



# Sealing Solutions for Construction Machinery



## Your **Productivity Partner**

Productivity at Kastas provides you with the best quality at competitive prices and with fast lead times. Fluid sealing is not a stand-alone, basic technology; it depends greatly on material development, ultimate design, and highly skilled applications. We in Kastas are focusing on recent advances in elastomers, engineering plastics, manufacturing techniques, and on chemistry and tribology for improved productivity.

To improve the productivity of your entire system, we endlessly develop innovative solutions and mature products upon which you can rely.

## Integrated Solutions from a Single Supplier

At Kastas, you will find the perfect starting point for meeting your requirements in a cost-effective and integrated manner from a single producer of Hydraulic and Pneumatic Seals.

Our services include:

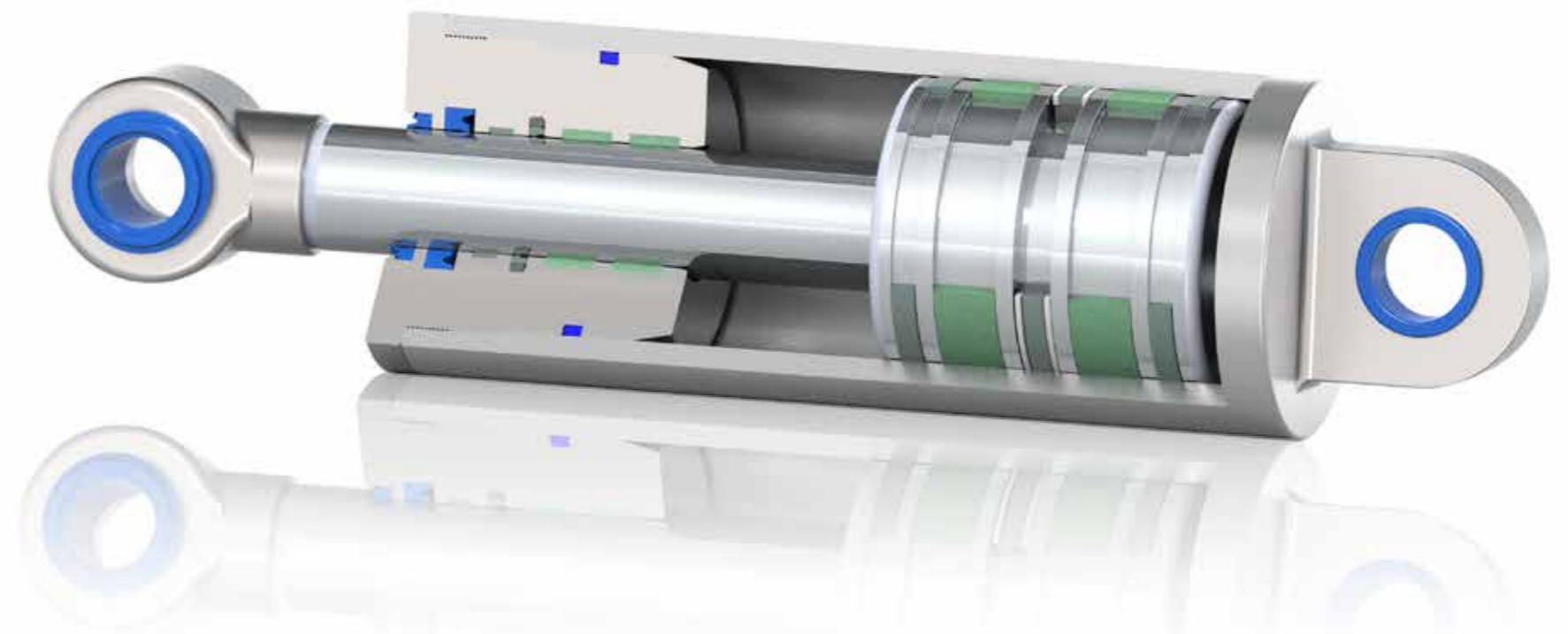
- Extensive ex-stock capability for standard products
- High production and services flexibility for customer-specific needs
- Reliable quality and competitive prices
- Industry's best lead times for customized and standard products
- Custom-designed products with lifecycle management

## Empowering World Industries

The industries we serve include, but are not limited to, engineering and manufacturing, mining, agriculture and construction machinery, mobile hydraulics, metal working, automotive, water pumps, gas springs, metallurgical, food processing, marine, pharmaceutical, chemical, and petrochemical.

