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.
Loading and unloading, palletising, pick & place

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

Control-Tec

Numerically controlled travel

Features:
- High positioning accuracy
- Uniform motion
- High drive stiffness
- 3 shift operation
- IP40 protected
Move-Tec  Width, length and height adjustment

Rodless style (up to 6 m travel)

Drive + Guide (Linear actuator)

Drive (E-cylinder)

Rod style (up to 2 m travel)

Drive + Guide (Lifting columns)

Guide

Single tube actuator

Twin tube

Twin tube guides

Twin tube

RE
Travel max: 3,000 mm
Fy max: 600 N
Fz max: 2,400 N

E / E-II / E-II-stainless
Travel max: 2,740 mm
Fx max: 4,500 N
Fy max: 5,500 N
Fz max: 5,650 N

EP(X) / EP(X)-II
Travel max: 2760 mm
Fx max: 4,500 N
Fy max: 14,000 N
Fz max: 9,100 N

Cylinder performance class 1

M9 E-cylinder
Travel: 50 mm
Fd max: 300 N
Fz max: 300 N
Vmax: 14 mm/s

010 E-cylinder
Travel max 100 mm
Fd max: 500 N
Fz max: 500 N
Vmax: 22 mm/s

015 E-cylinder
Travel max 140 mm
Fd max: 1,000 N
Fz max: 1,000 N
Vmax: 100 mm/s

Two-stage

Multilift
Travel max: 498 mm
Fd max: 3,000 N
Fz max: 1,000 N
Vmax: 16 mm/s

Multilift II
Travel max: 497 mm
Fd max: 3,000 N
Fz max: 3,000 N
Vmax: 16 mm/s

RK Slimlift
Travel max: 500 mm
Fd max: 4,000 N
Fz max: 2,000 N
Vmax: 32 mm/s

RK LightUnit
Travel max: 920 mm
Fx max: 300 N
Fy max: 550 N
Fz max: 1,210 N

RK Slimlift
Travel max: 500 mm
Fd max: 4,000 N
Fz max: 2,000 N
Vmax: 32 mm/s

Move-Tec Width, length and height adjustment

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RK Slimlift
Travel max: 500 mm
Fd max: 4,000 N
Fz max: 2,000 N
Vmax: 32 mm/s
For detailed information, sizing, accessories, motors and controls please look in our main catalogue 'Linear Technology'.

**Profile Technology**

**Connecting Technology**

**Linear Technology**

### Cylinder performance class 2
- **LAMBDA E-cylinder**
  - Travel max: 600 mm
  - Fd max: 6,000 N
  - Fz max: 4,000 N
  - Vmax: 21 mm/s
- **LZ 60 E-cylinder**
  - Travel max: 597 mm
  - Fd max: 4,000 N
  - Fz max: 4,000 N
  - Vmax: 85 mm/s
- **LZ 70 TR PL E-cylinder**
  - Travel max: 1,000 mm
  - Fd max: 5,000 N
  - Fz max: 5,000 N
  - Vmax: 48 mm/s
- **LZ 80 E-cylinder**
  - Travel max: 1,005 mm
  - Fd max: 10,000 N
  - Fz max: 10,000 N
  - Vmax: 25 mm/s
- **SLZ 63 TR FL/PL E-cylinder**
  - Travel max: 1,005 mm
  - Fd max: 15,000 N
  - Fz max: 15,000 N
  - Vmax: 58 mm/s
- **LZ 70 TR PL E-cylinder**
  - Travel max: 1,000 mm
  - Fd max: 1,600 N
  - Fz max: 800 N
  - Vmax: 30 mm/s

### Profile Technology

- **Profile guides**
- **Profile actuators**

### Multiple-stage lifting columns
- **RK Powerlift telescope**
  - Travel max: 650 mm
  - Fd max: 3,000 N
  - Fz max: 3,000 N
  - Vmax: 30 mm/s
- **Alpha Colonne**
  - Travel max: 600 mm
  - Fd max: 4,500 N
  - Fz max: 4,500 N
  - Vmax: 18 mm/s
- **LAMBDA Colonne**
  - Travel max: 600 mm
  - Fd max: 4,500 N
  - Fz max: 4,500 N
  - Vmax: 20 mm/s

