Program summary

ROEMHELD Group

Workholding elements
Hydraulic cylinders

Workholding systems
Machine vices

Zero point clamping systems

Clamping power units

Hydraulic components

Pneumatic elements

Handling technology

Press-in devices

Drive technology

Die clamping systems

Magnetic clamping technology

System solutions

Products for productivity
Quality
as an obligation

To take a leadership role in the national as well as international quality competition the ROEMHELD Group feels obliged to a continuous process of improvements. Thereby the high quality of the processes and products is always guaranteed even with continuously changing demands on the market.

Certification as per EN ISO 9001:2000 guarantees the compliance with standard guidelines.

In addition, it is a stated objective to make the products and services of the ROEMHELD Group an established idea of quality. This will be a long-term guarantee that the ROEMHELD Group will offer efficient and economic products and will contribute to a considerable extent to the success of its customers.

Solutions
from the catalogue or as a customer-specific design

In addition to the most comprehensive range of catalogue elements and systems, available in clamping technology, the ROEMHELD Group permanently develops, designs, manufactures and supplies customer-specific solutions in cooperation with their customers.

This program summary of the product range of the ROEMHELD Group shows essentially the catalogue program.

Please contact for customer-specific designs the corresponding companies of the ROEMHELD Group.

International
aimed at global presence

Beside national customers, which are well looked after by 17 sales partners in Germany, export is more and more important. Already today the ROEMHELD Group shows an export share of approx. 50 %, which increases to more than 65 % because of indirect exports.

Subsidiaries in Great Britain, France, USA, Japan, and South Korea as well as numerous sales partners guarantee worldwide an intensive consultation, an efficient sale and an extensive service for the customers of the ROEMHELD Group.

Environment
the protection of the environment is important to us

The companies of the ROEMHELD Group have their own environmental management systems. These ensure that the impact of the production on the outside world is kept to a minimum, only the necessary extent of emissions occur and resources such as energy, water, air and raw materials are used as carefully as possible.

The environmental management system of ROEMHELD is certified according to EN ISO 14001.
ROEMHELD a strong Group

ROEMHELD forms together with the specialists in clamping technology HILMA and STARK a group of companies, which offers an extensive product range in the field of clamping technology for production engineering. The product range is supplemented by numerous hydraulic elements for general industrial use, as well as components and systems of the assembly and drive technology. The ROEMHELD Group comprises about 500 employees with an annual turnover of approx. 98 million Euro.

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Schützenstraße 74
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Germany
www.roemheld-group.com

Stark Spannsysteme GmbH
Kommingerstrasse 48
6840 Götzis
Austria
www.stark-inc.com
Hydraulic cylinders | Hydraulic workholding elements

Hydraulic cylinders for linear motions of every type operating pressure: up to 500 bar

**Hydraulic cylinders**

Hydraulic cylinders, design with tube with/without end position monitoring piston diameter: 25…80 mm stroke: 60…1200 mm

**Universal cylinders**

Hydraulic cylinders with round housing for axial adjustability piston diameter: 10…63 mm stroke: 8…100 mm

**Threaded-body cylinders**

Compact hydraulic cylinders and built-in pistons for screwing in piston diameter: 8…50 mm stroke: 4…40 mm

**Block Cylinders**

Hydraulic cylinders with block-type body made of steel, aluminium or bronze with/without end position monitoring piston diameter: 16…200 mm stroke: 8…200 mm

**Hydraulic slides**

Hydraulic cylinders with integrated guides with/without end position monitoring piston diameter: 25…100 mm stroke: 20…200 mm
Hydraulic elements for positioning and clamping of workpieces operating pressure: up to 500 bar

### Bore clamps
Clamping elements for clamping in bore holes
with/without centring function / with pull-down clamping
with/without seat check
bore hole diameter: 6.6 … 46 mm
max. low-clamping force 0.6 … 24.5 kN

