |
| 12 | Stem thrust seal | 25% G.F. PTFE | |
| 13 | Body connector seal | AISI-316L + Graphite | |
| 14 | Stop pin | Carbon St. | Stainless St. |
| 15 | Stud | A 193 Gr. B7M Zinc dichromate | A 193 Gr. B8M ** |
| 18 | Thrust washer | 25% G.F. PTFE | |
| 19 | Antistatic device | Stainless St. | |
| 21 / 21a | Ball trunnion | A 351 Gr. CF8M | |
| 22 / 22a | Trunnion bearing | AISI-316 + PTFE | |
| 23 | Bearing | PTFE | |
| 26 | Bolt | DIN 912 8.8 Zinc Plated | DIN 912 A2 |
| 28 | Nut | A 194 Gr. 2HM Zinc dichromate | A 194 Gr. 8M ** |
| 31 | Seat Carrier | A 351 Gr. CF8M | |
| 32 | Spring | Inconel - 750 | |
| 33 | O' Ring | FKM -- Note 1 -- | |
| 35 | Spring carrier | A 351 Gr. CF8M | |
| 37 | O' Ring | FKM -- Note 1 -- | |
| 39 | Stem bushing | 25% G.F. PTFE | |
| 39.1 | Stem bushing | AISI-316 + PTFE -- Note 2 -- | |
| 41 | Spacer | Carbon St. | Stainless St. |
| 43 | Key | AISI-316 | |
| 46 | Locking washer | AISI-304 | |
| 47 | Key | Carbon St. | |
| 50 | Drain plug | A 105 | AISI-316 |
| 50.1 | Vent plug | A 105 | AISI-316 |
| 52 | O' Ring | FKM -- Note 2 -- | |
| 54 | Seat carrier seal | Graphite | |
| 58 | Spring protection | Carbon St. | Stainless St. |
| 72 | O' Ring | FKM -- Note 1 -- | |
| 75 | Stem bushing | AISI-316 + PTFE -- Note 2 -- | |
| 89 | Identification plate | Stainless St. | |
| 471 | Retainer | Carbon St. | Stainless St. |



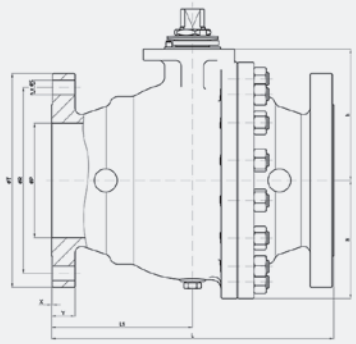


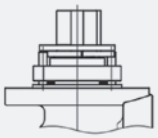
(*) On request Inconel X-750.
(**) On request B7M / 2HM Zinc Plated & Bichromated.
Note 1: Depending on design conditions AFLAS, KALREZ or KALREZ Spectrum.
Note 2: Only DN-350 & 400 and all Fig.2560.

# CAST BALL VALVES 2515 / 2530 / 2560

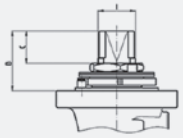
**Class 150 / 300 / 600** | **Full Bore**

Class 150. From 2" to 16" | Class 300. From 2" to 16" | Class 600. From 2" to 12"

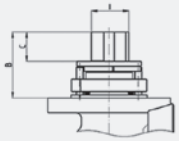


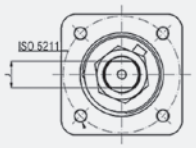


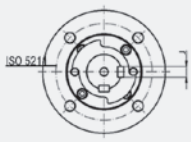
DN 50 (2") to DN-250 (10") Class-150 & 300
DN-50 (2") to DN-100 (4") Class-600



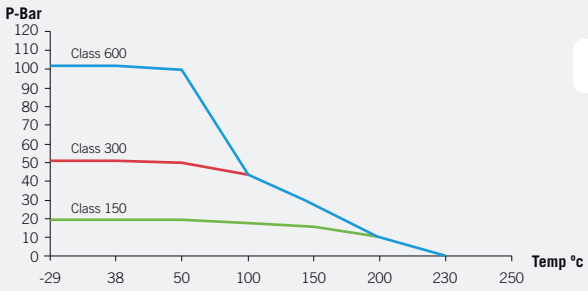
DN 300 (12") to DN-400 (16") Class-150 & 300
DN-150 (6") to DN-300 (12") Class-500






## Pressure - Temperature




**PTFE SEAT**

(*) Dimensions of diameters of drills ISO 5211 refer to table from page 60.