### Multiple-stage lifting columns
- **RK Powerlift telescope**
  - Travel max: 650 mm
  - Fd max: 3,000 N
  - Fz max: 3,000 N
  - Vmax: 30 mm/s
- **Alpha Colonne**
  - Travel max: 600 mm
  - Fd max: 4,500 N
  - Fz max: 4,500 N
  - Vmax: 18 mm/s
- **LAMBDA Colonne**
  - Travel max: 600 mm
  - Fd max: 4,500 N
  - Fz max: 4,500 N
  - Vmax: 20 mm/s

### Lifting columns
- **RK Powerlift**
  - Travel max: 500 mm
  - Fd max: 3,000 N
  - Fz max: 1,500 N
  - Vmax: 50 mm/s
- **RK Multilift II telescope**
  - Travel max: 650 mm
  - Fd max: 1,600 N
  - Fz max: 800 N
  - Vmax: 30 mm/s
- **SLZ 90 E-cylinder**
  - Travel max: 2,000 mm
  - Fd max: 25,000 N
  - Fz max: 25,000 N
  - Vmax: 77 mm/s

### Heavy load cylinders
- **RK DuoLine S**
  - Travel max: 2,984 mm
  - Fd max: 3,400 N
  - Fz max: 3,400 N
  - Vmax: 30 mm/s
- **SLZ 90 E-cylinder**
  - Travel max: 2,000 mm
  - Fd max: 25,000 N
  - Fz max: 25,000 N
  - Vmax: 77 mm/s
**Ball return guides**

**LMZ**
- Travel max: 5,700 mm
- Fx: 3,400 N
- Fy: 7,000 N
- Fz: 7,000 N
- v max: 10 m/s
- a max: 20 m/s²
- Repeatability ± 0.05 mm

**MultiLine R**
- Travel max: 5,620 mm
- Fx: 4,700 N
- Fy: 8,200 N
- Fz: 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
- Fx: 6,000 N
- Fy: 8,900 N
- Fz: 8,900 N
- v max: 5 m/s
- a max: 50 m/s²

**Ball return rails actuators**

**LM**
- Travel max: 5,670 mm
- Fx: 7,000 N
- Fy: 7,000 N
- v max: 10 m/s
- a max: 20 m/s²

**MultiLine**
- Travel max: 5,620 mm
- Fx: 4,700 N
- Fy: 8,200 N
- Fz: 12,000 N
- v max: 5 m/s
- a max: 50 m/s²
- Repeatability ± 0.05 mm

**RK DuoLine Z**
- Travel max: 9,010 mm
- Fx: 6,000 N
- Fy: 5,100 N
- Fz: 8,900 N
- v max: 5 m/s
- a max: 50 m/s²
- Repeatability ± 0.05 mm

**Heavy duty actuators**

**D-Line (on request)**
- Travel max: 50,000 mm
- Fx: 4,700 N
- Fy: 10,000 N
- Fz: 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

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

Ball return rails actuators

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 guides

Guide + Drive
(Linear actuator)

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: 50,000 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

Heavy load cylinder

Rod style
(up to 2 m travel)

Drive
(E-cylinder)