### Position flexible clamping elements
Clamping elements for “floating” clamping
for exterior and interior clamping
with/without position monitoring
max. clamping force: 7.5 kN

### Clamps / clamping cylinders
Clamping elements for clamping in small recesses
with/without position monitoring
with/without self-locking
max. clamping force: 2.5 … 50 kN

### Hinge clamps
Clamping elements with operation of a clamping lever
with/without position monitoring
max. clamping force: 1.3 … 21.5 kN
clamping stroke/clamping range: 2.0 … 9.0 mm

### Swing clamps
Clamping elements with swing piston
with/without position monitoring
max. clamping force: 0.6 … 41 kN
clamping stroke: 6 … 50 mm

### Work supports
Elements to support workpieces
single or double acting
max. load force 4 … 102 kN
plunger diameter: 16 … 50 mm
plunger stroke: 6 … 20 mm

### Concentric clamping elements
Clamping elements for concentric positioning and clamping
for exterior and interior clamping
max. clamping force: 5 … 44 kN
repetitive clamping accuracy: ± 0.005 mm

### Fixture clamps
Compact standard clamping systems for use on fixtures
with fixed jaw, concentric or position flexible
max. clamping force: 6.5 … 15 kN
jaw width: 40 … 65 mm

### Hollow-piston cylinders
Clamping cylinders with through hole in the piston
piston diameter: 20 … 80 mm
max. push force: 10 … 153 kN
clamping stroke: 6 … 40 mm
## Workholding systems | Machine vices

Mechanically, mechanically-hydraulically or hydraulically operated standard fixtures for workpieces

<table>
<thead>
<tr>
<th>Machine vices</th>
<th>Series EL</th>
<th>Series NC</th>
<th>Series KNC</th>
</tr>
</thead>
<tbody>
<tr>
<td>mechanically-hydraulically or hydraulically operated clamping against the fixed jaw</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>• with hydraulic power transmission</td>
<td>• completely encapsulated lead screw area sizes: 100…160 mm</td>
<td>max. clamping force: 25…50 kN</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5-axis clamping systems</th>
<th>Series MC</th>
<th>Series SCS</th>
<th>Series PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>mechanically or hydraulically operated clamping against the fixed jaw or concentric clamping</td>
<td><img src="image4.png" alt="Image" /></td>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>• compact design</td>
<td>• collision-free tool paths sizes: 40…125 mm</td>
<td>max. clamping force: 8…35 kN</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Double and multiple clamping systems</th>
<th>Series DS</th>
<th>Series DF</th>
<th>Series MSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>mechanically, mechanically-hydraulically or hydraulically-operated clamping against the fixed jaw</td>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
<td><img src="image9.png" alt="Image" /></td>
</tr>
<tr>
<td>• safe loading and unloading by 3rd-hand function</td>
<td>sizes: 24…160 mm</td>
<td>max. clamping force: 25…63 kN</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compact clamping systems</th>
<th>Series CS</th>
<th>Series DCS</th>
<th>Series DUO</th>
</tr>
</thead>
<tbody>
<tr>
<td>single and double clamping systems mechanically or hydraulically operated clamping against the fixed jaw</td>
<td><img src="image10.png" alt="Image" /></td>
<td><img src="image11.png" alt="Image" /></td>
<td><img src="image12.png" alt="Image" /></td>
</tr>
<tr>
<td>• compact design</td>
<td>• different overall lengths sizes: 80 mm</td>
<td>max. clamping force: 12…20 kN</td>
<td></td>
</tr>
</tbody>
</table>
### Variant clamping system VarioLine
**Series VL**
- **Mechanically-hydraulically** or hydraulically operated clamping against the fixed jaw
- **Option:** clamping force display
- **System with variants for customised machine vices**
- Sizes: 100…160 mm
- Max. clamping force: 25…60 kN
- Length of base: up to 750 mm