## Fig. 2515 (Class 150)

| DN | øP | L | L1 | øR | n x øS | øT | h | N | ISO 5211 | B | C | I | J | K | WEIGHT | TORQUE | Kv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 (2") | 50 | 178 | 78.5 | 120,7 | 4x19 | 150 | 84 | 80 | F07 | 42 | 17 | M22x1,5 | 16 | - | 13 | 70 | 366 |
| 80 (3") | 80 | 203 | 87 | 152,4 | 4x19 | 190 | 126 | - | F10 | 55 | 27 | M28x1,5 | 20 | - | 22 | 130 | 938 |
| 100 (4") | 100 | 229 | 101 | 190,5 | 8x19 | 230 | 152 | 120 | F12 | 56 | 27 | M35x2 | 25 | - | 39 | 190 | 1.465 |
| 150 (6") | 151 | 394 | 197 | 241,3 | 8x22,2 | 280 | 212 | 168 | F14 | 70 | 36 | M45x2 | 32 | - | 98 | 460 | 3.297 |
| 200 (8") | 203 | 457 | 230 | 298,5 | 8x22,2 | 345 | 233 | 208 | F14 | 70 | 37 | M45x2 | 32 | - | 124 | 610 | 5.861 |
| 250 (10") | 254 | 533 | 267 | 362 | 12x25,4 | 405 | 256 | 243 | F14 | 70 | 37 | M45x2 | 32 | - | 175 | 660 | 9.454 |
| 300 (12") | 305 | 610 | 305 | 431,8 | 12x25,4 | 485 | 297 | 287,5 | F14 | 106 | 58 | Ø50 | 14 | 53,5 | 295 | 1.317 | 13.631 |
| 350 (14") | 337 | 686 | 343 | 476,3 | 12x28,5 | 535 | 333 | 323 | F16 | 103 | 49 | Ø60 | 18 | 64,2 | 580 | 2.605 | 16.641 |
| 400 (16") | 388 | 762 | 381 | 539,8 | 16x28,5 | 595 | 412 | 358 | F25 | 159 | 103 | Ø90 | 25 | 95,3 | 750 | 2.948 | 23.554 |

## Fig. 2530 (Class 300)

| DN | øP | L | L1 | øR | n x øS | øT | h | N | ISO 5211 | B | C | I | J | K | WEIGHT | TORQUE | Kv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 (2") | 50 | 216 | 84 | 127 | 8x19 | 165 | 84 | - | F07 | 42 | 17 | M22x1,5 | 16 | - | 16 | 80 | 366 |
| 80 (3") | 80 | 283 | 115 | 168.3 | 8x22,2 | 210 | 126 | - | F10 | 55 | 27 | M28x1,5 | 20 | - | 33 | 140 | 938 |
| 100 (4") | 100 | 305 | 133 | 200 | 8x22,2 | 255 | 152 | - | F12 | 56 | 27 | M35x2 | 25 | - | 43 | 240 | 1.465 |
| 150 (6") | 151 | 403 | 202 | 269,9 | 12x22,2 | 320 | 212 | 173 | F14 | 70 | 36 | M45x2 | 32 | - | 113 | 598 | 3.297 |
| 200 (8") | 203 | 502 | 252 | 330,2 | 12x25,4 | 380 | 233 | 210 | F14 | 70 | 37 | M45x2 | 32 | - | 157 | 1.400 | 5.861 |
| 250 (10") | 254 | 568 | 284 | 387,4 | 16x28,5 | 445 | 257 | 253 | F14 | 70 | 37 | M45x2 | 32 | - | 263 | 1.604 | 9.454 |
| 300 (12") | 305 | 648 | 315 | 450,8 | 16x31,8 | 520 | 310 | 300 | F16 | 103 | 49 | Ø60 | 18 | 64,2 | 480 | 2.310 | 13.631 |
| 350 (14") | 337 | 762 | 381 | 514,4 | 20x34,9 | 585 | 333 | 331 | F16 | 103 | 49 | Ø60 | 18 | 64,2 | 655 | 3.642 | 16.641 |
| 400 (16") | 388 | 838 | 419 | 571,5 | 20x34,9 | 650 | 412 | 365 | F25 | 159 | 103 | Ø90 | 25 | 95,3 | 890 | 3.900 | 23.554 |

## Fig. 2560 (Class 600)

| DN | øP | L | L1 | øR | n x øS | øT | h | N | ISO 5211 | B | C | I | J | K | WEIGHT | TORQUE | Kv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 (2") | 50 | 292 | 96 | 127 | 8x19,1 | 165 | 84 | - | F07 | 42 | 17 | M22x1,5 | 16 | - | 20 | 90 | 366 |
| 80 (3") | 80 | 356 | 140 | 168,3 | 8x22,2 | 210 | 126 | 113 | F10 | 55 | 27 | M28x1,5 | 20 | - | 41 | 170 | 938 |
| 100 (4") | 100 | 432 | 160 | 215,9 | 8x25,2 | 275 | 152 | - | F12 | 56 | 27 | M35x2 | 25 | - | 77 | 392 | 1.465 |
| 150 (6") | 151 | 559 | 246 | 292,1 | 12x28,5 | 355 | 212 | 188 | F14 | 97 | 49 | Ø45 | 14 | 48.5 | 192 | 1.007 | 3.297 |
| 200 (8") | 203 | 660 | 315 | 349,2 | 12x31,8 | 420 | 237 | 235 | F14 | 113 | 64 | Ø50 | 14 | 53.5 | 329 | 2.057 | 5.861 |
| 250 (10") | 254 | 787 | 340 | 431,8 | 16x34,9 | 510 | 275 | 273 | F16 | 103 | 49 | Ø60 | 18 | 64.2 | 460 | 3.013 | 9.454 |
| 300 (12") | 305 | 838 | 404 | 489 | 20x34,9 | 560 | 345 | 335 | F16 | 127 | 73 | Ø65 | 18 | 69.2 | 570 | 5.500 | 13.631 |

Dimensions in mm, weight in kg and Torque in Nm.
Weights and dimensions can be changed without notice.