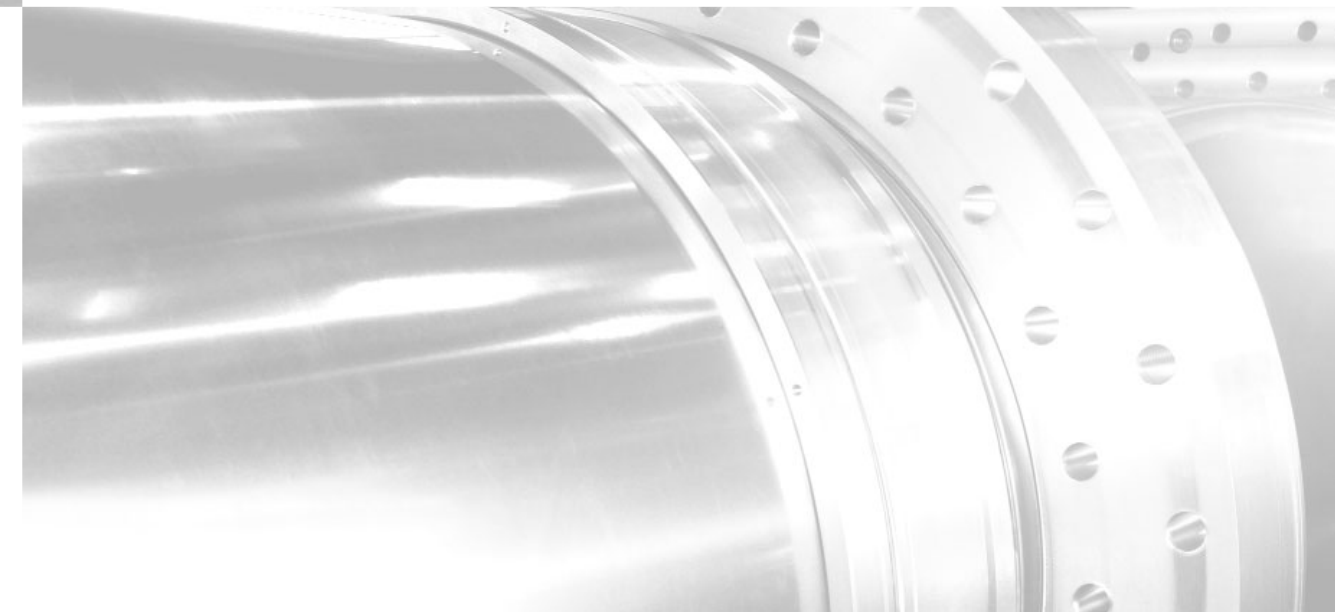


HILFRICH



Your competent and innovative partner for conception, design and manufacturing of large-sized, heavy-duty hydraulic cylinders, standard or special customer designed.

- Lathe Work**
up to \varnothing 2,500 mm and 16,000 mm long, CNC-controlled, 5-axes
- Deep Hole Boring · Drilling**
up to \varnothing 460 mm and 12,000 mm long—also off-centre and with rotating tools
- Honing**
up to outer- \varnothing 1,650 mm/bore- \varnothing 1,400 mm and 7,000 mm long resp. outer- \varnothing 1,100 mm/bore- \varnothing 1,000 mm and 12,000 mm long
- Grinding · Smooth Rolling · Finishing**
up to \varnothing 1,500 mm and 10,000 mm long
- Milling, Horizontal and Vertical Boring**
up to 10,000 x 2,500 x 2,000 mm stroke/state of the art controls
- Components and Assemblies**
up to 100 metric tons weight
- Design Quality Assurance**
Fast decision-making process, total quality management



