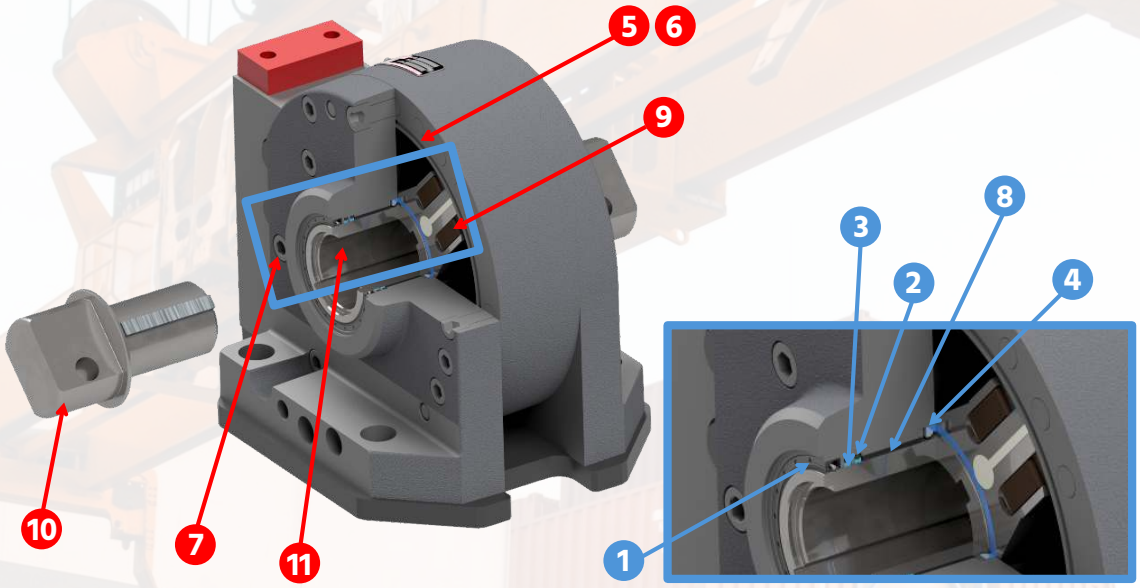
STOP REBUILDING YOUR ACTUATORS
UPGRADE THEM FOR LONGER LIFE



WE'VE IMPROVED THE SB18 AND SB18.2
HERE'S HOW WE DID IT:

MADE IN USA
Designed and
Manufactured in USA

1. **Excluder seal**
   - New additional seal for advanced corrosion and contamination ingress protection
   - Multiple compartments and grease layers
   - Spring energized eliminates compression set for constant sealing force
2. **Advanced Hydraulic Pressure Seal**
   - Longer Life due to high wear material with less frictional heat and wear.
   - Modern slipper seal design specifically for reciprocating rotation
3. **Back-up sealing protection**
   - New additional seal in middle for back-up protection to pressure seal and excluder seal
4. **Increased shoulder seal force**
   - x2 double wavy springs on shoulder seal vs 1
   - Reduces internal bypass, providing stiffer flipper arm
5. **Higher durometer head seal (90A vs 70A)**
   - Increases blow out resistance from pressure spikes
6. **Head seal in body vs head**
   - Reduces service reassembly pinching of seals
7. **Steel jack screw thread covers**
   - More robust and do not strip out like plastic

   Flush mounting bolt heads (Not shown in diagram)
   - Severe impact damage doesn't 'cave in' the hole and cover up the head of the bolt preventing disassembly
8. **Radial loading protection**
   - Journal bearing with PTFE linings pressed into heads
   - Eliminates galling and scoring of shaft and head journals due to high radial loading.
   - Extends seal life by eliminating metal contamination from galling
   - Modern design specifically for reciprocating rotation
9. **Axial loading protection**
   - Addition of (4) bearing pads on shaft
   - Eliminates galling and scoring of shaft and head surfaces due to high axial loading.
   - Extends seal life by eliminating metal contamination from galling
10. **Removable shaft extensions**
    - Prevents scoring marks/lines into pressure seal surfaces
    - Zinc corrosion on shaft extensions reduces corrosion
    - Eliminates potential damage from raised dings and burrs to seals and bearings during disassembly
    - Accepts both round and flat flipper arms
11. **Hollow Shaft**
    - Provides easy adaption to alternative flipper arm attachments
12. **Replaceable shaft extensions**
    - Damaged shaft extensions can be easily removed for servicing the actuator which avoids the potential of catastrophic damage to the actuator seal glands and journal bearing.

Part number: 01280999