## Kastas is a leading producer of Hydraulic and Pneumatic Seals

Kastas is a dynamic manufacturer and distributor of sealing solutions, supplying a wide range of standard and customized products and services to a vast range of industries. Being a global partner, Kastas offers highly efficient sales and distribution operations available through our customer support sites and distributors worldwide.



# Sealing Solutions for Construction Machinery



Construction equipment faces challenging environment, longer working hours and extreme conditions. Kastas provides reliable and superior sealing solutions designed and developed specially for each application.

## Earth Moving Equipment

- Excavators
- Bulldozers
- Wheel Loaders
- Back-hoe Loaders

## Concrete Pumps

- Truck Mounted Concrete Pumps
- Mixer Pumps

## Hydraulic Breakers

- Breakers
- Crushers
- Drillers

## Telescopic Tipper

## Product Range for Construction Machinery

### ROD SEALS



#### K33 ROD SEAL

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



#### K112 ROD SEAL

- Very good sealing on static and dynamic conditions
- High operating pressures
- High abrasion resistant



#### K97 ROD SEAL

- High performance at high temperatures
- Very good sealing performance even with pressure peaks
- Easy installation and simple groove design



#### K35 ROD SEAL

- Low friction, free of stick-slip
- Due to the special profile it can be used as primary or secondary seal
- Long service life



#### K31 ROD SEAL

- Able to work in high pressures
- Superior sealing effect in low pressures
- Easy assembly into closed grooves



#### K111 ROD SEAL

- Very good sealing on static and dynamic conditions
- High operating pressures
- High abrasion resistant



#### K35PU ROD SEAL

- High wear resistance for long service life
- Small groove

### PISTON SEALS



#### K19 HEAVY DUTY PISTON SEAL

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



#### K501 PISTON SEAL

- Extremely high abrasion resistance
- Simple groove design
- Easy fit without installation tool



#### K518 COMPACT PISTON SEAL

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

### WIPERS



#### K05 WIPER

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



#### K07 METAL CASE WIPER

- Superior wiping performance
- Axially open, easy-construction groove
- Used in heavy conditions by the good mechanical properties of PU material



#### K94 WIPER

- Very good wiping performance
- Simple, easy-construction groove
- No twisting in the house



#### K11 WIPER

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



#### K12 METAL CASE DOUBLE WIPER

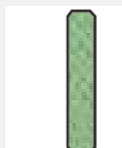
- Superior scraping effect
- Simple, easy-construction groove
- No twisting in the housing



#### K102 WIPER

- High wear resistance
- Axially open, easy-construction groove
- Secure seating, press fitting into the housing

### GUIDE RINGS



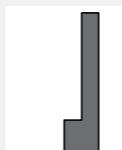
#### K73 GUIDE RING

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



#### K78 GUIDE RING

- Able to work at high temperatures
- High dimension stability
- Easy assembly



#### K71 GUIDE RING

- Guide ring design for telescopic cylinders
- Wide range of dimensions
- Easy installation and simple groove design



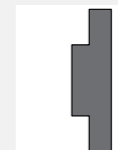
#### K75 GUIDE RING

- Low friction coefficient
- High load bearing capacity
- Safely used on dry conditions



#### KBT GUIDE STRIP

- Easy assembly
- Medium load bearing capacity
- Able to work on dry conditions



#### K77 GUIDE RING

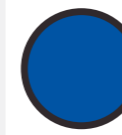
- Guide ring design for telescopic cylinders
- Wide range of dimensions
- Easy installation and simple groove design

### STATIC SEALS



#### K83-K84 COVER SEAL

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



#### KO PU O-RING

- No need for additional back-up ring on high pressures
- High performance an heavy duty applications
- High elongation strenght, high abrasion resistant



#### K86 STATIC SEAL

- High operating pressures
- Interchangeable for o-ring and o-ring with back-up ring
- Can work under severe conditions



