RK Selection Guides
Help selecting a product – a focus on your application

The comprehensive RK Rose+Krieger product portfolio provides you with multiple components for your scope of application.

With this brochure we would like to help you to select a product for your application in a simple way. If required, you will find detailed information in the respective main catalogues. If you do not find the right product or you would like some help making a choice, our product consultants are of course available.

Starting with your application, the three RK selection guides „Linear Technology”, „Profile Technology” and „Connecting Technology” direct you to the right product in just a few steps.

Why try for so long…

...when it’s quicker with our system
LINEAR TECHNOLOGY
Moving and positioning

- Linear units
- Electric cylinder
- Lifting columns

PROFILE TECHNOLOGY
Combining profiles without mechanical processing!

- Structural profiles
- Functional profiles
- Heavy duty profiles

CONNECTING TECHNOLOGY
Connecting precision round and square tubes reliable and stable

- Light Clamps (Plastic)
- Solid Clamps (Aluminium)
- Robust Clamps (Stainless steel)
Guiding, adjustment, positioning or uniform motion, the requirements for linear motion operations are as numerous as the solutions. We offer you a wide spectrum of linear motion components, starting with an occasional manual movement, as well as frequent operation, through to continuous high dynamic positioning.

In order for you to preselect the most suitable range quick and easy, we have developed a system which is strictly application orientated. You can determine the most suitable size and design based on your performance requirements from within the range. We are always here, of course, to assist you personally with your selection.

Linear technology
...ready-to-install components

- positioning
- lifting
- tensioning
- shifting
- moving
- and much more
The four steps to your product recommendation

Step 1: The application is always the focus
- Width, length and height adjustment
- Loading and unloading, palletising, pick & place
- Numerically controlled operation tasks

Step 2: Which product design do you want?
- Rodless style (Linear actuator)
- Rodstyle (E-cylinder, lifting column)

Step 3: What features should the product have?
- Guide
- Drive
- Guide + drive

Step 4: Which performance category do you require?
- Travel
- Load
- Speed
- Accuracy
- etc.

...follow our system and the terms are self explanatory.
The RK Linear Circle

Features:

- Manual or electric drive
- Occasional to daily multiple adjustment
- Low duty cycle
- Low speed
- Moderate to high stability

Your application takes center stage

Width, length, height adjustment

Place-Tec (continue on page 10)

Move-Tec (continue on page 8)
Loading and unloading, palletising, pick & place

Features:
✓ High repeatability
✓ Short cycle time
✓ High number of cycles
✓ 3-shift operation
✓ High reliability

Control-Tec
continue on page 12

Numerically controlled travel

Features:
✓ High positioning accuracy
✓ Uniform motion
✓ High drive stiffness
✓ 3 shift operation
✓ IP40 protected
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Travel (mm)</th>
<th>Fd max (N)</th>
<th>Fy max (N)</th>
<th>Fz max (N)</th>
<th>Vmax (mm/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RK LightUnit</td>
<td>Rodless style (up to 6 m travel)</td>
<td>920</td>
<td>300</td>
<td>550</td>
<td>1,210</td>
<td>14</td>
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<tr>
<td>E / E-II / E-II-stainless</td>
<td>Single tube actuator</td>
<td>2,740</td>
<td>4,500</td>
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<td>5,650</td>
<td>22</td>
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<tr>
<td>EP(X) / EP(X)-II</td>
<td>Twin tube</td>
<td>2,760</td>
<td>4,500</td>
<td>14,000</td>
<td>9,100</td>
<td>32</td>
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<tr>
<td>M9 E-cylinder</td>
<td>Drive</td>
<td>50</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>14</td>
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<tr>
<td>010 E-cylinder</td>
<td>Drive</td>
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<td>500</td>
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<td>22</td>
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<tr>
<td>015 E-cylinder</td>
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<td>100</td>
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<td>Multilift</td>
<td>Single stage lifting columns</td>
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<tr>
<td>Multilift II</td>
<td>Single stage lifting columns</td>
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</tr>
<tr>
<td>RK Slimlift</td>
<td>Twin stage lifting columns</td>
<td>500</td>
<td>4,000</td>
<td>2,000</td>
<td>2,000</td>
<td>32</td>
</tr>
</tbody>
</table>

