

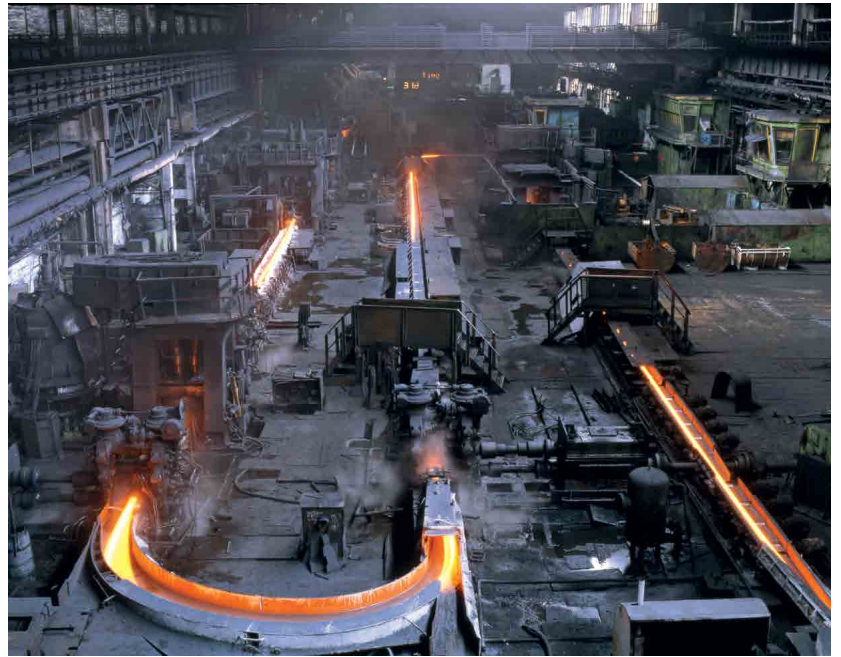


# Sealing Solutions for Metal Processing



## Sealing Solutions for Metal Processing

Long maintenance intervals, variety of applications and challenging working parameters require proven sealing solutions. **Kastas** combines application engineering with modern designs and application specific materials, suitable for the requirements of metallurgical steel mill applications.



### Sealing Solutions Approach

Kastas offers sealing solutions containing a combination of diverse system requirements.

- Specially developed compounds and materials for high frequencies and short strokes
- Low friction for fast response time and dynamic reaction
- Extrusion resistant materials for larger clearances
- Appropriate guiding system for high radial loads
- Highly wear resistant materials for long service life
- Reliable, robust and optimized products
- Long service intervals
- Media and fluid compatibility

### Metal Processing

We offer sealing solutions for diverse applications of Metal Processing.

#### Rolling Mills Steel Mills Hot Strip Mills Continuous Caster

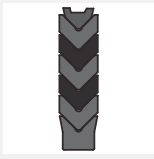
- Ladle Drawer Cylinder
- Segment Cylinder

### 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

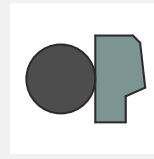
# Product Range for **Metal Processing**

## ROD SEAL



### K01 ROD PACKING

- Adjustable seal housing height
- Functions even with poor surfaces
- Robust seal



### K35 ROD SEAL

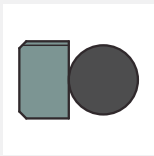
- Low friction, free of stick-slip
- Due to the special profile it can be used in pair or with an u-ring
- Long service life



### K704 ROD SEAL

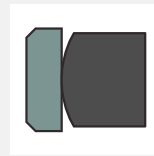
- Low friction, free of stick-slip
- Long service life
- High sliding speed

## PISTON SEAL



### K17 PISTON SEAL

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



### K755 PISTON SEAL

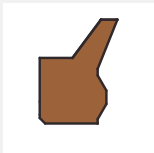
- Low friction, free of stick-slip
- Excellent performance in large diameter cylinders and heavy duty applications
- Long service life
- High sliding speed



### K03 PISTON PACKING

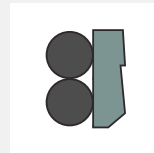
- Functions even with poor surfaces
- Easy installation
- Adjustable seal housing height

## WIPER



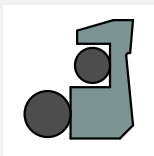
### K06 WIPER

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



### K705 WIPER

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



### K716 WIPER

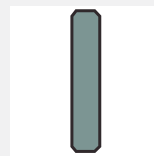
- Long service life
- High sliding speed
- Low friction

## GUIDE RINGS



### K78 GUIDE RING

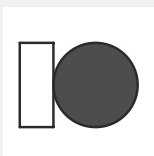
- Able to work at high temperatures
- High dimensional stability
- Easy assembly



### KBT GUIDE STRIP

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

## STATIC SEALS

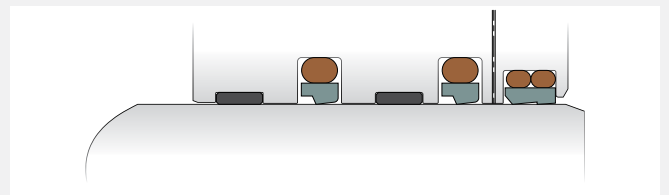
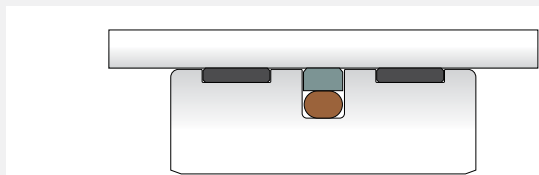


