

# Sealing Solutions for Plastic Injection Moulding Machines

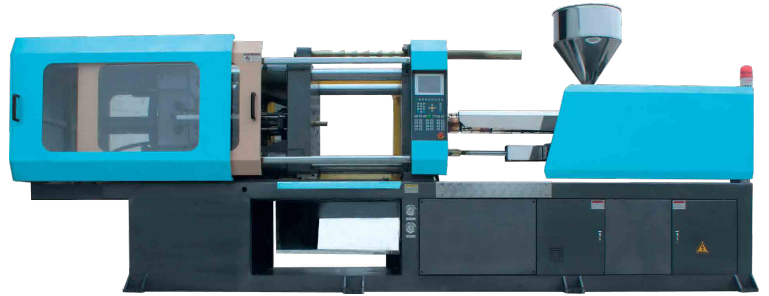


## Sealing Solutions for Plastic Injection Moulding Machines

Injection Molding Machines are one of the most challenging applications in hydraulics.

Sealing elements are critical in total performance of the injection molding machines and subject to long working hours with hard operation parameters.

**Kastas Sealing Technologies** have the long years of experience and application know-how for designing the most reliable and robust sealing solutions for the high quality injection molding machines.



### Sealing Solutions Approach

Injection Moulding Machines are driven by complicated hydraulic systems and combination of various hydraulic cylinders. Kastás produces high quality sealing elements for Injection Moulding machines assuring the top performance of the complete system.

### Plastic Injection Moulding Machines

We offer reliable sealing solutions for Plastic Injection Moulding Machines.

- **Closing Unit Closing Cylinder**
- **Clamping Cylinder**
- **Closing Unit Fast Stroke Cylinder**
- **Injection Unit Injection Cylinder**
- **Carriage Cylinder**
- **Ejecting Cylinder**
- **Closing Unit Pressure Pad**

### Top Level Service

- Extensive ex-stock capability for standard products
- Flexibility in the production and services 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

# Product Range for Plastic Injection Moulding Machines

## ROD SEAL



### K22 ROD SEAL

- Superior static and dynamic sealing
- Wide range of dimensions
- Easy assembly
- High wear resistance



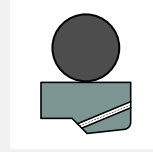
### K35 ROD SEAL

- 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



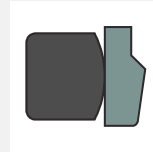
### K35 PU ROD SEAL

- High wear resistance
- Standard housings
- Superior sealing effect



### K717 ROD SEAL

- Pressure relief function prevents pressure build-up between primary and secondary seal
- Low friction, free of stick-slip
- Long service life



### K704 ROD SEAL

- Low friction, free of stick-slip
- Long service life
- High sliding speed



### FR200 FRICTION REDUCED ROD SEAL

- Low Friction
- Low Leakage
- Pressure Relief

## PISTON SEAL



### K17 PISTON SEAL

- Low friction, free of stick-slip
- Standard housings
- Long service life
- High sliding speed



### 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

## WIPER



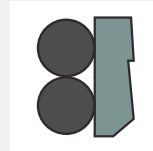
### K107 HYDRAULIC WIPER

- 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



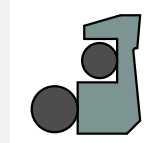
### K703 WIPER

- Low friction, free of stick slip
- Long service life
- High sliding speed



### K705 WIPER

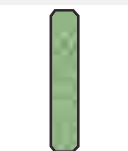
- Low friction
- Free of stick-slip
- High sliding speed



### K716 WIPER

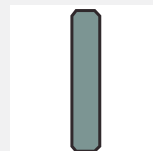
- Long service life
- High sliding speed
- Low friction

## GUIDE RINGS



### K73 GUIDE RING

- High load bearing capacity
- Low static and dynamic friction coefficient for minimum energy loss
- Able to work on dry conditions



