



K20 is a three piece double acting compact seal which consists one elastomeric nitrile rubber sealing element and two special profil thermoplastic guide rings.

PRODUCT ADVANTAGES

- Simple groove design, one-piece piston possible
- Simple snap installation
- Economic sealing and guiding solution
- Can be used in small cross-sections

APPLICATION

Agricultural machinery and light duty cylinders.

| MATERIAL | | CODE |
|----------|------------|--------|
| NBR | 80 SHORE A | NB8001 |
| POM | | PM9901 |

| OPERATING CONDITIONS | | | |
|----------------------|-----------------------------|----------------|----------------|
| MEDIA | Mineral oils (DIN 51524) | HFA and HFB | HFC |
| TEMPERATURE | -30°C +105°C | +5°C +60°C | -30°C +60°C |
| PRESSURE | ≤150 Bar | ≤150 Bar | ≤150 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 | ∅D | ≤0.4 μm | ≤4.0 μm |
| Groove Base | ∅d | ≤1.6 μm | ≤10 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

Easily assembled into one-piece piston because of the guide rings being in split forms. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing elements must be oiled with system oil.

NOTES

For special applications that require high temperatures, piston seal can also be manufactured in FKM and special mixture PTFE material.