### KO+K707

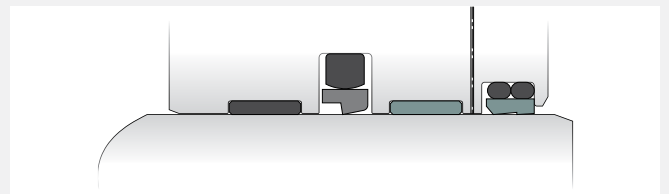
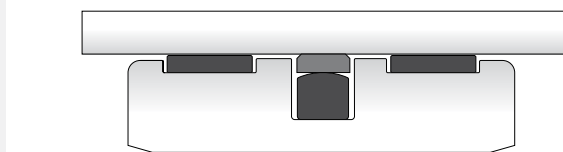
- Excellent static tightness
- Wide range of dimensions
- Optimized extrusion resistance due to PTFE backup ring

# Sealing Solutions for Metal Processing

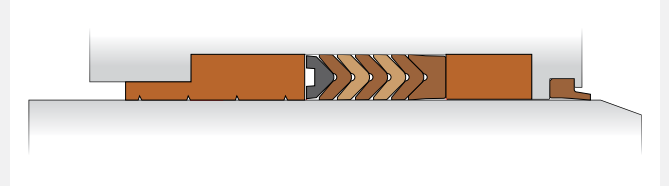
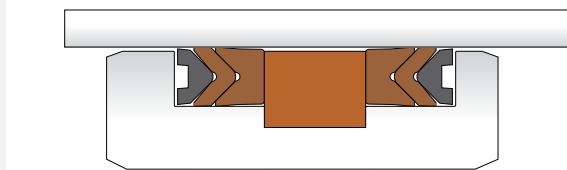
## Continuous Caster - Ladle Drawer Cylinders



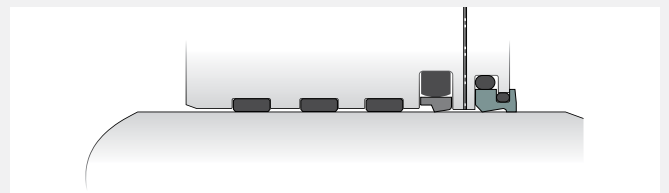
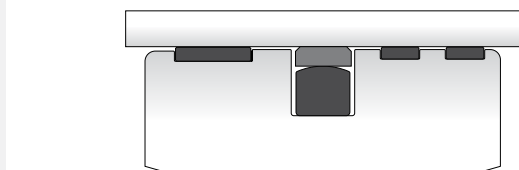
## Continuous Caster - Segment Cylinders (New Design)



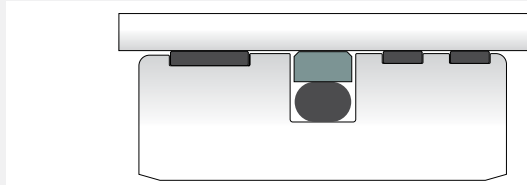
## Continuous Caster - Segment Cylinders (Alternative)



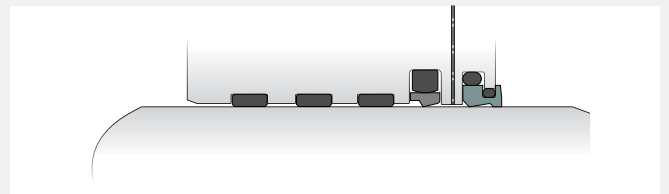
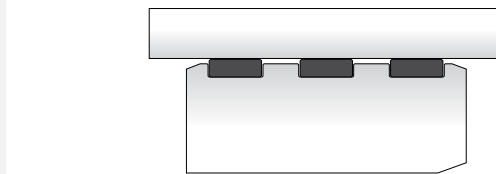
## Hydraulic Automatic Gauge Control Cylinder (AGC) - Hot Strip Mill



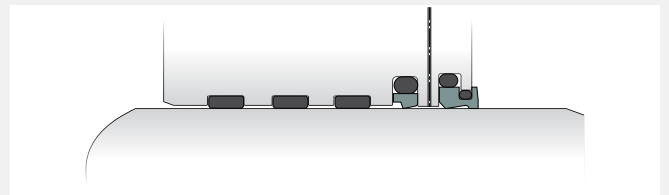
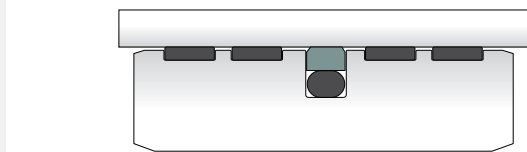
### Hydraulic Automatic Gauge Control Cylinder (AGC) - Cold Strip Mill



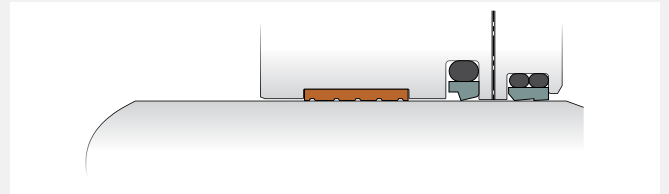
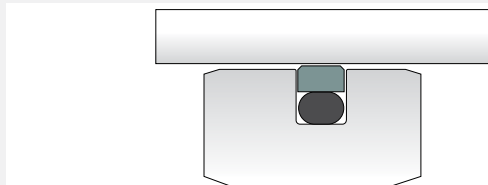
### Back up Roll Balancing Cylinder



### Work Roll Bending Cylinder



### Clamping Cylinder





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