**Move-Tec** Width, length and height adjustment
Place-Tec  Loading and unloading, palletising, pick & place

Guide

PL
Travel max: 5,860 mm
Fx max: 2,810 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

SQ
Travel max: 5,850 mm
Fx max: 2,810 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

RK MonoLine
Travel max: 5,780 mm
Fx max: 4,367 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

Roller guide actuators

PLZ
Travel max: 5,808 mm
Fx max: 2,810 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

SQZ
Travel max: 5,898 mm
Fx max: 2,810 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

RK MonoLine
Travel max: 5,780 mm
Fx max: 4,800 N
Fy max: 9,400 N
Fz max: 5,200 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

Roller guides

SQ MT
Travel max: 17,446 mm
Fx max: 2,810 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

SQ ZST
Travel max: 29,530 mm
Fx max: 1,132 N
Fy max: 2,550 N
Fz max: 2,550 N
v max: 5 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

Roller guide actuators

Rodless style (up to 6 m travel, D-Line 50 m travel)

Drive + Guide (Linear actuator)

Rod style (up to 30 m travel)

Drive + Guide (Linear actuator)
**LM**
- Travel max: 5,670 mm
- Fy max: 7,000 N
- Fz max: 7,000 N
- v max: 10 m/s
- a max: 20 m/s²

**LMZ**
- Travel max: 5,700 mm
- Fx max: 3,400 N
- Fy max: 7,000 N
- Fz max: 7,000 N
- v max: 10 m/s
- a max: 20 m/s²
- Repeatability ± 0,05 mm

**MultiLine R**
- Travel max: 5,620 mm
- Fy max: 8,200 N
- Fz max: 12,000 N
- v max: 5 m/s
- a max: 50 m/s²

**MultiLine**
- Travel max: 5,620 mm
- Fx max: 4,700 N
- Fy max: 8,200 N
- Fz max: 12,000 N
- v max: 5 m/s
- a max: 50 m/s²
- Repeatability ± 0,05 mm

**RK DuoLine R**
- Travel max: 7,692 mm
- Fy max: 5,100 N
- Fz max: 8,900 N
- v max: 5 m/s
- a max: 50 m/s²

**RK DuoLine Z**
- Travel max: 9,010 mm
- Fx max: 6,000 N
- Fy max: 5,100 N
- Fz max: 8,900 N
- v max: 5 m/s
- a max: 50 m/s²
- Repeatability ± 0,05 mm

**D-Line (on request)**
- Travel max: 50,000 mm
- Fx max: 4,700 N
- Fy max: 10,000 N
- Fz max: 10,000 N
- v max: 5 m/s
- a max: 50 m/s²
- Repeatability ± 0,1 mm

For detailed information, sizing, accessories, motors and controls please look in our main catalogue ‘Linear Technology’
Control-Tec    Numerically controlled travel

**Rodless style**  (up to 4.4 m travel)

**Guide**

**DuoLine S**
- Travel max: 4,440 mm
- Fx max: 8,000 N
- Fy max: 5,100 N
- Fz max: 8,900 N
- Mx max: 500 Nm
- My max: 1,200 Nm
- Mz max: 1,150 Nm
- v max: 2.5 m/s
- a max: 20 m/s²
- Positioning ability ± 0.05 mm

**Ball return rails actuators**

**RK DuoLine R**
- Travel max: 7,692 mm
- Fy max: 5,100 N
- Fz max: 8,900 N
- v max: 5 m/s
- a max: 50 m/s²

**Heavy load cylinder**

**LZ 70 FL/PL E-cylinder**
- Travel max: 1,000 mm
- Fd max: 5,000 N
- Fz max: 5,000 N
- v max: 1.000 mm/s
- Positioning accuracy ± 0.05 mm

**SLZ 63 KG FL/PL E-cylinder**
- Travel max: 1,000 mm
- Fd max: 10,000 N
- Fz max: 10,000 N
- v max: 1,250 mm/s
- Positioning accuracy ± 0.05 mm

**SLZ 90 E-cylinder**
- Travel max: 1,900 mm
- Fd max: 25,000 N
- Fz max: 25,000 N
- v max: 933 mm/s
- Positioning accuracy ± 0.1 mm

For detailed information, sizing, accessories, motors and controls please look in our main catalogue 'Linear Technology'
Application example: sorting machine of empties
Selection guide profile technology

What matters is not only the profile, it is also the connection between the profiles. Years of application experience have resulted in an industrial aluminium profile system which can meet almost any requirements. Unlimited creativity combined with the highest levels of flexibility and proven reliability offers you multiple possible solutions to your requirements.

