



K34 is a three piece single acting sealing set which consists of one reinforced cotton fabric or thermoplastic elastomer back-up ring, one specially designed multiple lip elastomeric nitrile rubber sealing element and one thermoplastic anti-extrusion ring.

#### PRODUCT ADVANTAGES

- Effective sealing during vibration and shock loading
- Improved sealing gap due to the active anti-extrusion ring
- Superior sealing effect in high pressures
- Alternative design to packings

#### APPLICATION

Earth moving equipment, excavators, cranes, loading platforms, and special machinery.

| MATERIAL          |            | CODE   |
|-------------------|------------|--------|
| NBR               | 80 SHORE A | NB8001 |
| COTTON FABRIC NBR |            | NB8008 |
| TPE               |            | TP5501 |
| POM               |            | PM9901 |

| OPERATING CONDITIONS |              |            |            |
|----------------------|--------------|------------|------------|
| MEDIA                | Mineral oils | HFA and    | HFC        |
|                      | (DIN 51524)  | HFB        |            |
| TEMPERATURE          | -30°C        | +5°C       | -30°C      |
|                      | +105°C       | +60°C      | +60°C      |
| PRESSURE             | ≤700 Bar     | ≤700 Bar   | ≤700 Bar   |
| SPEED                | ≤0.5 m/sec   | ≤0.5 m/sec | ≤0.5 m/sec |

*Note: The above data are maximum values and cannot be used at the same time.*

| SURFACE ROUGHNESS |    | Ra      | Rmax    |
|-------------------|----|---------|---------|
| Sliding Surface   | Ød | ≤0.4 µm | ≤3.2 µm |
| Groove Base       | ØD | ≤1.6 µm | ≤6.3 µm |
| Groove Flanks     | B  | ≤3.2 µm | ≤16 µm  |

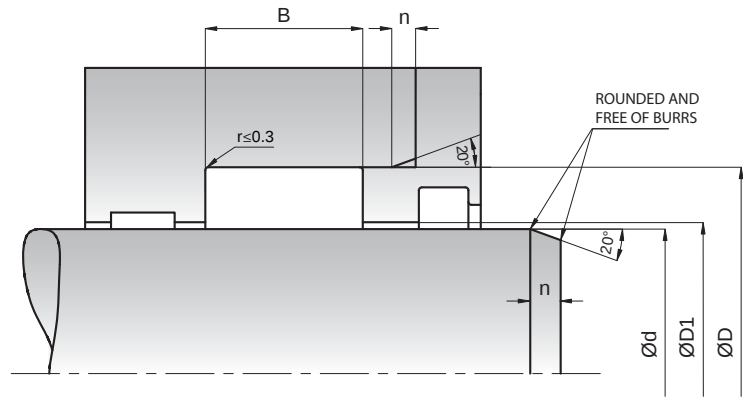
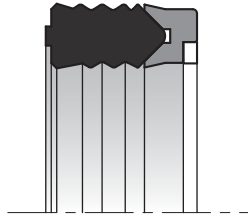
*Note: It is recommended to have 50% to 90% of the working surface material contact area value.*

#### INSTALLATION

Assembly into the open grooves. If it is necessary to have a closed groove, back-up ring should be cut with 75° angle in a way not to have any extrusion gap and installed afterwards. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation all individual parts of the seal must be oiled with system oil.

#### NOTES

For special applications that require high temperatures, our seal set can be manufactured in the following configuration, FKM header ring, back-up ring and anti-extrusion rings from special mixture of PTFE material.

[illegible]