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

Your application takes centre stage

Structural Profiles

continue on page 18
Your application takes center stage

Features:
- Attractive design
- Many additional functions
- Flexible

Heavy duty with highest stability

Features:
- High dynamic
- Large structures
- Easy transportable

Functional Profiles
continue on page 20

Additional visual and functional benefit

Heavy Duty Profiles
continue on page 22

RK ROSE+KRIEGER
<table>
<thead>
<tr>
<th>Size</th>
<th>Profiles</th>
<th>Wx (cm³)</th>
<th>Wy (cm³)</th>
</tr>
</thead>
<tbody>
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<td>F-30x30</td>
<td>2.2</td>
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<tr>
<td></td>
<td>F-30x60</td>
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<td>F-30x80</td>
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<tr>
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<td>F-40x40</td>
<td>5.5</td>
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<tr>
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<td>F-40x40-L</td>
<td>3.6</td>
<td>3.6</td>
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<tr>
<td></td>
<td>F-40x80</td>
<td>11.3</td>
<td>22.2</td>
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<tr>
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<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>
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</tr>
<tr>
<td></td>
<td>F-50x50-L</td>
<td>9.0</td>
<td>9.0</td>
</tr>
<tr>
<td></td>
<td>F-50x100</td>
<td>17.6</td>
<td>36.1</td>
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<td></td>
<td>F-60x60/1</td>
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<td>F-60x60-L</td>
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<td>F-80x80-L</td>
<td>28.8</td>
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<td>100/120</td>
<td>F-100x100</td>
<td>60.8</td>
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### Structural profiles

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<tr>
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<tbody>
<tr>
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<td>10.2 cm³</td>
<td>36.6 cm³</td>
</tr>
<tr>
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<td>13.3 cm³</td>
<td>64.1 cm³</td>
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<td>19.9 cm³</td>
<td>72.4 cm³</td>
</tr>
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<td>32.1 cm³</td>
<td>122.4 cm³</td>
</tr>
<tr>
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<td>31.5 cm³</td>
<td>62.0 cm³</td>
</tr>
<tr>
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<td>77.4 cm³</td>
<td>140.9 cm³</td>
</tr>
<tr>
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<td>72.8 cm³</td>
<td>128.1 cm³</td>
</tr>
<tr>
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<td>72.8 cm³</td>
<td>128.1 cm³</td>
</tr>
<tr>
<td>F-120x120</td>
<td>110.8 cm³</td>
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</tbody>
</table>