Benefit from all the advantages, especially connection without machining being required. The success of a system is the sum of its parts, based on strong individual parts.

In order for you to preselect the most suitable range quick and easy, we have developed a system which is strictly application orientated. You can determine the most suitable size and design based on your performance requirements within the range.

We are always here, of course, to assist you personally with your selection.

Save the drilling...

...there’s no need for!
The three steps to your product recommendation

Step 1: The application always takes centre stage

- Stable versatile structures
- Additional visual and functional benefit
- Heavy duty with highest stability

Step 2: Which dimension do you need?

- Stability
- Section modulus
- Mass optimization

Step 3: Which function do you need?

- Configuration (square, rectangular, rounded, angular)
- Number of slots
- Easy assembling
- Additional functions: visible design or frame profiles

...follow our system and the terms are self explanatory..
The RK Profile Circle

Stable versatile structures

Features:
- ✔ Fixing slots on all sides
- ✔ Unlimited applications
- ✔ Minimized design effort
- ✔ Cost optimisation

Structural Profiles

Your application takes centre stage

continue on page 18
Your application takes center stage

**Functional Profiles**

*continue on page 20*

- Attractive design
- Many additional functions
- Flexible

**Additional visual and functional benefit**

**Heavy Duty Profiles**

*continue on page 22*

- High dynamic
- Large structures
- Easy transportable

**Heavy duty with highest stability**
### Structural Profiles

#### Stable versatile structures

<table>
<thead>
<tr>
<th>Size</th>
<th>Profile</th>
<th>Wx (cm³)</th>
<th>Wy (cm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>F-30x30</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td></td>
<td>F-30x60</td>
<td>5.3</td>
<td>9.9</td>
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<tr>
<td></td>
<td>F-30x80</td>
<td>7.0</td>
<td>16.9</td>
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<td>F-30x100</td>
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<td>20.0</td>
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<td>40</td>
<td>F-40x40</td>
<td>5.5</td>
<td>5.5</td>
</tr>
<tr>
<td></td>
<td>F-40x40-L</td>
<td>3.6</td>
<td>3.6</td>
</tr>
<tr>
<td></td>
<td>F-40x80</td>
<td>11.3</td>
<td>22.2</td>
</tr>
<tr>
<td></td>
<td>F-40x80-L</td>
<td>7.4</td>
<td>15.7</td>
</tr>
<tr>
<td></td>
<td>F-40x80/3</td>
<td>10.0</td>
<td>19.7</td>
</tr>
<tr>
<td>50</td>
<td>F-50x50</td>
<td>11.6</td>
<td>11.6</td>
</tr>
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<td></td>
<td>F-50x50-L</td>
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<td>9.0</td>
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<td>F-50x100</td>
<td>17.6</td>
<td>36.1</td>
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<td>60</td>
<td>F-60x60</td>
<td>17.1</td>
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<td>F-60x60/1</td>
<td>18.1</td>
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<td>F-60x60-L</td>
<td>14.1</td>
<td>14.2</td>
</tr>
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<td>80</td>
<td>F-80x80</td>
<td>38.8</td>
<td>38.8</td>
</tr>
<tr>
<td></td>
<td>F-80x80/2</td>
<td>38.4</td>
<td>38.4</td>
</tr>
<tr>
<td></td>
<td>F-80x80-L</td>
<td>28.8</td>
<td>28.8</td>
</tr>
<tr>
<td></td>
<td>F-80x80/2-L</td>
<td>36.1</td>
<td>36.1</td>
</tr>
<tr>
<td>100/120</td>
<td>F-100x100</td>
<td>60.8</td>
<td>60.8</td>
</tr>
</tbody>
</table>
Structural profiles

