

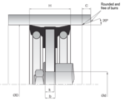
Complete piston type T-2

Characteristics

- Type:** T-2
- Principle of operation:** Double acting
- Max. operating pressure:** 60 bar
- Maximum speed:** 0.5 m/s

Application

- Construction machinery , fork-lift trucks , injection moulding machines , agricultural machinery , cranes and standard cylinders.



Technical Information

- Superior sealing performance
- Economic sealing and guiding solution
- Simple groove design , one-piece piston possible
- Long service life
- Simple snap installation

Operating Principle

- Easily assembled into one-piece piston because the back-up rings and guide rings are been produced 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 element must be oiled with system oil.

Options

- For special applications that require high temperatures , piston seal is manufactured in FKM and PTFE material.

| OPERATING CONDITIONS | | | |
|----------------------|--------------------------|----------------------|-----------------------|
| MEDIA | Mineral oils (DIN 51524) | HFA and HFB | HFC |
| TEMPERATURE | from -30°C till +105°C | from +5°C till +60°C | from -30°C till +60°C |
| PRESSURE | max. 400 Bar | max. 400 Bar | max. 400 Bar |
| SPEED | max. 0.5 m/s | max. 0.5 m/s | max. 0.5 m/s |

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

| SURFACE ROUGHNESS | Ra | Rmax |
|-------------------|-------------|-------------|
| Sliding Surface | max. 0.4 µm | max. 4.0 µm |
| Groove Base | max. 1.6 µm | max. 6.3 µm |
| Groove Flanks | max. 3.2 µm | max. 16 µm |

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

| Bore diameter | Groove diameter | Seal height | Material seal | Temperature range | Article |
|---------------|-----------------|-------------|---------------|-------------------|----------|
| mm | mm | mm | | °C | |
| 30 | 8 | 22 | NBR | -30 / 105 | 14408541 |
| 45 | 10 | 25 | NBR | -30 / 105 | 14408548 |
| 50 | 10 | 25 | NBR | -30 / 105 | 14408550 |

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