



Sealing Solutions for Material Handling



Sealing Solutions for Material Handling

Material handling applications covers a wide range of equipment designed to perform indoor and outdoor logistics. In all modern equipment sealing solutions are expected to provide excellent dynamic and static sealing, low friction property and sufficient guiding. **Kastas Sealing Technologies** develops sealing solutions for material handling equipment which requires reliability, durability and sustainability.

- **Telehandler**
- **Forklifts**
- **Loader Cranes**
- **Tail Lifts**
- **Mobile Cranes**
 - ↘ Telescopic Truck Cranes
 - ↘ Boom Trucks
 - ↘ Telescopic Crawler Cranes

- **Lifts**
 - ↘ Boom Lifts
 - ↘ Scissor Lifts
 - ↘ Aerial Work Platform
- **Loaders**
 - ↘ Roll-off Tippers
 - ↘ Sideloaders
 - ↘ Skiploaders



Product Range for Material Handling

ROD SEAL



FR200 FRICTION REDUCED ROD SEAL

- Low friction
- Low leakage
- Pressure relief



K22 ROD SEAL

- Superior static and dynamic sealing effect
- Wide range of dimensions
- Easy assembly into closed grooves



K32 ROD SEAL

- Superior sealing effect with the secondary lip
- High wear resistance
- Secondary sealing lip provides extra protection against the ingress of dirt particles



K33 ROD SEAL

- High wear resistance
- Superior sealing effect with the secondary lip
- Easy assembly into closed grooves



K35 ROD SEAL

- Low friction, free of stick-slip
- Due to the special profile it can be used in pair or with an u-ring
- Long service life



K29 BUFFER SEAL

- No pressure build up between the primary and secondary seal
- High wear resistance
- Low friction

PISTON SEAL



K18 COMPACT PISTON SEAL

- Superior sealing performance
- Economic sealing and guiding solution
- Simple groove design, one-piece piston possible



K518 COMPACT PISTON SEAL

- Superior radial load bearing capacity
- Economic sealing and guiding solution
- Simple groove design, one-piece piston possible



K42 PISTON SEAL

- Effective sealing during vibration and shock loading
- Superior sealing effect in high pressures
- Maximum sealing efficiency with the least amount of friction



K504 COMPACT SEAL

- Low friction, free of stick-slip
- Improved abrasion resistance
- Good dynamic and static sealing



K19 HEAVY DUTY PISTON SEAL

- High sliding speed
- Low friction, free of stick-slip
- Simple groove design



K40 PISTON SEAL

- Superior static and dynamic sealing effect
- Improved sealing gap due to the active back-up ring
- Pressure relief design



K49 PISTON SEAL

- Superior static and dynamic sealing
- Ability to move without vibration even at low running speeds
- No twisting in the housing due to rectangular profile



K17 PISTON SEAL

- Low friction, free of stick-slip
- Simple groove design and low axial housing heights
- Long service life

WIPER



K05 WIPER

- Superior wiping performance
- Improved wiping effect of dirt, water spray, etc with the help of the secondary sealing lip on the outer diameter
- Simple, easy-construction groove



K12 METAL CASE DOUBLE WIPER

- Superior scraping effect
- Simple, easy-construction groove
- No twisting in the housing



K06 WIPER

- Very good wiping performance
- Simple, easy-construction groove
- Wide range of dimensions



K107 HYDRAULIC WIPER

- Very good wiping performance
- Simple, easy construction groove
- Due to the special design of nutring shaped double wiper it allows excellent sealing without drainage requirement

STATIC SEALS



K83-K84 COVER SEAL

- High operating pressures
- High reliability
- Interchangeable for o-ring and o-ring with back-up ring

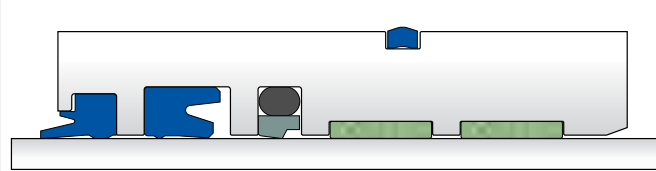


K73 GUIDE RING

- High load bearing capacity
- Minimum static and dynamic friction coefficient for a minimum energy loss and operating temperature
- Able to be used on dry conditions

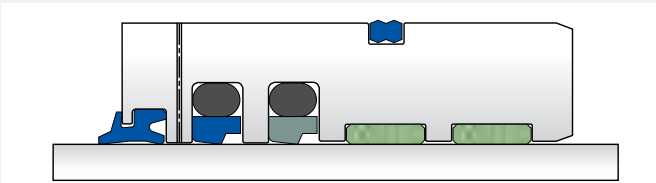
Sealing Configurations for Material Handling

Configuration K05-K33-K35-K73-K84



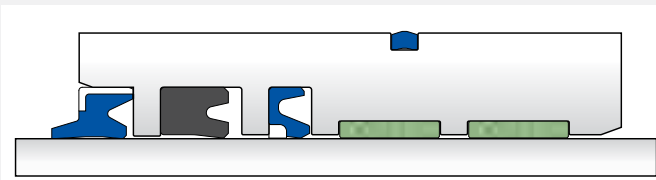
- Excellent sealing performance
- Long service life
- Good wiping performance with second lip of K05
- Cost competitive