### Concentric clamping systems
**Series ZH**
- Hydraulically operated, double acting concentric clamping
- High repetitive clamping repeatability ± 0.01 mm
- Fixing and mounting possibilities for customer-specific clamping jaws
- Sizes: 100…160 mm
- Max. clamping force: 16…64 kN

### Automation
**Series ASH**
- Hydraulically operated, double acting clamping against the fixed jaw
- Also available with position measuring system (electrically or via flow rate)
- Setups can be automated
- Hydraulic stroke: up to 250 mm
- Max. clamping force: 32 kN

### Tower clamping systems
**Series TS**
- Arrangement of the clamping points: TS: 4 x 90° | TS-TriStar: 3 x 120°
- Mechanically operated clamping against the central fixed jaw
- For 4, 8 or 16 workpieces
- 3rd-hand function for safe loading and unloading
- Sizes: 24…160 mm
- Max. clamping force: 12…60 kN

### Milling and turning machining
**Series KK**
- Box jaws
  - Mechanically operated
  - Lead screw and nut completely encapsulated
  - Easy pre-adjustment using a scale
  - Track: 150 and 180 mm
  - Max. clamping force: 30…63 kN

### Magnetic clamping systems M-TECS
**Series M-TECS V**
- Horizontal or vertical
- Easy positioning of workpieces
- 5-sided workpiece machining
- Square poles: 50 or 70 mm
- Plate thickness: 310x250 up to 1000x610 mm
- As well as versions as per customer’s request
- Max. retention force: 350…750 daN/Pol

### Clamping jaws
- **Top jaws with grip**
- **Spacer jaws**
- **Precision step reversible jaws**
- **Precise step bars**
- **Formed jaws**
- **Central jaws**
- **Pendulum jaws**
- **Precision step jaws**
- **Vee jaws**
- **QIS base jaws**
- **QIS interchangeable jaws, smooth**
- **QIS interchangeable jaws, serrated**
- **QIS interchangeable jaws, crowned**
- **QIS interchangeable jaws, stepped**
- **QIS interchangeable jaws, prismatic**
- **QIS interchangeable jaws, soft floating central jaws**
- **SlimFlex jaws**
- **Clamping jaws, soft**
- **Clamping jaws, extra high**
- **Clamping jaws, extra large**
- **Clamping jaws with grip bar**
- **Special grip jaws**
- **Reversible step jaws**
- **Interchangeable inserts, round, with grip**
- **Interchangeable inserts with grip/smooth**
- **Interchangeable inserts with hard-metal coating/smooth reversible jaws**
Zero point clamping systems
Clamping systems for exact zero point positioning and clamping of the workpieces and fixtures

SPEEDY metec
easy, compact and sturdy
clamping: mechanically unclamping: mechanically max. retention force: 12…50 kN

SPEEDY classic
clamping force monitoring, seat check, blast cleaning, flow power
clamping: mechanically unclamping: hydraulically or pneumatically max. insertion force: 30 kN max. retention force: 55 kN

SPEEDY airtec
quick and precise
clamping: mechanically unclamping: pneumatically max. clamping force: 20 kN max. retention force: 55 kN

SPEEDY easy click
clamping by pressing
clamping: mechanically unclamping: pneumatically max. clamping force: 5 kN max. retention force: 10 kN

SPEEDY hydratec
quick and flexible
clamping: hydraulically unclamping: hydraulically max. clamping force: 20 kN max. retention force: 38 kN

SPEEDY sweeper
for the automation
clamping: mechanically unclamping: hydraulically or pneumatically max. insertion force: 20 kN max. retention force: 38 kN

System 3000
strong and unique
clamping: hydraulically unclamping: hydraulically max. clamping force: 50 kN

Couplings
universal and compact
for hydraulics, pneumatics vacuum and electrics nominal diameters: 3…8 mm
Plates – Angles – Cubes