#### BUFFER SEAL K29 BUFFER SEAL

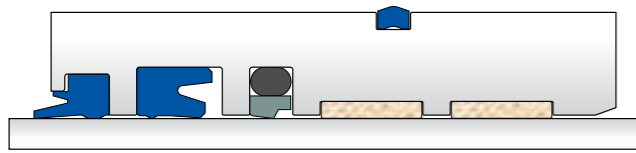
- No pressure build up between the primary and secondary seal
- High wear resistance
- Low friction



# Sealing Solutions for Earth Moving Equipments

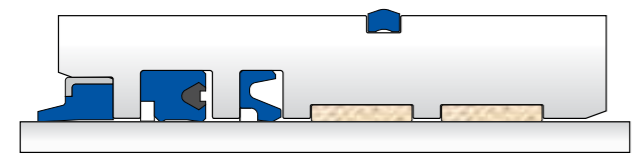


Configuration **K05-K33-K35-K75-K84**



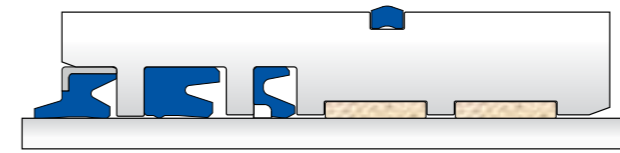
- Excellent sealing performance
- Long service life
- Good wiping performance with second lip of K05
- Cost competitive

Configuration **K07-K31-K29-K75-K84**



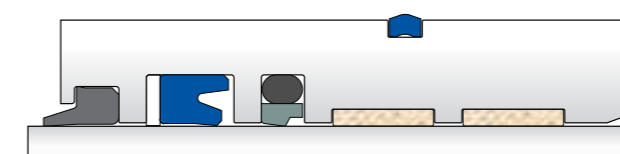
- Superior sealing performance under peak pressures
- Simple groove design and easy installation
- Excellent sealing performance in low and high pressures
- High wear resistance

Configuration **K12-K33-K29-K75-K84**



- Very good sealing performance
- Simple groove design and easy installation
- Good wiping performance with K12
- Long service life

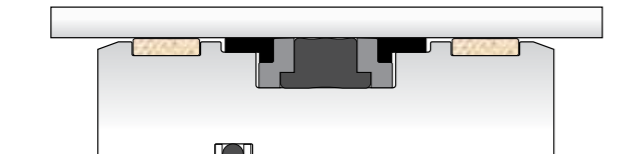
Configuration **K11-K22+ Back-Up Ring-K35-K75-K84**



- Very good wiping performance
- Excellent sealing in heavy conditions
- Low friction, long service life
- High extrusion resistance
- Better extrusion resistance due to the back-up ring

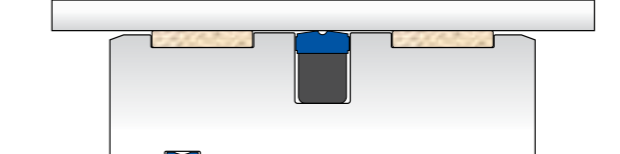


Configuration **K518-K75-K81**



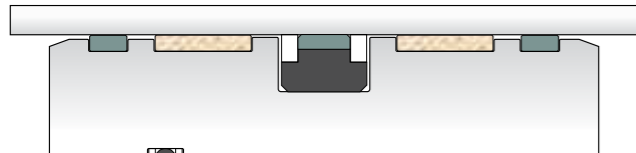
- Superior sealing performance
- Excellent guiding
- Long service life
- Economic solution and easy installation

Configuration **K49-K75-K83**



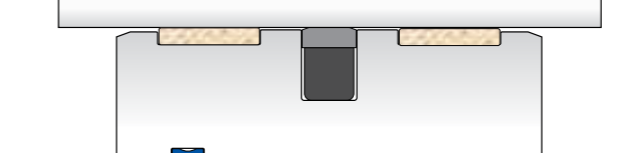
- High wear resistance
- Superior static and dynamic sealing
- Groove design according to ISO 7425-1 and easy installation
- Cost competitive

Configuration **K19-K75-KBT-K81**



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

Configuration **K501-K75-K84**



- High wear resistance and extrusion resistance
- Superior sealing performance in shock pressures
- Groove design according to ISO 7425-1 and easy installation



# Sealing Solutions for Concrete Pumps

Concrete Pumps are one of the most challenging applications in a construction field. In such an application where the efficiency and reliability expectations are at the highest level, equipment manufacturers are always in search of the most advanced hydraulic systems. **Kastas Sealing Technologies** combines latest technology materials with reliable designs and ensures a safe sealing system as well as long service life.