Wide range of applications

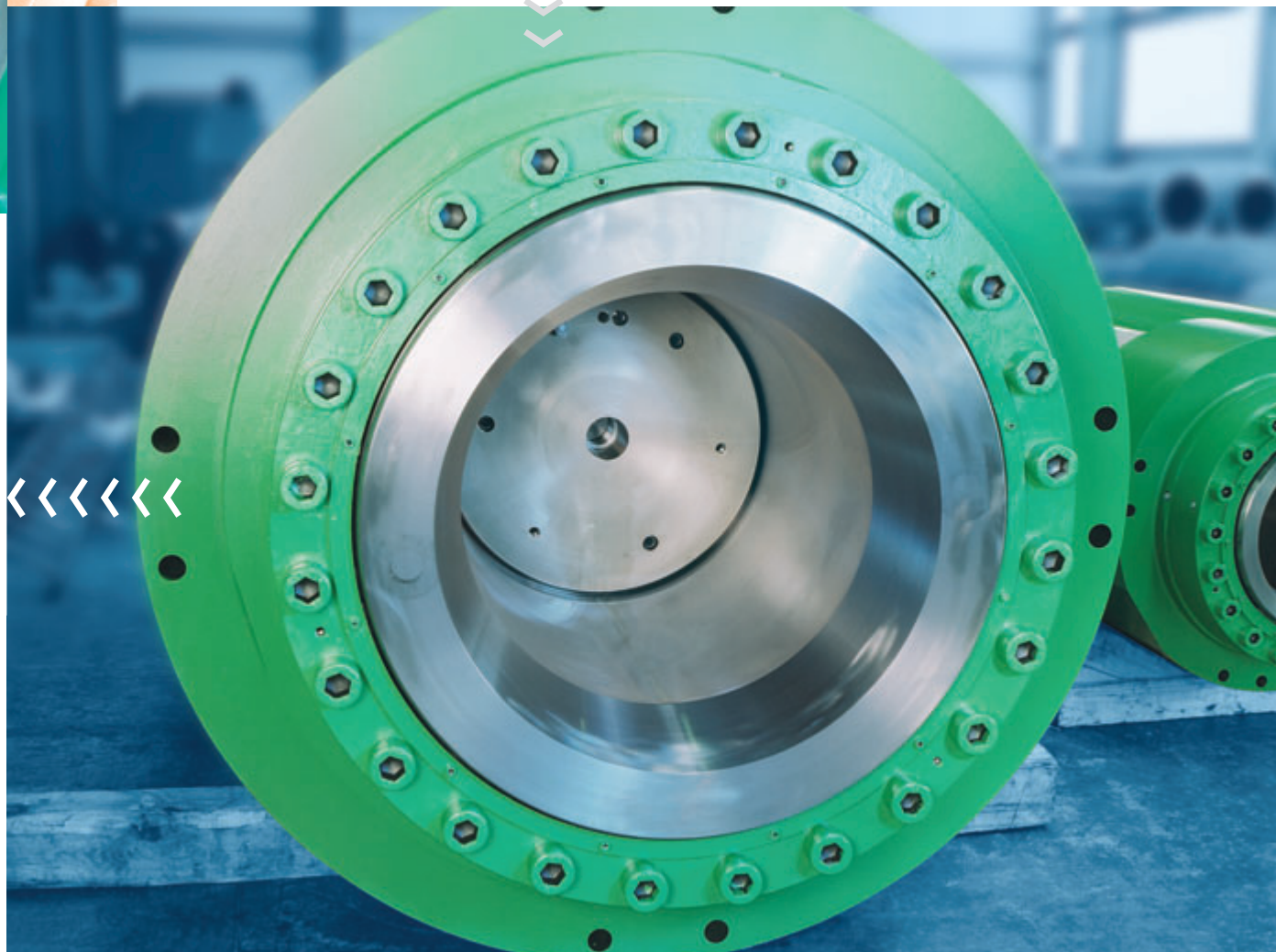


Main- and side cylinders for open-die forging press
Ø 1,750 / Ø 1,070 x 3,500 mm length, 31 tons
Ø 950 / Ø 545 x 3,250 mm length, 9 tons