From standard elements to systems for flexible use - with minimum set-up time

Quick-locking plates

for milling machining
from standard components, adapted to the machine and machining task
• fully assembled with 3D dimensional and functional test

Quick-locking plates

for turning machining
from standard components, adapted to the machine and the machining task
• standard clamping monitoring
• applicator for pre-centring

Quick-locking cubes

for milling machining
from standard components, adapted to the machine and the machining task
• 3rd-hand-function (DHF) prevents the dropping of the parts

Quick-locking plates

for the automation
from standard components, adapted to the machine and machining task
• flow power as interface for pneumatic or hydraulic clamping fixtures and signal queries
Clamping power units | Pressure generators

Clamping power units, hydraulic power units, hydro-pneumatic pump units and manually-operated pumps to generate and control hydraulic pressure

**Power units D 8.010**
compact and lightweight
energy-saving intermittent cycling
flow rate: 0.5 ... 0.8 l/min
max. operating pressure: 200 bar
reservoir volume: approx. 3.5 l
voltage: 400 VAC or 24 VDC

**Power units D 8.0115**
ready for connection
energy-saving intermittent cycling
flow rate: 0.8 ... 3.5 l/min
max. operating pressure: 160 ... 500 bar
reservoir volume: approx. 5 l
voltage: 400 VAC

**Power units D 8.013**
with two-hand operator console
flow rate: 0.9 ... 4.5 l/min
max. operating pressure: 50 ... 500 bar
reservoir volume: approx. 11 l
voltage: 400 VAC

**Power units D 8.015 | D 8.018**
with proportional pressure adjustment
flow rate: 0.9 ... 4.5 l/min
max. operating pressure: 200 ... 500 bar
reservoir volume: approx. 11 l
voltage: 400 VAC

**Power units D 8.021**
basic version
flow rate: 0.9 ... 6.2 l/min
max. operating pressure: 50 ... 500 bar
reservoir volume: approx. 11 l
voltage: 400 VAC

**Power units D 8.031**
oil reservoir V = 27 l, 40 l and 63 l
flow rate: 4.5 ... 24 l/min
max. operating pressure: 50 ... 500 bar
voltage: 400 VAC

**Hydro-pneumatic pump units**
for single and double acting cylinders
flow rate: 0.85 ... 1.5 l/min
air pressure: 0.85 ... 5.0 bar
max. operating pressure: 500 bar

**Manually-operated pumps**
Hydraulic pumps
for single-acting cylinders
operation by hand or foot lever
displacement per stroke: 2 ... 12 cm³
Screw pumps
displacement: 21 cm³
Hydraulic components

Elements for oil supply and control to hydraulic elements

**Hydraulic valves**
- Directional control and shut-off valves
- Throttle and pressure control valves
- Pressure relief valves
- Check valves
- Sequence valves
- Valve combinations

**Hydraulic accumulator**
- Diaphragm accumulator for hydraulic oil with nitrogen gas filling
  - nominal volume: 13…750 cm³
  - connections: G ¼ … G ½
  - max. operating pressure: 250…500 bar

**Rotary couplings**
- Rotary couplings and rotary valve couplings
  - for oil supply to rotating and swivelling installations
  - max. operating pressure: 500 bar

**Intensifiers**
- hydraulic-hydraulic or pneumatic-hydraulic
  - single and double acting
  - max. output pressure: 500 bar

**Pressure transducer**
- Piston pressure switch
  - with continuously adjustable switching point
  - manifold mounting or G ¼
- Pressure sensors with radio transmission
  - receiver units with data interfaces

**Coupling elements**
- for hydraulic oil, compressed air and vacuum
  - nominal diameter: ND 3 … 8
  - max. flow rate 8 … 35 l/min
  - max. operating pressure: 300 … 500 bar

**Multi-couplings**
- 2 to 12 passages
  - nominal diameter: ND 5 … 8
  - depressurised coupling or coupling against pressure
  - max. operating pressure: 300 bar