F-30x120
Wx = 10,2 cm³
Wy = 36,6 cm³

F-30x160
Wx = 13,3 cm³
Wy = 64,1 cm³

F-40x120
Wx = 14,7 cm³
Wy = 42,2 cm³

F-40x160
Wx = 19,9 cm³
Wy = 72,4 cm³

F-50x200
Wx = 32,1 cm³
Wy = 122,4 cm³

F-60x120
Wx = 31,5 cm³
Wy = 62,0 cm³

F-80x160
Wx = 77,4 cm³
Wy = 140,9 cm³

F-80x160-L
Wx = 72,8 cm³
Wy = 128,1 cm³

F-120x120
Wx = 110,8 cm³
Wy = 110,8 cm³

For detailed information, sizing and accessories, please have a look in our main catalogue Profile Technology BLOCAN®
Visible design profiles

Size 30
- F-G 30x30
  - $W_x = 2.1 \text{ cm}^3$
  - $W_y = 2.1 \text{ cm}^3$
- F-GG 30x30
  - $W_x = 2.1 \text{ cm}^3$
  - $W_y = 2.1 \text{ cm}^3$
- F-2G 30x30
  - $W_x = 2.2 \text{ cm}^3$
  - $W_y = 2.4 \text{ cm}^3$
- F-3G 30x30
  - $W_x = 2.2 \text{ cm}^3$
  - $W_y = 2.4 \text{ cm}^3$
- W 30-30°
  - $W_x = 1.5 \text{ cm}^3$
  - $W_y = 1.8 \text{ cm}^3$
- W 30-45°
  - $W_x = 1.4 \text{ cm}^3$
  - $W_y = 1.7 \text{ cm}^3$
- W 30-60°
  - $W_x = 1.8 \text{ cm}^3$
  - $W_y = 1.9 \text{ cm}^3$
- W 30-90°
  - $W_x = 2.9 \text{ cm}^3$
  - $W_y = 2.9 \text{ cm}^3$
- F-R 30
  - $W_x = 1.2 \text{ cm}^3$
  - $W_y = 1.2 \text{ cm}^3$

Size 40
- F-G 40x40
  - $W_x = 4.8 \text{ cm}^3$
  - $W_y = 4.9 \text{ cm}^3$
- F-GG 40x40
  - $W_x = 4.8 \text{ cm}^3$
  - $W_y = 4.8 \text{ cm}^3$
- F-2G 40x40
  - $W_x = 4.6 \text{ cm}^3$
  - $W_y = 4.7 \text{ cm}^3$
- F-3G 40x40
  - $W_x = 4.9 \text{ cm}^3$
  - $W_y = 4.9 \text{ cm}^3$
- F-G 40x80
  - $W_x = 10.4 \text{ cm}^3$
  - $W_y = 20.6 \text{ cm}^3$
- F-GG 40x80
  - $W_x = 10.7 \text{ cm}^3$
  - $W_y = 22.0 \text{ cm}^3$
- G-40x40
  - $W_x = 5.2 \text{ cm}^3$
  - $W_y = 19.6 \text{ cm}^3$
- G-40x80
  - $W_x = 9.3 \text{ cm}^3$
  - $W_y = 19.6 \text{ cm}^3$

Size 50
- F-G 50x50
  - $W_x = 8.6 \text{ cm}^3$
  - $W_y = 8.9 \text{ cm}^3$
- F-GG 50x50
  - $W_x = 8.4 \text{ cm}^3$
  - $W_y = 8.7 \text{ cm}^3$
- F-2G 50x50
  - $W_x = 8.3 \text{ cm}^3$
  - $W_y = 8.7 \text{ cm}^3$
- F-3G 50x50
  - $W_x = 9.0 \text{ cm}^3$
  - $W_y = 9.1 \text{ cm}^3$
- SP-50x50
  - $W_x = 8.2 \text{ cm}^3$
  - $W_y = 8.3 \text{ cm}^3$