### KBT GUIDE STRIP

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

## STATIC SEALS

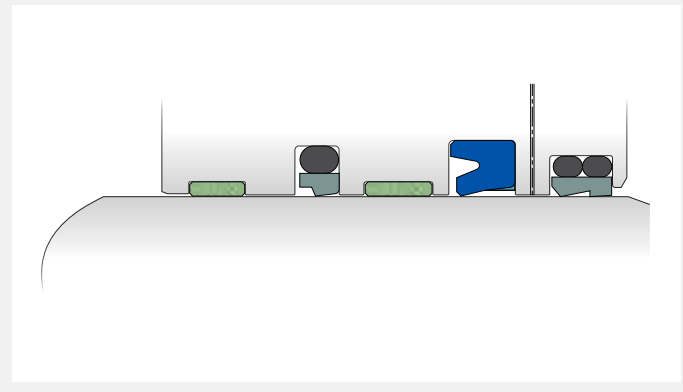


### K84 COVER SEAL

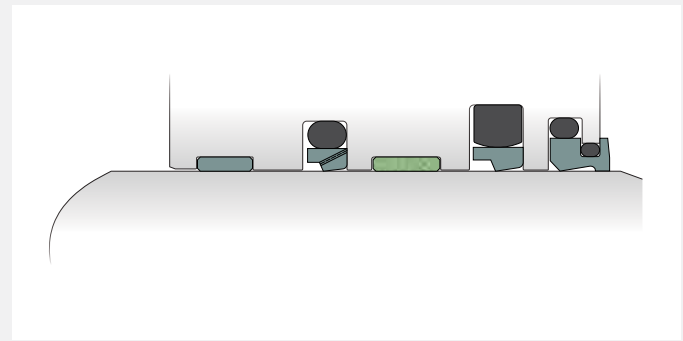
- High operating pressures
- High reliability
- Interchangeable for o-ring and o-ring with back-up ring

# Sealing Solutions for Plastic Injection Moulding Machines

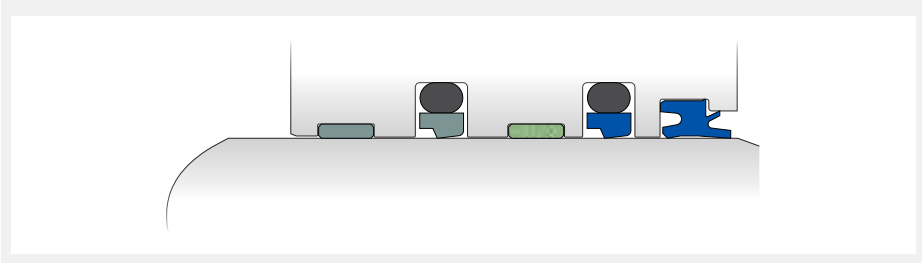
Closing Unit, Clamping, Injection Unit, Ejecting Cylinder



