



► **K19** Heavy Duty Product Line

K19 Heavy Duty Piston Seal

K19L Low Temperature Piston Seal

K19X Ultimate Piston Seal

► K19

Heavy Duty Product Line

The **K19** double-acting compact piston seal has a robust design which contains an elastomer energizer, a PTFE ring and two thermoplastic back-up rings. The design has been a preferred design for a wide range of mobile hydraulic applications with low friction, low extrusion and long service-life properties.

K19 Product Line consist of 3 unique material combinations, which were developed to exceed challenging expectations of modern mobile equipment.



- **High Extrusion Resistance**
- **Low Friction**
- **Low Leakage**
- **Long Service Life**

K19 Piston seals are the ultimate piston seal solution for excavators, front-loaders, boom-lifts, cranes and other lift equipment.

K19 Heavy Duty Piston Seal

Standard K19 is an industry standard piston seal preferred in construction machinery application with its high quality bronze filled PTFE ring.



Temperature Range: -30°C to +105°C

Pressure: 400 bar

NB8001 Standart NBR

PT6003 High Performance Bronze Filled PTFE

PM9901 Thermoplastic POM Back-up Ring

K19L Low Temperature Piston Seal

K19L has been developed for the growing needs for wider temperature range and higher extrusion resistance. Its highly preferred in aerial lifts and telehandlers as well as excavators.



Temperature Range: -40°C to +120°C

Pressure: 600 bar

NB8010 Low Temperature NBR

PT6003 High Performance Bronze Filled PTFE

PA9910 High Temperature Resistant PA

K19X Ultimate Piston Seal

K19X is the ultimate piston seal of the productline that offers unmatched extrusion, friction, abrasion resistance while withstanding temperature peaks up to 150°C and pressure peaks up to 600 bar.



Temperature Range: -40°C to + 150°C

Pressure: 600 bar

HB8005 Low Temperature HNBR

PT6023 Abrasion Resistant Carbon Fiber Filled Modified PTFE

PA9910 High Temperature Resistant PA



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