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
Wx = 2.1 cm³
Wy = 2.1 cm³

F-GG 30x30
Wx = 2.1 cm³
Wy = 2.1 cm³

F-2G 30x30
Wx = 2.2 cm³
Wy = 2.4 cm³

F-3G 30x30
Wx = 2.2 cm³
Wy = 2.4 cm³

W 30-30°
Wx = 1.5 cm³
Wy = 1.7 cm³

W 30-45°
Wx = 1.4 cm³
Wy = 1.7 cm³

W 30-60°
Wx = 1.8 cm³
Wy = 1.9 cm³

W 30-90°
Wx = 2.9 cm³
Wy = 2.9 cm³

F-R 30
Wx = 1.2 cm³
Wy = 1.2 cm³

Size 40

F-G 40x40
Wx = 4.8 cm³
Wy = 4.9 cm³

F-GG 40x40
Wx = 4.8 cm³
Wy = 4.8 cm³

F-2G 40x40
Wx = 4.6 cm³
Wy = 4.7 cm³

F-3G 40x40
Wx = 4.9 cm³
Wy = 4.9 cm³

F-G 40x80
Wx = 10.4 cm³
Wy = 20.6 cm³

F-GG 40x80
Wx = 10.7 cm³
Wy = 22.0 cm³

G-40x40
Wx = 5.2 cm³
Wy = 5.2 cm³

G-40x80
Wx = 9.3 cm³
Wy = 19.6 cm³

Size 50

F-G 50x50
Wx = 8.6 cm³
Wy = 8.9 cm³

F-GG 50x50
Wx = 8.4 cm³
Wy = 8.7 cm³

F-2G 50x50
Wx = 8.3 cm³
Wy = 8.7 cm³

F-3G 50x50
Wx = 9.0 cm³
Wy = 9.1 cm³

SP-50x50
Wx = 8.2 cm³
Wy = 8.3 cm³

Size 60

F-G 60x60
Wx = 12.6 cm³
Wy = 12.7 cm³

F-GG 60x60
Wx = 12.5 cm³
Wy = 12.8 cm³

F-2G 60x60
Wx = 12.1 cm³
Wy = 13.0 cm³

F-3G 60x60
Wx = 11.9 cm³
Wy = 13.7 cm³

Size 80

F-G 80x80
Wx = 34.8 cm³
Wy = 33.0 cm³

F-GG 80x80
Wx = 34.1 cm³
Wy = 34.1 cm³

F-2G 80x80
Wx = 33.3 cm³
Wy = 35.0 cm³

F-3G 80x120A
Wx = 52.8 cm³
Wy = 77.9 cm³

Additional visual and functional benefit
Frame profiles

Size 30
- KL-30x30-3
  - Wx: 1,5 cm³
  - Wy: 1,8 cm³
- KL-30x40
  - Wx: 1,8 cm³
  - Wy: 2,0 cm³
- KLE-30x30
  - Wx: 1,4 cm³
  - Wy: 1,9 cm³
- KLE-30x40
  - Wx: 1,6 cm³
  - Wy: 2,0 cm³
- KLW 30x15
  - Wx: 3,1 cm³
  - Wy: 4,4 cm³
- KLW 30x30
  - Wx: 3,1 cm³
  - Wy: 4,4 cm³
- KLW 30x45
  - Wx: 1,2 cm³
  - Wy: 1,8 cm³
- KLW 30x60
  - Wx: 1,7 cm³
  - Wy: 2,7 cm³
- KLW 30x90
  - Wx: 1,5 cm³
  - Wy: 4,1 cm³

Size 40
- ESP 30
  - Wx: 1,4 cm³
  - Wy: 1,8 cm³
- ESP 30/2
  - Wx: 1,4 cm³
  - Wy: 1,8 cm³
- STP 30
  - Wx: 6,1 cm³
  - Wy: 3,7 cm³
- KL-40x40-3
  - Wx: 3,5 cm³
  - Wy: 4,1 cm³
- KL-40x40
  - Wx: 4,1 cm³
  - Wy: 5,5 cm³
- KLE-40x40
  - Wx: 4,6 cm³
  - Wy: 4,6 cm³
- KLW 40x15
  - Wx: 1,1 cm³
  - Wy: 3,9 cm³
- KLW 40x30
  - Wx: 2,6 cm³
  - Wy: 3,9 cm³
- KLW 40x45
  - Wx: 2,4 cm³
  - Wy: 2,4 cm³
- KLW 40x60
  - Wx: 3,8 cm³
  - Wy: 3,3 cm³
- KLW 40x90
  - Wx: 5,8 cm³
  - Wy: 5,8 cm³

Special profiles

Size 15
- 15x40
  - Wx: 1,3 cm³
  - Wy: 3,3 cm³
- 15x60
  - Wx: 1,9 cm³
  - Wy: 7,0 cm³
- 15x80
  - Wx: 2,5 cm³
  - Wy: 11,9 cm³
- 15x100
  - Wx: 3,6 cm³
  - Wy: 25,8 cm³
- 15x120
  - Wx: 4,8 cm³
  - Wy: 44,9 cm³
- 15x160
  - Wx: 4,8 cm³
  - Wy: 44,9 cm³

Size 20
- F-20x20
  - Wx: 0,8 cm³
  - Wy: 0,8 cm³
- F-20x40
  - Wx: 1,3 cm³
  - Wy: 2,7 cm³
- F-R 20
  - Wx: 0,6 cm³
  - Wy: 0,5 cm³
- F-G 20x20
  - Wx: 0,7 cm³
  - Wy: 0,7 cm³
- F-GG 20x20
  - Wx: 0,7 cm³
  - Wy: 0,7 cm³
- KL 20x20
  - Wx: 0,8 cm³
  - Wy: 0,8 cm³
- KLD 20x40
  - Wx: 0,7 cm³
  - Wy: 0,7 cm³

Size 40
- 2x40
  - Wx: 7,9 cm³
  - Wy: 11,3 cm³
- 3x40
  - Wx: 8,8 cm³
  - Wy: 14,1 cm³
- 8x40
  - Wx: 27,6 cm³
  - Wy: 27,6 cm³

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
Wx = 49.6 cm³
Wy = 49.8 cm³

D-80x160
Wx = 91.6 cm³
Wy = 174.6 cm³

D-80x240
Wx = 135.2 cm³
Wy = 355.7 cm³

Size 160

D-160x160
Wx = 311.7 cm³
Wy = 311.7 cm³

D-160x240
Wx = 450.2 cm³
Wy = 611.1 cm³

D-160x320
Wx = 582.0 cm³
Wy = 976.1 cm³

Heavy duty with highest stability
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.

