

The background is a vibrant blue with a complex geometric pattern of concentric circles and radial lines, creating a sense of depth and motion. In the center, a large, glowing white circle is surrounded by a ring of smaller, semi-transparent circles. The company name is prominently displayed within this central area.

# **HUNGER** **Hydraulik**

EIN UNTERNEHMEN DER HUNGER-GRUPPE

[www.hunger-hydraulik.de](http://www.hunger-hydraulik.de)





**Challenge accepted**





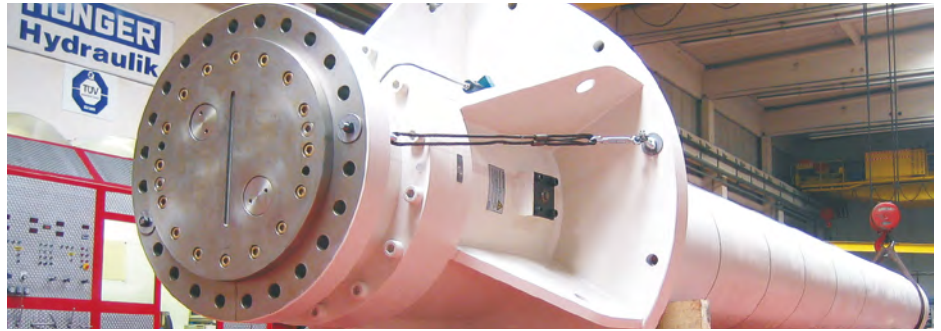
Hydraulik Germany





#### Press cylinder:

- For fast or slow speed control
- Max. force up to 10,000 t
- For forging, straightening or forming presses
- Especially for individual projects and small series



#### Vertical casting cylinder:

- High bending resistance under eccentric load initiation
- Precise anti-rotation device over the entire stroke.
- Wear-resistant Ceraplate piston rod coating
- Hunger DFE seal and guiding elements for a stick-slip-free casting movement
- For aluminium casting plants with a cast weight of up to 200 t



#### Application-optimised series cylinders:

- Designed and optimised according to customer requirements
- A series product from the project specialist
- Also available are various standard and telescopic cylinders



#### Special cylinder:

Development, design and manufacture of special cylinders according to customer application, such as riser tensioning systems and dredging grab buckets.



#### Complete hydraulic systems:

Planning and implementation of complete hydraulic systems and test benches. Application-optimized hydraulic drives, Hydraulic and electric control, measuring and evaluation technology.





### Bridge cylinder:

Hydraulic drives for folding, rotating, and lifting bridges

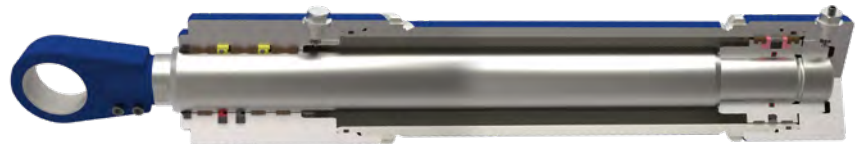
Hydraulic drives for ferry docks and passenger bridges

Safety devices for load holding, integrated in the cylinder

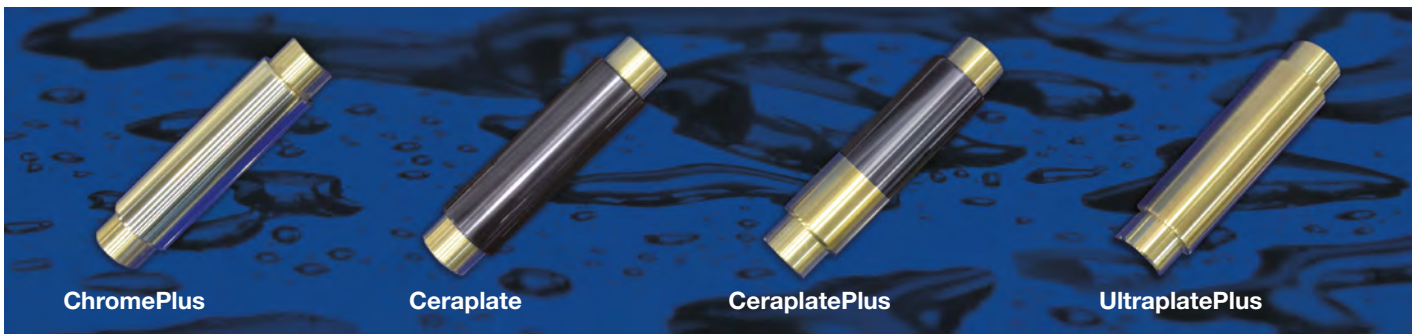
### Dam cylinder:





Hydraulic cylinders in dams for the operation of:

- Protection
- Folding
- Ship locks



### Piston Rod Coatings:



- |   |   |   |   |
|---|---|---|---|
|                  |    |    |    |
| <ul style="list-style-type: none"> <li>- General Engineering</li> <li>- Mobile equipment</li> </ul> | <ul style="list-style-type: none"> <li>- General Engineering</li> <li>- Mobile equipment</li> <li>- Offshore Zone I</li> <li>- Civil Engineering</li> <li>- Surface and mining</li> </ul> | <ul style="list-style-type: none"> <li>- General Engineering</li> <li>- Offshore Zones I &amp; II</li> <li>- Coastal installations</li> <li>- Surface and mining</li> </ul> | <ul style="list-style-type: none"> <li>- Offshore Zones II &amp; III</li> <li>- Coastal installations</li> <li>- Chemical industry</li> </ul> |



APS sprayed top coat layer...



