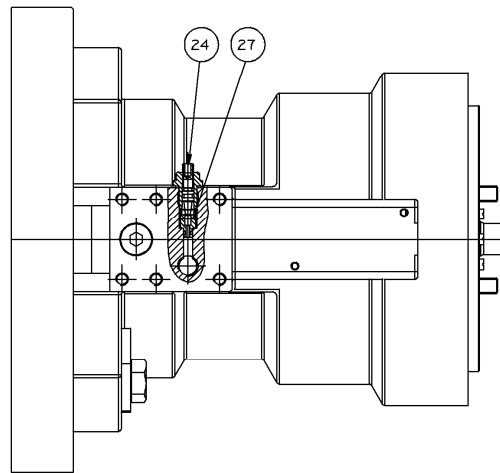


Must be coated with standard bearing grease recommended for -40F.

Torque 180 Nm (133 ft-lb)

Torque 300 Nm (221 ft-lbs)

Must be coated with standard bearing grease recommended for -40F.



NOTE: This assembly used for items: - VA000-118-68
- VA000-103-03

SH 18.0
VA000-103-04

| BILL OF MATERIALS AND SPARE PARTS LIST FOR SH 18.0 | | | SH Series Actuator |
|--|-------------------|--|--------------------|
| Bill of Material no.: VA000-103-04 | | | Page 1 of 1 |
| Notes: Order all items with a listed material number as spare parts. When ordering spare parts, please state material number. | | | |
| Reference Drawing: VA000-103-04 | | | |
| Balloon Number | Material | Description/Compound | Quan. |
| 1 | GGG 40 Duct. Iron | HOUSING BRC 4000 | 1 |
| 2 | GGG 40 Duct. Iron | Piston BRC 4000 | 1 |
| 3 | 160N0613 | Top Cover BRC 4000 | 1 |
| 4 | 160N0791 | Pos. Shaft BRC 4000 (X5CrNiMo17 12 2) | 1 |
| 5 | 160N0792 | Splined Shaft BRC 4000 B1 OVAKO 520M | 1 |
| 6 | 160N0617 | Bottom Cover BRC 4000 (GGG40) | 1 |
| 7 | 160N0843 | Shaft Seal Cover BRC 1000-2000-4000-8000-16000 (X5CRNiMo17 13 3) | 1 |
| 9 | Buna-N | X-Ring -212 70 Duro. | 3 |
| 10 | Buna-N | X-Ring -245 70 Duro. | 10 |
| 11 | Buna-N | X-Ring -355 70 Duro. | 10 |
| 12 | Buna-N | X-Ring -357 70 Duro. | 2 |
| 13 | Buna-N | O-Ring .875 ID x .094 479-70 | 1 |
| 14 | Buna-N | O-Ring 568-212 479-70 | 1 |
| 15 | Buna-N | O-Ring 6.496 X .0.79 479-70 | 1 |
| 16 | Buna | O-Ring 568-162 479-70 | 1 |
| 17 | 251-1531 | Screw M4 X 16 (X5CrNiMo18 12) | 3 |
| 18 | 267-0014 | Snap Ring External Ø17 | 1 |
| 19 | 390-0018 | Thrust Bearing Ø110 (USt.13) | 1 |
| 20 | 390-0118 | Thrust Washer Ø110 (100Cr6) | 2 |
| | | | 2 |
| 24 | 160G2280 | Stop Valve Ø4 | 1 |
| | | | 1 |
| 27 | 160N1049 | Valve Seat | 1 |
| 28 | 160G5044 | Plug 3/8 Inch WG | 1 |
| 29 | 160B4504 | Yoke F. DPI BRC 4000, L=42.50 | 1 |
| | | | 2 |
| 32 | 160N0620 | Bearing for Angle Adjustment BRC 4000 | 1 |
| 33 | 160N0621 | Banana Washer BRC 4000 | 6 |
| 34 | 160N0622 Teflon® | Bearing Strip | 1 |
| 35 | Buna-N | O-Ring 568-162 479-70 | 1 |
| 36 | 251-2176 | Screw M16 X 60 | 6 |
| 37 | 251-8299 | Screw M16 X 60 | 2 |
| 38 | 271-2418 | Cylinder Pin 012 X 40 | 1 |
| 39 | 160N0619 | Adapter BRC 4000 | 1 |
| 40 | 160N0648 | Flange Adapter BRC4000 | 1 |