Boom



Support

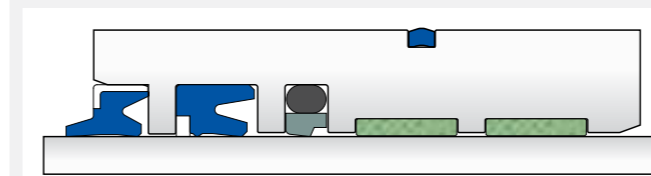


Pump

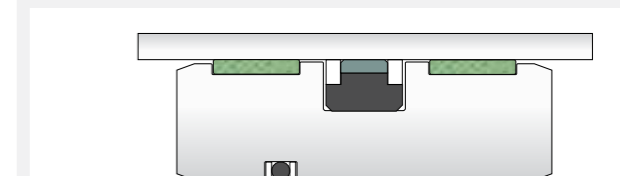


## Sealing Configurations for Boom Cylinders

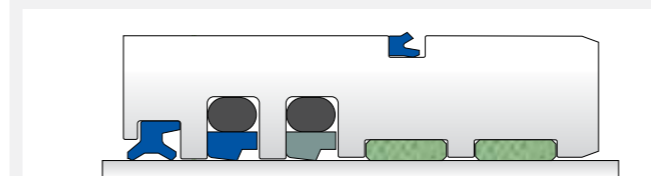
Configuration K12-K32-K35-K73-K84



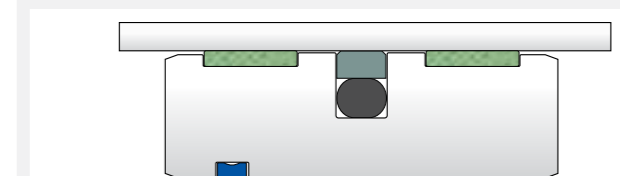
Configuration KBT-K73-K19-K73-KBT



Configuration K103-K35-PU-K35-K73-K86

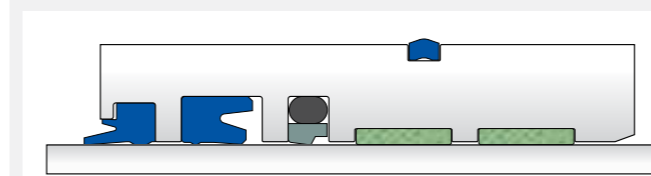


Configuration K73-K17-K73-K83

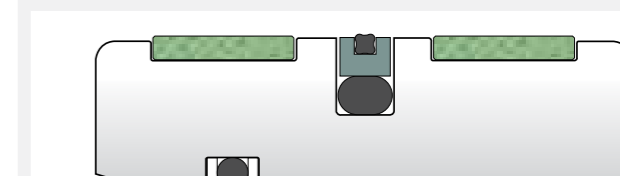


## Sealing Configurations for Support Cylinders

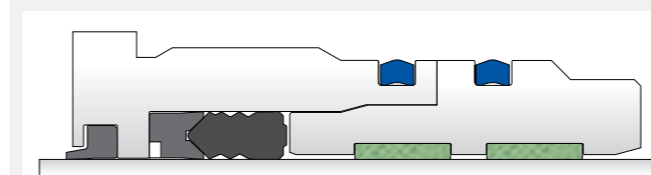
Configuration K05-K33-K35-K73-K84



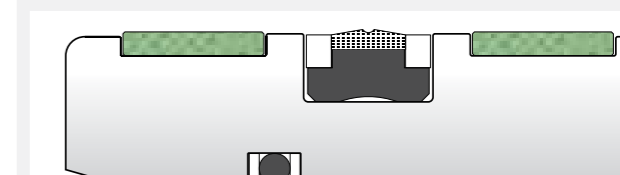
Configuration K73-K753-K73



Configuration K11-K34-K73-K84



Configuration K73-K504-K73-K707+O RING

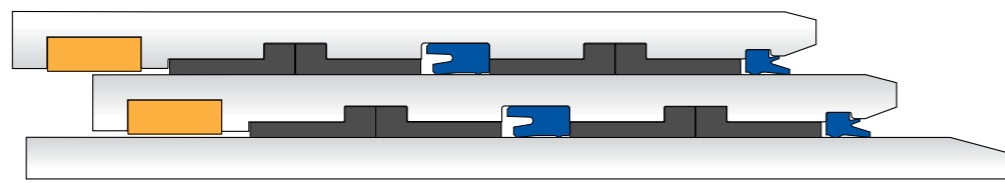




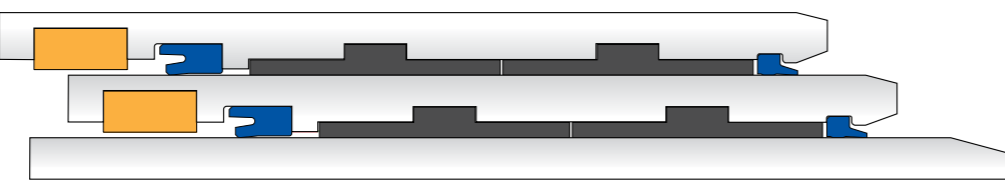
## Sealing Solutions for Telescopic Tipper

Telescopic Tipper are very crucial when it comes to construction logistics and earth-moving. Telescopic tipper are working based on a telescopic cylinder that determines the performance and efficiency of the