**High-pressure filters**
- In-line filters, plug-in filters and rectifier filter
  - filter fineness: 10 and 100 µm
  - material: stainless steel and steel
  - max. operating pressure: 350 and 500 bar

**Coupling units and systems**
- manually or automatically operated
  - for single or double acting elements
  - max. operating pressure: 400 and 500 bar

**Piping elements**
- Fittings
  - Hydraulic hoses / Hydraulic oil
  - Precision steel pipes
  - Plug-in connectors
  - Pressure gauges / pipe clamps
Electro-mechanical clamping elements

Electric swing clamps
max. clamping force: 7 kN
clamping stroke: 23 mm
swing angle: max. 180°
voltage: 24 V DC

Electric block cylinders
max. clamping force: 10 … 20 kN
stroke: 100 mm
voltage: 24 / 48 V DC

Electric work supports
max. load force 20 kN
plunger stroke: 20 mm
voltage: 24 V DC

Electric wedge clamping elements
max. retention force: 130 … 320 kN
clamping stroke: 20 mm
voltage: 24 V DC

FSS clamping systems
Flexible clamping and support elements for clamping of thin-walled workpieces with free-form surfaces

Clamping and supporting elements
elements with their own linear actuator and vacuum clamping technology
piston rod Ø: up to 70 mm
strokes: 100 up to 1000 mm
max. axial support force: 1.2 … 12.0 kN

The core elements of a FSS clamping system are the clamping and support elements that can be used in unlimited quantity and that together form the contact surface of the workpiece. Since each element can be positioned individually on the relevant workpiece geometry, FSS clamping systems allow for a flexible configuration of individual surfaces to clamp and support workpieces. Depending on the workpiece surface and geometry, clamping forces of 300 N per element and more can be obtained.
# Drive technology

Electrically and manually operated linear actuators for adjusting procedures under demanding conditions in industry, automotive engineering and medicine technology

## Electrically-operated linear actuators
- Voltage: 12 or 24 VDC
- Version with limit switches or stroke measuring system
- Max. force: 0.3 … 6.0 kN
- Stroke: 100 … 600 mm

## Manually-operated linear actuators
- Manual-hydraulic version
- Max. force: 4.5 … 12.5 kN
- Stroke: 140 … 600 mm

# Pneumatic elements

Pneumatically operated swing clamps and rotary couplings for pneumatics

## Pneumatic swing clamps
- With adjustable magnetic sensors
- Double acting
- Max. clamping force: 140 … 1400 N
- Max. operating pressure: 7 bar

## Pneumatic rotary valve couplings
- Number of stations: 5 … 8
- Nominal diameter: 3
- Max. operating pressure: 10 bar
**Handling technology**

**modulog** module programme – modules for rotating, lifting, tilting and moving of heavy workpieces

Individual modules can be easily combined to built multi-functional units

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### Rotating modules – horizontal axis

- for rotation of the workpiece around the horizontal axis
- manually or electrically operated
- option: indexing
- option: flow power
- workpiece weight: up to 200 kg

### Rotating modules – vertical axis

- for rotation of the workpiece around the vertical axis
- manually or electrically operated
- option: flow power
- workpiece weight: up to 1000 kg

### Lifting modules

- for guided lifting and lowering of the workpiece
- operated by a hydraulic or electrical actuator
- workpiece weight: up to 600 kg
- max. strokes: 200…1000 mm

### Tilting modules

- for tilting or swivelling of the workpiece around an axis between the final positions 0° and 90°
- manually or electrically operated
- option: indexing
- workpiece weight: up to 100 kg

### Cart modules

- to displace manually individual modules or module combinations
- with parking brake
- max. load: 2000 and 6000 N

### Floor modules

- base frame for 1 or 2 modules
- to compensate unevenness of the floor space and good stability
- max. load: 6000 and 8000 N