Configuration K94-K35PU-K35-K73-K85



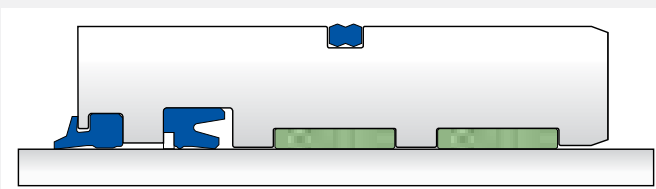
- Excellent sealing performance and minimum oil film
- Free of hydrodynamic pressure risk
- High radial load bearing capacity

Configuration K12-K97-K29-K73-K84



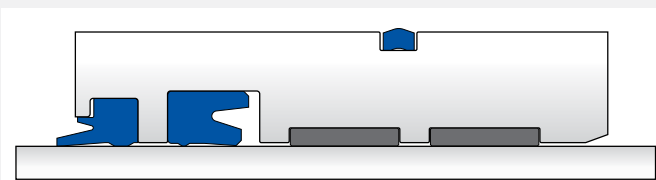
- Very good sealing performance
- Simple groove designs and easy installation
- Good wiping performance
- Long service life

Configuration K94-K32-K73-K85



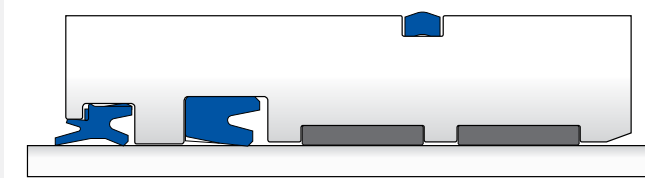
- Superior sealing performance
- K32 provides extra protection against the ingress of dirt particles
- Improved sealing gap due to the active back-up ring
- Simple groove design

Configuration K05-K33-K68-K84



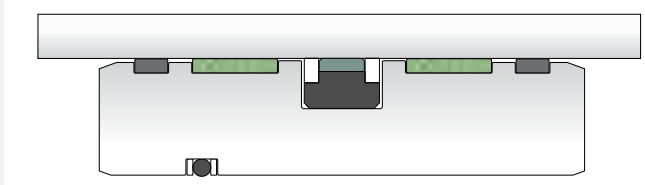
- Superior sealing performance
- K33 provides extra protection against the ingress of dirt particles
- Simple installation

Configuration **K107-FR200-K68-K84**



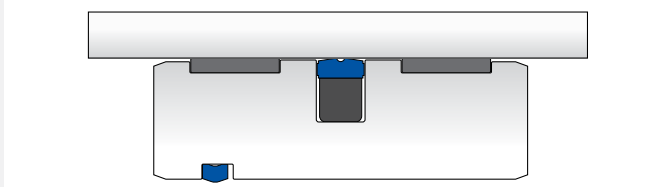
- Low friction
- Superior sealing in dynamic and static conditions
- No hydrodynamic pressure build up with back pump ability of nurtring
- Long service life
- Superior protection to environmental effects with K107 wiper

Configuration **KBT-K73-K19-K73-KBT**



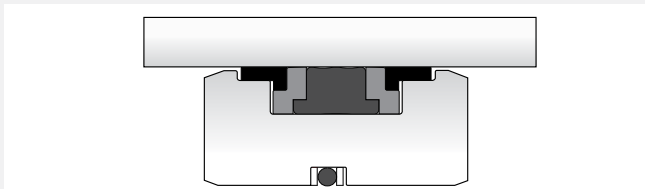
- Excellent guiding and sealing performance
- Simple groove design and easy installation
- Very good sealing performance in high pressure and velocity

Configuration **K69-K49-K69**



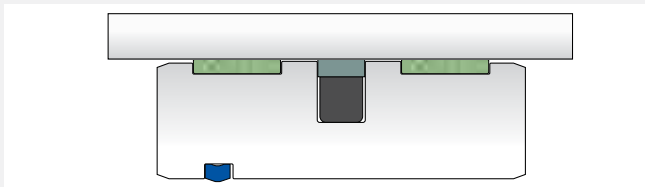
- High wear resistance
- Superior sealing performance in unsuitable surface roughness
- Groove design according to ISO 7425-1 and easy installation
- Cost competitive

Configuration **K518**



- Superior sealing performance
- Excellent guiding
- Long service life
- Economic solution and easy installation

Configuration **K73-K762-K73**



- Very low friction
- High performance at low speeds
- Groove design according to ISO 7425-1



Kastas Sealing Technologies A.S.

Atatürk Plastik O.S.B. 3.Cadde No:5
35660 Menemen / IZMIR / TURKEY

Tel : +90 232 397 60 00

Fax : +90 232 502 25 28

info@kastas.com

www.kastas.com

Kastas Sealing Technologies Europe GmbH

Robert-Bosch-Str. 11-13,
25451 Quickborn/GERMANY

Tel : +49 4106 809 280

Fax : +49 4106 809 28 49

europe@kastas.com

www.kastas.com