Size 60
- F-G 60x60
  - $W_x = 12.6 \text{ cm}^3$
  - $W_y = 12.7 \text{ cm}^3$
- F-GG 60x60
  - $W_x = 12.5 \text{ cm}^3$
  - $W_y = 12.8 \text{ cm}^3$
- F-2G 60x60
  - $W_x = 12.1 \text{ cm}^3$
  - $W_y = 13.0 \text{ cm}^3$
- F-3G 60x60
  - $W_x = 11.9 \text{ cm}^3$
  - $W_y = 13.7 \text{ cm}^3$

Size 80
- F-G 80x80
  - $W_x = 34.8 \text{ cm}^3$
  - $W_y = 33.0 \text{ cm}^3$
- F-GG 80x80
  - $W_x = 34.1 \text{ cm}^3$
  - $W_y = 34.1 \text{ cm}^3$
- F-2G 80x80
  - $W_x = 33.3 \text{ cm}^3$
  - $W_y = 35.0 \text{ cm}^3$
- F-3G 80x120A
  - $W_x = 52.8 \text{ cm}^3$
  - $W_y = 77.9 \text{ cm}^3$
Frame profiles

Size 30
- KL-30x30-3
  \( W_x = 1.5 \text{ cm}^3 \)
  \( W_y = 1.8 \text{ cm}^3 \)
- KL-30x40
  \( W_x = 2.7 \text{ cm}^3 \)
  \( W_y = 2.5 \text{ cm}^3 \)
- KLE-30x30
  \( W_x = 2.0 \text{ cm}^3 \)
  \( W_y = 1.9 \text{ cm}^3 \)
- KLV 30x15
  \( W_x = 1.4 \text{ cm}^3 \)
  \( W_y = 4.4 \text{ cm}^3 \)
- KLV 30x30
  \( W_x = 3.1 \text{ cm}^3 \)
  \( W_y = 3.1 \text{ cm}^3 \)
- KLV 30x45
  \( W_x = 1.2 \text{ cm}^3 \)
  \( W_y = 1.8 \text{ cm}^3 \)
- KLV 30x60
  \( W_x = 1.7 \text{ cm}^3 \)
  \( W_y = 4.1 \text{ cm}^3 \)
- KLV 30x90
  \( W_x = 2.7 \text{ cm}^3 \)
  \( W_y = 4.1 \text{ cm}^3 \)

Size 40
- ESP 30
  \( W_x = 1.4 \text{ cm}^3 \)
  \( W_y = 1.8 \text{ cm}^3 \)
- ESP 30/2
  \( W_x = 1.5 \text{ cm}^3 \)
  \( W_y = 1.8 \text{ cm}^3 \)
- KL-40x40-3
  \( W_x = 3.5 \text{ cm}^3 \)
  \( W_y = 4.1 \text{ cm}^3 \)
- KLD-40x40
  \( W_x = 4.6 \text{ cm}^3 \)
  \( W_y = 5.5 \text{ cm}^3 \)
- KLE-40x40
  \( W_x = 1.1 \text{ cm}^3 \)
  \( W_y = 4.6 \text{ cm}^3 \)
- KLW 40x15
  \( W_x = 2.6 \text{ cm}^3 \)
  \( W_y = 3.9 \text{ cm}^3 \)
- KLW 40x30
  \( W_x = 3.8 \text{ cm}^3 \)
  \( W_y = 3.3 \text{ cm}^3 \)
- KLW 40x45
  \( W_x = 4.8 \text{ cm}^3 \)
  \( W_y = 4.4 \text{ cm}^3 \)
- KLW 40x60
  \( W_x = 5.8 \text{ cm}^3 \)
  \( W_y = 5.8 \text{ cm}^3 \)
- KLW 40x90
  \( W_x = 6.1 \text{ cm}^3 \)
  \( W_y = 5.8 \text{ cm}^3 \)

Special profiles

Size 15
- 15x40
  \( W_x = 1.3 \text{ cm}^3 \)
  \( W_y = 3.3 \text{ cm}^3 \)
- 15x60
  \( W_x = 1.9 \text{ cm}^3 \)
  \( W_y = 7.0 \text{ cm}^3 \)
- 15x80
  \( W_x = 2.5 \text{ cm}^3 \)
  \( W_y = 11.9 \text{ cm}^3 \)
- 15x120
  \( W_x = 3.6 \text{ cm}^3 \)
  \( W_y = 25.8 \text{ cm}^3 \)
- 15x160
  \( W_x = 4.8 \text{ cm}^3 \)
  \( W_y = 44.9 \text{ cm}^3 \)