### Clamping fixtures

- to clamp workpieces on **modulog** modules
  - hydraulic and mechanical clamping elements with universal clamping plate
  - quick-change mounting plate with STARK zero point clamping system

### Accessories

- Base plates, Adaptor plates, Flange plates, Table plates, Supply units, Hand panels, Foot switches, Operating panels, Power supply for mobile systems, Command modules
Press-in devices

**modupress** module programme – hydraulically or electrically-operated press in devices for power-operated processes such as jointing, pressing-in, jolting, deforming and riveting

**Press-in devices P 1.100**
- Portal design
- Hydraulic drive
- Creep/rapid speed control with optional force/stroke monitoring
- Max. press-in force: 40…100 kN

**Press-in devices P 1.101**
- Portal design
- Electrical drive
- Creep/rapid speed control with optional force/stroke monitoring
- Max. press-in force: 7 and 25 kN

**Press-in devices P 1.102**
- Portal design
- Hydraulic drive
- Creep/rapid speed control with programming of the operating time
- Max. press-in force: 40…100 kN

**Press-in devices P 1.200**
- C-frame design
- Hydraulic drive
- Creep/rapid speed control with optional force/stroke monitoring
- Max. press-in force: 40…100 kN

**Press-in devices P 1.201**
- C-frame design
- Electrical drive
- Creep/rapid speed control with optional force/stroke monitoring
- Max. press-in force: 7 and 25 kN

**Press-in devices P 1.202**
- C-frame design
- Hydraulic drive
- Creep/rapid speed control with programming of the operating time
- Max. press-in force: 40…100 kN

**Accessories**
- Protection cabins, Light grids, Sliding tables, Sensor technology, Quick-disconnect couplings
## Die clamping systems

Die clamping and changing systems for press automation
Quick changing systems for machines, presses and equipments

### Hydraulic workholding elements

**Hollow-piston cylinders**
for retrofitting on press bed and ram

**Spring clamping cylinders**
for spring-loaded long-term clamping

**Angular clamps**
for clamping on small clamping edges

**Clamping bars**
flat clamping element for bed and ram
max. clamping force: 30…116 kN, piston stroke: up to 8 mm

**Double-T clamping bars**
to use the complete bed or ram surface
max. clamping force: 16…320 kN

**Sliding clamps**
for insertion in T-slots
max. clamping force: 19…78 kN, piston stroke: up to 12 mm

**Swivel and pull clamps**
clamping cylinders with tie rods

**Wedge clamps**
sturdy clamping elements for straight or inclined clamping edge
max. clamping force: 1250 kN

**Block clamps**
with self-locking mechanical lock
max. clamping force: 200 kN

**Pull-type clamping element**
max. clamping force: 104…160 kN, clamping stroke: 10 mm

**Swing/swing sink clamping elements**
without interfering edges when inserting the die
max. clamping force: 60…164 kN

**Rapid clamping systems**
automatic travelling units with clamping element

**Pull-type cylinders**
pull-type cylinder with tie rod for inaccessible points

**Wedge swing clamps**
with mechanical lock

**Grip rail couplings**
rapid clamping system for grip rails
### Electro-mechanical clamping elements

- **Tenon-type clamping elements**
  clamping by grip and pull movement

- **Swivel and pull clamps**
  clamping by swivel and lifting movement

- **Swing clamps**
  clamping by swing and lifting movement

  max. clamping force: 70...160 kN

- **Wedge clamping elements**
  compact electro-mechanical power package
  max. clamping force: 160 kN, retention force 300 kN

- **Angular clamps**
  clamping in any position of the travelling path
  max. clamping force: 50 kN, retention force 320 kN

### Mechanical clamping elements

- **Sliding clamps**
  with integral high-pressure spindle

- **Clamping blocks with high-pressure spindle**
  with integral high-pressure spindle