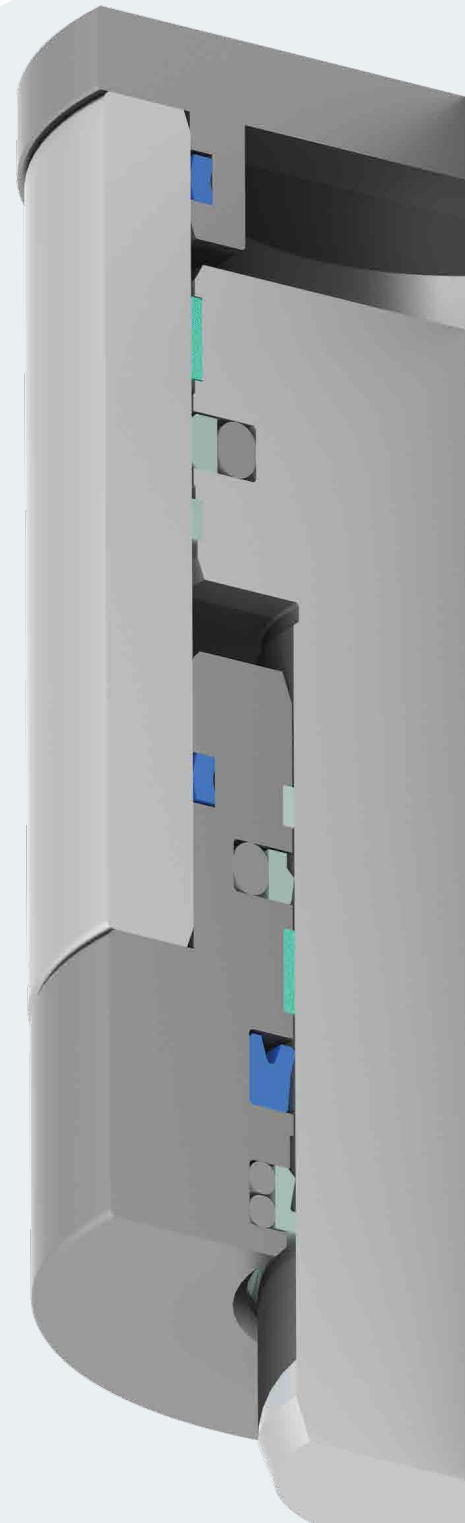
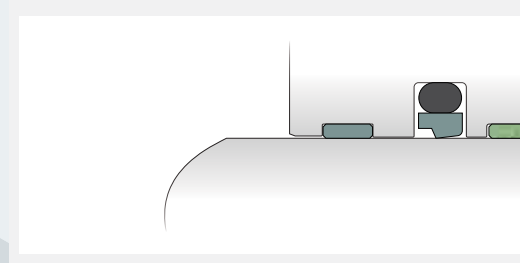
Closing Unit Closing Cylinder



Clamping Cylinder

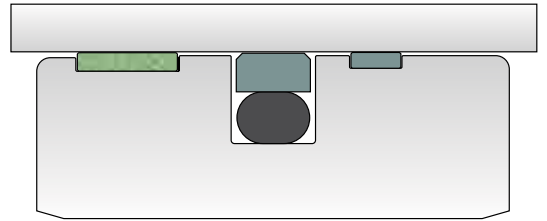


Closing Unit Fast Stroke, Carriage

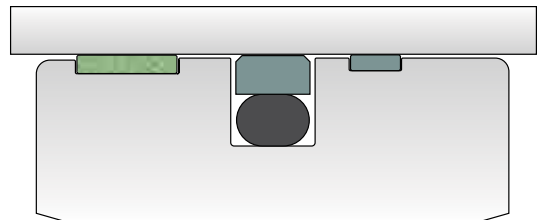




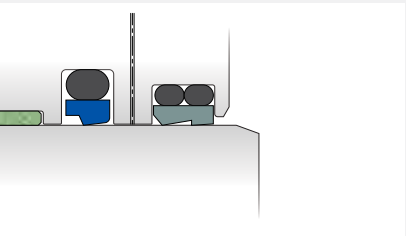
Clamping, Carriage, Ejecting,  
Closing Unit Pressure Pad Cylinder



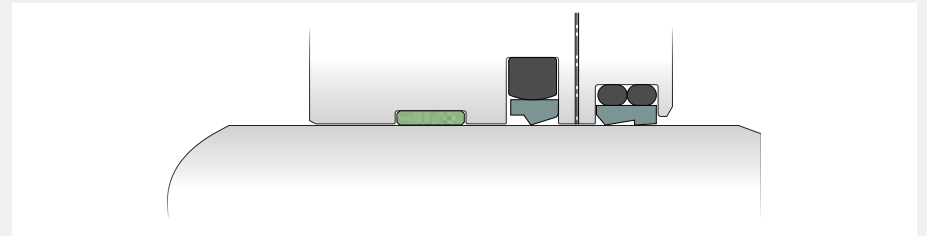
Closing Unit Fast Stroke,  
Injection Unit Cylinder



e Cylinder



Closing Unit Pressure Pad





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