whole equipment. **Kastas Sealing Technologies** have the long years of experience and application know-how for designing the most reliable and robust telescopic sealing solution for the high quality tipper. The telescopic sealing solutions developed by **Kastas Sealing Technologies** ensure both sufficient guiding and sealing performance as well as cost-efficiency for sustainable productivity of a tipper.

Configuration K05-K33-K77



Configuration K06-K22-K71



## Sealing Solutions for Hydraulic Breakers

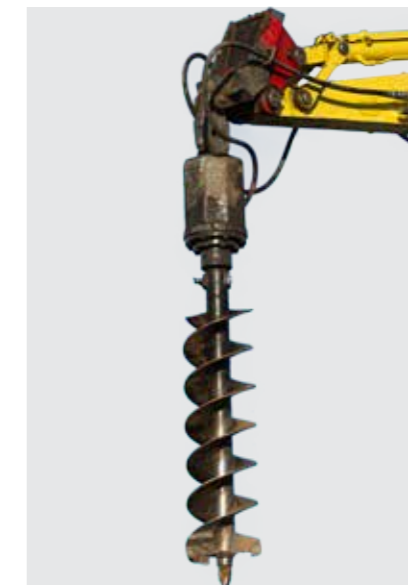
Contaminated working environment, constantly high speed parameters and their complex structures make Hydraulic Breakers a very challenging application in a construction field. **Kastas Sealing Technologies** produces most reliable sealing solutions for Hydraulic Breakers, Drillers and Crushers by using the most advanced technology that can handle easily with the application requirements.



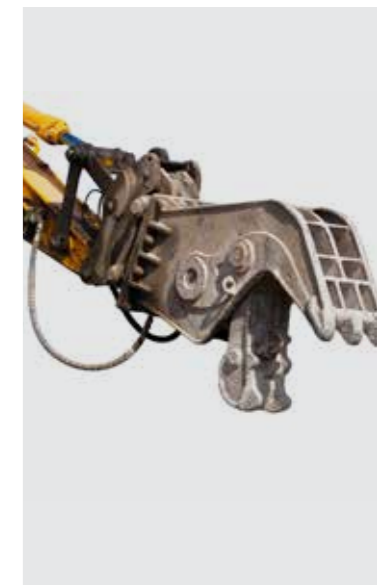
Breakers



Drillers



Crushers





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