Flange bracket for structural / functional 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

Press mount connector for heavy duty profiles

Features:

✓ Economical connecting types
   – low installation costs

✓ Additional machining of profile is not necessary

✓ Dynamic, highly loudable screw connection
   – releasable at any time

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®
Safety Guards

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

<table>
<thead>
<tr>
<th>Pillars</th>
<th>Module A</th>
<th>Module B</th>
<th>Module C</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Pillars" /></td>
<td><img src="image2.png" alt="Module A" /></td>
<td><img src="image3.png" alt="Module B" /></td>
<td><img src="image4.png" alt="Module C" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hinged door</th>
<th>Hinged door (double wing)</th>
<th>Sliding door</th>
<th>Vertical-lift door</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.png" alt="Hinged door" /></td>
<td><img src="image6.png" alt="Hinged door (double wing)" /></td>
<td><img src="image7.png" alt="Sliding door" /></td>
<td><img src="image8.png" alt="Vertical-lift door" /></td>
</tr>
</tbody>
</table>

Video pendulum test DIN EN ISO 14120

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 load range

Light Clamps
continue on page Seite 30

Your application takes center stage
Solid Clamps
continue on page 32

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

Medium to heavy load range

Robust Clamps
continue on page 34

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

Shock-proof load range

cation
e stage
Light Clamps

Light load range

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

Ø = Diameter round tube
☐ = Dimension square tube

Single-piece elements

Cross clamps
Angle clamps
Base clamps

Multi-piece elements

Right angle tube connector

Ø 12 - 30
☐ 10, 20

Ø 12 - 30
☐ 10, 20

Ø 12 - 30
☐ 10, 20

Ø 20 - 30
☐ 20 - 30

Ø 20 - 30
☐ 20 - 30

Ø 20 - 30
☐ 20 - 30
### Light Clamps
Plastic

#### Connecting types

<table>
<thead>
<tr>
<th>Flange clamps</th>
<th>Sleeve clamps</th>
<th>Parallel clamps</th>
<th>Flange clamps</th>
<th>Axially parallel tube connector</th>
<th>Hinge tube connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Flange clamps" /></td>
<td><img src="image2.png" alt="Sleeve clamps" /></td>
<td><img src="image3.png" alt="Parallel clamps" /></td>
<td><img src="image4.png" alt="Flange clamps" /></td>
<td><img src="image5.png" alt="Axially parallel tube connector" /></td>
<td><img src="image6.png" alt="Hinge tube connector" /></td>
</tr>
<tr>
<td>Ø 12 - 30</td>
<td>10, 20</td>
<td>Ø 12 - 30</td>
<td>10, 20</td>
<td>Ø 20 - 30</td>
<td>Ø 12 - 30</td>
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</tr>
</tbody>
</table>

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

Ø = Diameter round tube
☐ = Dimension square tube

Right angle tube connector
Cross clamps
Angle clamps
Base clamps
Solid Clamps
Aluminium

Connecting types

Insert clamps
Sleeve clamps
Parallel clamps
Flange clamps

Axially parallel tube connector

Strap clamps
Hinge clamps

For detailed information, sizing and accessories, please see our main catalogue „Connecting Technology“.
Robust Clamps  Shock-proof load range

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

Connecting types

Robust Clamps
Stainless steel

Right angle tube connector
Cross clamps
Angle clamps
Base clamps

Axially parallel tube connector
Insert clamps

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

<table>
<thead>
<tr>
<th>Round tube stopper</th>
<th>Adjustable foot</th>
<th>Steerable castor with tube fitting</th>
<th>Insert nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square tube stopper</td>
<td>Adjustable foot with tube fitting</td>
<td>Fixed castor with tube fitting</td>
<td>Adapter sleeve R28</td>
</tr>
<tr>
<td>Round tube threaded stopper</td>
<td>Square tube threaded stopper</td>
<td>Adjustable levers</td>
<td></td>
</tr>
</tbody>
</table>

For detailed information, sizing and accessories, please see our main catalogue “Connecting Technology”. 
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“.
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](http://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.
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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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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