... with a welded bonding layer

**HUNGER**  
**Hydraulik**

EIN UNTERNEHMEN DER HUNGER-GRUPPE

**Walter Hunger GmbH & Co. KG**  
**Hydraulikzylinderwerk**

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### Standard seals:

Sealing and guiding elements for hydraulics and pneumatics. Designed for static and dynamic applications.



### Other Products:

Moulded parts and semi-finished products for special applications manufactured from elastomeric and non-elastomeric materials as per customer specifications.

## HUNGER Dichtungen

EIN UNTERNEHMEN DER HUNGER-GRUPPE

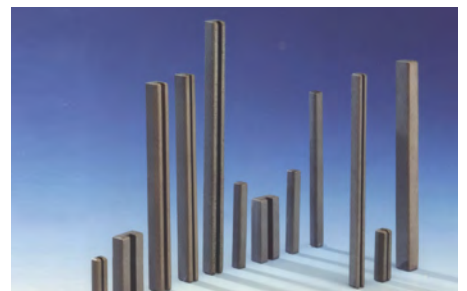
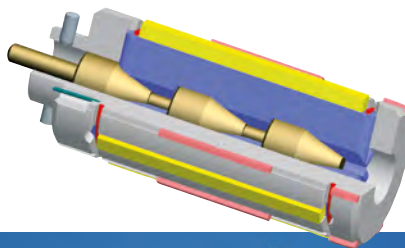
**Hunger DFE GmbH**  
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### Intelligent sealing systems:

To compensate for operational wear it is possible to increase the seal preload through external activation to maintain sealing whilst a long term seal exchange is planned.

### Honing tools:

- Diamond honing tools for symmetrical and asymmetrical number of bars
- Single-strip tools from Ø 6 mm
- Shell honing tools



### Other delivery program:

- Diamond honing stones
- Diamond dresser
- Diamond grinding points

## HUNGER Schleifmittel

EIN UNTERNEHMEN DER HUNGER-GRUPPE

### Hunger Schleifmittel GmbH

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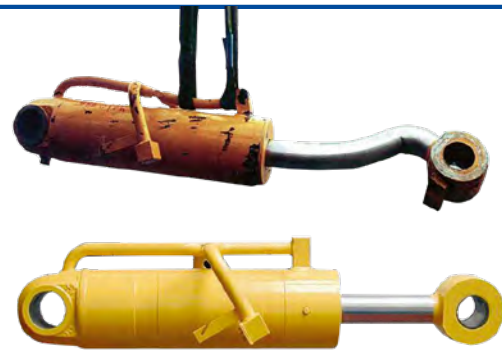
### Ceramic honing stones:

Ceramic honing stones in various grains and compositions.

The dimensions (cross section and length) can be adapted to your application.







#### Repair and service:

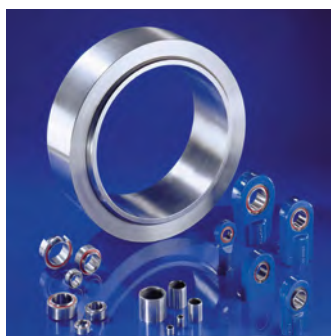
- Repair of hydraulic cylinders and hydraulic components (all makes and dimensions)
- Inspection, analysis and reporting, repair, conversion and modernisation
- On-site service or external assembly
- Spare parts service for Hunger and third-party products



## HUNGER Service

EIN UNTERNEHMEN DER HUNGER-GRUPPE

**Hunger Hydraulik  
Weltweit Service GmbH**  
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www.hunger-service.de



#### Spherical plain bearings & rod ends:

Radial, axial and angular spherical bearings in steel/steel, stainless steel and maintenance-free designs



#### Hydraulic power units:

Customised power units and complete hydraulic systems for various applications

Nominal volume up to 10,000 l

Pump flow rate up to 1,000 l/min

Operating pressure up to 700 bar



#### Rotary unions:

Standard: 2/4 channels

Connection sizes 6 - 20 mm

Max. peripheral speed: 1.5 m/s

Operating pressure 350 bar

Special: up to 44 channels

Nominal width up to 100 mm

Operating pressure up to 400 bar

## HUNGER Maschinen

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## At home all over the world!



## Checklist for your inquiry to us:

Purpose of use

Cylinder type

☐ Plunger ☐ Differential ☐ Telescopic

Mounting style

☐ Horizontal ☐ Vertical ☐ Diagonal

Piston diameter mm

mm

Rod diameter mm

mm

Stroke mm

mm

Piston speed mm/min

mm/min

Nominal pressure /  
Operating pressure bar

bar

Pull force kN

kN

Push force kN

kN

Mounting of the cylinder

☐ Flange ☐ Foot ☐ Eye ☐ Trunnion

Mounting rod

☐ Thread ☐ Flange ☐ Eye

Oil connection

Operating temperature range

from °C to °C

Hydraulic fluid

Damping

☐ Yes ☐ No

Position measuring system

☐ Measuring rod ☐ CIPS ☐ Wire rope encoder

Other