Size 20
- F-20x20
  \( W_x = 0.8 \text{ cm}^3 \)
  \( W_y = 0.8 \text{ cm}^3 \)
- F-20x40
  \( W_x = 1.3 \text{ cm}^3 \)
  \( W_y = 2.7 \text{ cm}^3 \)
- F-R 20
  \( W_x = 0.6 \text{ cm}^3 \)
  \( W_y = 0.5 \text{ cm}^3 \)
- F-G 20x20
  \( W_x = 0.7 \text{ cm}^3 \)
  \( W_y = 0.7 \text{ cm}^3 \)
- F-GG 20x20
  \( W_x = 0.7 \text{ cm}^3 \)
  \( W_y = 0.7 \text{ cm}^3 \)
- KL 20x20
  \( W_x = 0.8 \text{ cm}^3 \)
  \( W_y = 0.8 \text{ cm}^3 \)
- KLD 20x40
  \( W_x = 0.7 \text{ cm}^3 \)
  \( W_y = 0.7 \text{ cm}^3 \)
- KLE 20x20
  \( W_x = 0.7 \text{ cm}^3 \)
  \( W_y = 0.7 \text{ cm}^3 \)

Size 40
- 2x40
  \( W_x = 7.9 \text{ cm}^3 \)
  \( W_y = 11.3 \text{ cm}^3 \)
- 3x40
  \( W_x = 8.8 \text{ cm}^3 \)
  \( W_y = 14.1 \text{ cm}^3 \)
- 8x40
  \( W_x = 27.6 \text{ cm}^3 \)
  \( W_y = 27.6 \text{ cm}^3 \)

For detailed information, sizing and accessories, please have a look in our main catalogue Profile Technology BLOCAN®
Heavy Duty Profiles

Heavy duty profiles

Size 80

D-80x80
\( W_x = 49.6 \text{ cm}^3 \)
\( W_y = 49.8 \text{ cm}^3 \)

D-80x160
\( W_x = 91.6 \text{ cm}^3 \)
\( W_y = 174.6 \text{ cm}^3 \)

D-80x240
\( W_x = 135.2 \text{ cm}^3 \)
\( W_y = 355.7 \text{ cm}^3 \)

Size 160

D-160x160
\( W_x = 311.7 \text{ cm}^3 \)
\( W_y = 311.7 \text{ cm}^3 \)

D-160x240
\( W_x = 450.2 \text{ cm}^3 \)
\( W_y = 611.1 \text{ cm}^3 \)

D-160x320
\( W_x = 582.0 \text{ cm}^3 \)
\( W_y = 976.1 \text{ cm}^3 \)
### Profile connection types

Over the years RK Rose+Krieger has developed a number of profile variants. Corresponding connection types are available according to the type of profile and application.

<table>
<thead>
<tr>
<th><strong>Features:</strong></th>
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</thead>
<tbody>
<tr>
<td>✓ Machining of profiles is not necessary</td>
</tr>
<tr>
<td>– no additional costs, no shavings</td>
</tr>
<tr>
<td>✓ Supplementary moving,</td>
</tr>
<tr>
<td>– displacement of mounting position is possible</td>
</tr>
<tr>
<td>– adjustable during assembly</td>
</tr>
<tr>
<td>✓ Minimum preparation effort</td>
</tr>
<tr>
<td>– order and install</td>
</tr>
<tr>
<td>✓ Compatible with other RK Products</td>
</tr>
</tbody>
</table>

#### Flange bracket for structural / functional profiles

- **Features:**
  - Economical connecting types
    - Low installation costs
  - Additional machining of profile is not necessary
  - Dynamic, highly loudable screw connection
    - Releasable at any time

#### Press mount connector for heavy duty profiles

- **Features:**
  - Machining of profiles is not necessary
    - No additional costs, no shavings
  - Supplementary moving,
    - Displacement of mounting position is possible
    - Adjustable during assembly
  - Minimum preparation effort
    - Order and install
  - Compatible with other RK Products