- **High-pressure spindles, separate**
  with integral wedge system

  max. clamping force: 40...120 kN

- **Clamping nuts, mechanical**
  without / with clamping force display
  max. clamping force: 60...200 kN

- **Clamping nuts, hydro-mechanical**
  with integral hydraulic cushion
  max. clamping force: 60...150 kN

### Die changing technology

- **Roller bars**
  hydraulic or spring-loaded

- **Ball bars**
  hydraulic or spring-loaded

- **Roller conveyors**
  without lifting

- **Roller and ball inserts**
  spring-loaded

- **Carrying consoles, hanging**
  max. load per pair: 5...30 kN

- **Carrying consoles, supported**
  max. load per pair: 20...250 kN

- **Carrying consoles, swivelling**
  max. load per pair: 10...60 kN

### Carrying carts

- for handling of dies up to 500 kg
  with ball table, hydraulic height adjustment and safety docking station

- **Die changing consoles**
  with drive system for die weights up to 250 kN
Magnetic clamping technology

M-TECS magnetic clamping plates and systems for injection moulding machines, forming presses, rubber presses, mould carriers, milling machines and machining centres

**M-TECS 130-K**
for the plastics industry
max. temperature range: 130 °C
plate thickness: 47 mm

**M-TECS 240-D**
for die-casting machines
max. temperature range: 240 °C
plate thickness: 55 mm

**M-TECS 80-F**
for mould carrier systems
max. temperature range: 80 °C
plate thickness: 47 mm

**M-TECS 80-B**
for sheet metal forming
max. temperature range: 80 °C
plate thickness: 55…67 mm

**M-TECS 240-G**
for the rubber and Duroplast industry
max. temperature range: 240 °C
plate thickness: 55…75 mm

**M-TECS 80-B**
for sheet metal forming
max. temperature range: 80 °C
plate thickness: 55…67 mm

**M-TECS 240-G**
for the rubber and Duroplast industry
max. temperature range: 240 °C
plate thickness: 55…75 mm

**M-TECS 40-F**
for machining
max. temperature range: 40 °C
plate thickness: 55…67 mm

Locking cylinders

To fix rotors of on- and offshore wind power plants for maintenance works

**Rotorlock**
hydraulic, mechanical or electro-mechanical
sizes: up to 7500 kN side load
with position monitoring
corrosion protection as per DIN ISO 12944
max. temperature range: –40 … +70 °C
System solutions for production engineering

Consulting, design, planning, engineering, construction design, production, delivery, start up and maintenance of clamping and positioning systems

All from a single source
From the idea to the engineering up to start up and maintenance
If it is the matter of planning of clamping systems for a new machine tool or of optimising and transition to flexible of already existing clamping processes, we give you our advice and support.
Based on your demands, we develop for you ideas and support you in engineering, start up and maintenance.

Expert know-how on call
Individual consultation and services
From the first consultation free of cost up to order-related services, our activities for all tasks are adapted to your requests and objectives.
If it is a matter of preparation of concepts or constructional sketches for partial or complete solutions or calculations of amortisations or detailed designs:
You decide yourself which services you would like to use.

Approved and reliable solutions
Clamping and fixture systems made of standard modules
With the experience in realising versatile individual projects in the individual companies of the ROEMHELD Group, we are now in the position to offer an unique, modular product range of clamping and fixture systems.
The use of approved and reliable standard modules is the key for optimised production and engineering costs and guarantees the realisation of individual system solutions without risks.

System solutions – directly from the manufacturer of power workholding
Customer-specific clamping and positioning systems
Our engineering know-how and the huge number of fully-developed clamping and positioning technologies in the ROEMHELD Group allows us to produce and to deliver customer-specific systems.
Due to design and production of the relevant components within the ROEMHELD Group we have access to extended know-how and well-proven production engineering, which together with our engineering know-how guarantees a fully-developed and reliable function of the complete system.
Are you interested in an individual consultation or do you have any questions about our products?

We are pleased to support you.

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