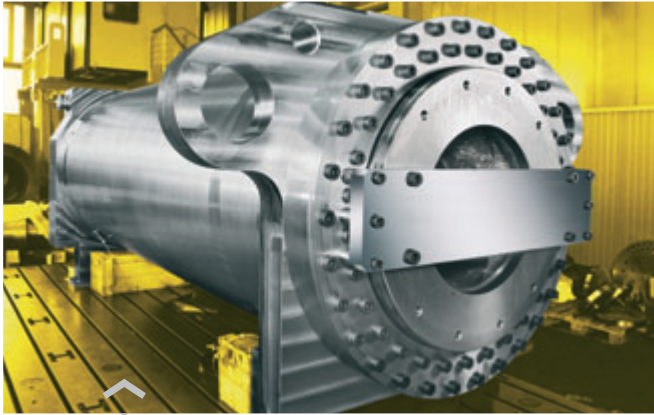
Competence for conception and design



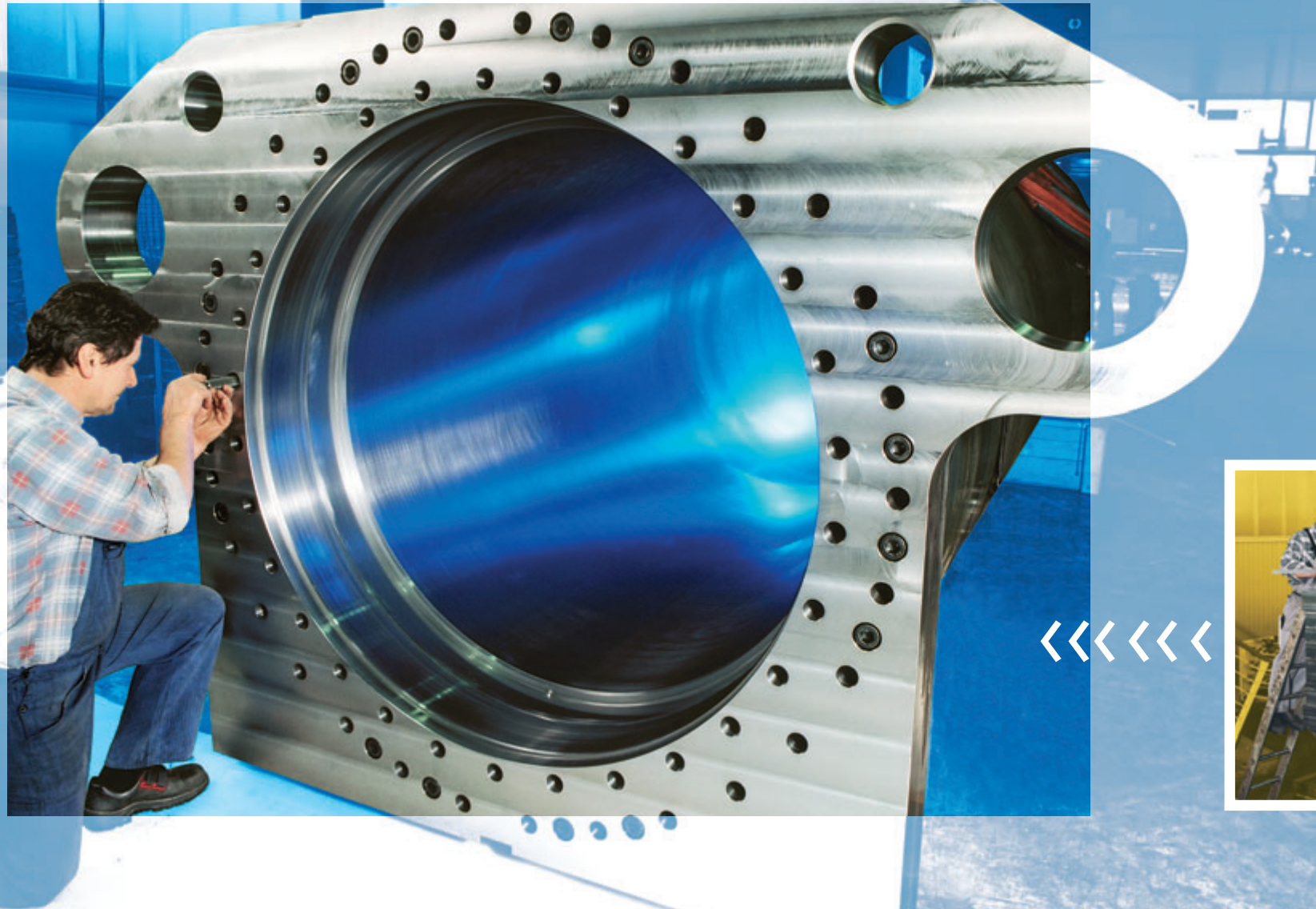
Feed cylinder (thruster) for
manipulators in longitudinal forging press
Ø 330 / Ø 190 x 11,500 resp. 16,200 mm length



High quality and advanced technology



Hydrostatic cylinder for hydraulic pressure test for pipeline tubes, $\varnothing 1,700 / \varnothing 1,260 \times 6,100$ mm length, 52 tons



High precision

PRODUCTION



6-pole motor armature, 16 tons, completely machined on a machining center

Products

- Air pressure cylinders
- Cylinder pipes
- Coiler mandrels
- Generator rotors for gas and wind power stations
- Gear shafts
- Hydraulic cylinders
- Pistons
- Parts for naval industry
- Shafts for the rolling mill industry
- Threaded spindles
- Tension rods

and other heavy-duty, large high-precision machine elements

Fields of Application

- Automobile industry
 - Cement industry
 - Electrical industry
 - Gear construction
 - Heavy machinery
 - Mining industry
 - Naval industry
 - Press construction
 - Rolling mill industry
 - Special machinery industry
 - Shipbuilding
- and others

Qualified and motivated staff—
modern machinery

Generator shaft, milling of winding slots



Milling of threaded spindle Ø 720 x 4,000 mm for screw press



Spherical pressure ring Ø 1,875 x 510 mm for hydraulic cylinder—balancing of lateral force



Press cylinder Ø 1,090 x 3,100 mm for the automobile industry