#### Corner joint and special joint for functional profiles

For detailed information, sizing and accessories, please have a look in our main catalogue Profile Technology BLOCAN®
Features:

- Sturdy protection system in aluminium design
- Minimum of designing efforts thanks to standard modules
- Assembly with no need for machining
- Clamping profiles can receive the most different surface elements
- Smooth, easy-care outer surface, attractive design
- Extensive accessory programme
- Conform to the new European Machinery Directive 2006/42/EC
- Upon request we supply safety guards in accordance with standard DIN EN ISO 14120, protection against mechanical danger.

Pattern overview elements

- Pillars
- Module A
- Module B
- Module C
- Click & Safe

... the fast and easy way to achieve safety guarding
RK Easywork Assembly Workstation-Systems

With the RK Easywork selection tool, a complete assembly work table can be configured online to meet ergonomic and task-specific requirements. Step by step, the selection tool guides you through all of the options on the way to creating your ideal workstation. Additional lighting, holders for grab containers, foot rests, standing chairs and ESD accessories are all available, along with other useful devices.

The RK Easywork workstation system is based on RK Rose+Krieger’s complete modular system. BLOCAN® construction profiles made from aluminium and the electrically driven lifting columns offer a perfect combination for the creation of high-quality table concepts. Customers can choose between the simplest static tables or electrically height-adjustable work tables and configure their own combinations.

**Step 1:** Determine the dimensions required  
**Step 2:** Design your workstation online  
**Step 3:** A detailed offer will be made available  
**Step 4:** A fully-equipped workstation will be delivered

The basic modules:

- Static
- Electrical

For detailed information, sizing and accessories, please have a look in our main catalogue Profile Technology BLOCAN®
Connecting precision round and square tube reliable and stable whilst also making releasing easy appears to be a difficult task. The RK connecting technology, which has been proven over years of use, meets this requirement in a simple and almost perfect fashion.

Why drilling, riveting, welding...

Our versatile connection elements offer you the chance to implement creative and flexible solutions, because you can rely on our product. We are sure to have the right part for you, and if not we will develop one especially for you.

...when it’s quicker with our reliable clamping system.
The four steps to your product recommendation

Step 1: The application always takes centre stage
- Light load range
- Medium to heavy load range
- Shock-proof load range

Step 2: What features should the product have?
- Right angle tube connection
- Axially parallel tube connection
- Hinge tube connection

Step 3: Which product design do you want?
- Single-piece elements: For faster and more economic assembly
- Multi-piece elements: For later on assembly and upgrading

Step 4: Which performance category do you require?
- Round tube
- Square tube
- Ø Diameter
- □ Square

...follow our system and the terms are self explanatory.
The RK Connecting Circle

Features:

- Easy
- Good value
- Variable

Light Clamps

Your application takes center stage

continue on page Seite 30
Solid Clamps
continue on page 32

Robust Clamps
continue on page 34

Features:
✓ Reliable
✓ Solid
✓ Price/Performance optimised
✓ Great variety

Medium to heavy load range

Shock-proof load range

Features:
✓ Extremely strong
✓ Vibration proof
✓ Impact and shock load
✓ Corrosion resistant

Your application takes centre stage
**Light Clamps**  
Light load range

**Plastic:**
- ✓ Corrosion resistant
- ✓ Low weight
- ✓ Usable in food packaging
- ✓ Variable using reducing bushes

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**Single-piece elements**

<table>
<thead>
<tr>
<th>Ø 12 - 30</th>
<th>Ø 12 - 30</th>
<th>Ø 12 - 30</th>
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</thead>
<tbody>
<tr>
<td>□ 10, 20</td>
<td>□ 10, 20</td>
<td>□ 10, 20</td>
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</tbody>
</table>

**Multi-piece elements**

<table>
<thead>
<tr>
<th>Ø 20 - 30</th>
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</table>

Ø = Diameter round tube  
□ = Dimension square tube
For detailed information, sizing and accessories, please look in our main catalogue Connecting Technology.
Solid Clamps  Medium to heavy load range

**Industrial-Design**
- Cast aluminium
- Great variety
- Single-piece elements

**quad® elements**
- Extruded aluminium
- Maximum torque loads
- High-quality anodized surface
- Single- und Multi-piece elements

**Block form**
- Cast aluminium
- Higher torque loads
- Plane surface
- Multi-piece elements

---

**Single-piece elements**

**industrial design**
- Ø 12-80

**quad® elements**
- Ø 30-50

**block form**
- Ø 30-60

**Right angle tube connector**
- Cross clamps
- Angle clamps
- Base clamps

Ø = Diameter round tube
☐ = Dimension square tube
Solid Clamps
Aluminium

Connecting types

Solid Clamps
Aluminium

Axially parallel tube connector

Sleeve clamps
Parallel clamps
Flange clamps

Strap clamps
Hinge clamps

Solid Clamps
Aluminium

For detailed information, sizing and accessories, please see our main catalogue “Connecting Technology”.

33
Robust Clamps  Shock-proof load range

**Stainless steel**
✓ Extremely strong for dynamic loads
✓ High temperature resistant
✓ Corrosion resistant

**Connecting types**

- **Right angle tube connector**
  - Cross clamps
  - Angle clamps
  - Base clamps

- **Axially parallel tube connector**

**Single-piece elements**

- Ø = Diameter round tube
- □ = Dimension square tube
Accessories

Steel tubes
Ø = 12-80
□ = 20-80

Stainless steel tubes
Ø = 12-60
□ = 20-80

Aluminium tubes
Ø = 20-60
□ = 20-60

Aluminium bars
Ø = 8-10
□ = 10

Round tube stopper

Adjustable foot

Steerable castor with tube fitting

Insert nut

Square tube stopper

Adjustable foot with tube fitting

Fixed castor with tube fitting

Adapter sleeve R28

Round tube threaded stopper

Square tube threaded stopper

Adjustable levers

For detailed information, sizing and accessories, please see our main catalogue „Connecting Technology“. 
ITAS industrial stairs and working platforms

No drilling or welding, no bevel cut

ITAS designs make it easy to assemble simple railings as well as sophisticated stairs and working platforms. The ITAS „Internal Tension Application System“ is an easy plug in principle. It reduces assembly time to a minimum. The connection is realized by tightening special clamping screws. The smooth intersections persuade with a pleasant surface feeling and contribute to the overall safety.
Application example ITAS industrial stairs

Equipment Carrier System

 RK Monitor Mounting
all purpose mounting for
monitors, touch panels and
operating units

Variable designs using
standard elements,
for individual attachment
and positioning
of control panels.

For detailed information, sizing and accessories, please see our main catalogue „Connecting Technology“. 
Our service

What we can do for you:

CAD-component library (Part server)

To support your design work we offer component data free of charge in the Rose+Krieger-component library (drawings, technical descriptions). About 60 different file formats (2D/3D) can be selected here.

RK-Infomobile – the exhibition at your location

Over 20 presentation boards with exhibits and functional examples, as well as many applications of drive and linear technology to give you a complete overview of RK products.

RK-Field service – advice on site

Our Key Account managers and sales consultants are happy to visit you on site and help you draw up concrete proposals for practical solutions.

RK-website

On our website you will find lots of information about our company and our products. You will also find your contact partner in your area and the latest catalogue data (in PDF format) to download.

www.rk-rose-krieger.com

Do you need to focus your resources on other tasks and are you looking for a competent partner you can rely on? Working in close collaboration with you, our specialists will develop solutions tailor-made to meet your needs. If you wish, we can also assemble and commission the units on site.

Just make a sketch of your requirements

Our product specialists will devise a solution for you

We can deliver your turnkey solution or assemble and commission it for you on site
Contact Person

Reception
Our receptionists serve as a first point of contact for all requirements and will transfer you to the relevant departments

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32423 Minden / Germany
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E-Mail: info@rk-online.de

Product Consultancy
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Fax: +49 571 9335-139
E-Mail: anfrage.vertrieb@rk-online.de

Order Processing
If you would like to place an order or have a question about an existing order, our sales staff will be pleased to be of assistance.

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Fax: +49 571 9335-159
E-Mail: vkexport@rk-online.de