RK Selection Guide
Connecting Technology
Profile Technology
Linear Technology
Help selecting a product

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 „Profile Technology“, „Connecting Technology“ and „Linear Technology“, direct you to the right product in just a few steps. As the product range of RK Rose+Krieger is constantly growing, we support you with a functional online tool. Thanks to the new product finder, it is now even faster and easier to reach your goal. Give it a try!

Why try for so long, when it’s quicker with our system
CONNECTING TECHNOLOGY
Connecting precision round and square tubes reliable and stable

- Light Clamps (Plastic)
- Solid Clamps (Aluminium)
- Robust Clamps (Stainless steel)

PROFILE TECHNOLOGY
Combining profiles without mechanical processing!

- Structural profiles
- Functional profiles
- Heavy duty profiles

LINEAR TECHNOLOGY
Moving and positioning

- Linear units
- Electric cylinder
- Lifting columns
Connecting technology

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. 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.

Why drilling, riveting, welding...

...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.
Light load range

Features:

- Easy
- Good value
- Variable
Your application takes centre stage

Solid Clamps
continue on page 10

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

Robust Clamps
continue on page 12

Medium to heavy load range
Features:
• Extremely strong
• Vibration proof
• Impact and shock load
• Corrosion resistant

Shock-proof load range
RK selection guide connecting technology

Light Clamps

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

Right angle tube connector

Cross clamps
Angle clamps
Base clamps

Single-piece elements

Multi-piece elements

Ø = Diameter round tube
□ = Dimension square tube
For detailed information, sizing and accessories, please look in our main catalogue Connecting Technology
RK selection guide connecting technology

Solid Clamps

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

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

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

**Right angle tube connector**

- **Single-piece elements**
  - Ø 30-50
  - Industrial design
  - Ø 12-80

- **quad® elements**
  - Ø 30-50
  - Ø 30-60
  - Ø 30-80

- **Multi-piece elements**
  - Ø 30-60
  - Ø 8-80
  - Ø 42-50

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

Connecting types

Axially parallel tube connector
Sleeve clamps
Parallel clamps
Flange clamps

Hinge tube connector
Strap clamps
Hinge clamps
Ball joints

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

RK ROSE+KRIEGER  Selection Guide – Connecting Technology  11
Robust Clamps

Stainless steel
- Extremely strong for dynamic loads
- High temperature resistant
- Corrosion resistant
- Electro-polished surface

Connecting types

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

**Round tube stopper**

**Square tube stopper**

**Round tube threaded stopper**

**Square tube threaded stopper**

**Adjustable foot**

**Adjustable foot with tube fitting**

**Steerable castor with tube fitting**

**Fixed castor with tube fitting**

**Insert nut**

**Adjustable levers**

**Adapter sleeve R28**

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

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

Equipment Carrier System
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“. 
**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.
RK selection guide profile technology

The RK profile circle

Stable versatile structures

Features:

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

Structural Profiles
continue on page 20

Your application takes centre stage
Additional visual and functional benefit

Features:
- Attractive design
- Many additional functions
- Flexible

Heavy duty with highest stability

Features:
- High dynamic
- Large structures
- Easy transportable
Structural Profiles

Size 30
- F-30x30
  - Wx = 2,2 cm³
  - Wy = 2,2 cm³
- F-30x60
  - Wx = 5,3 cm³
  - Wy = 9,9 cm³
- F-30x80
  - Wx = 7,0 cm³
  - Wy = 16,9 cm³

Size 40
- F-40x40
  - Wx = 5,5 cm³
  - Wy = 5,5 cm³
- F-40x40-L
  - Wx = 3,6 cm³
  - Wy = 3,6 cm³
- F-40x80
  - Wx = 11,3 cm³
  - Wy = 22,2 cm³
- F-40x80-L
  - Wx = 7,4 cm³
  - Wy = 15,7 cm³

Size 50
- F-50x50
  - Wx = 11,6 cm³
  - Wy = 11,6 cm³
- F-50x50-L
  - Wx = 9,0 cm³
  - Wy = 9,0 cm³

Size 60
- F-60x60
  - Wx = 17,1 cm³
  - Wy = 17,1 cm³
- F-60x60/1
  - Wx = 18,1 cm³
  - Wy = 18,1 cm³
- F-60x60-L
  - Wx = 14,1 cm³
  - Wy = 14,2 cm³

Size 80
- F-80x80
  - Wx = 38,8 cm³
  - Wy = 38,8 cm³
- F-80x80/2
  - Wx = 38,4 cm³
  - Wy = 38,4 cm³
- F-80x80-L
  - Wx = 28,8 cm³
  - Wy = 28,8 cm³
- F-80x80/2-L
  - Wx = 36,1 cm³
  - Wy = 36,1 cm³

Size 100/120
### Structural Profiles

<table>
<thead>
<tr>
<th>Profile</th>
<th>Cross-Sectional Area</th>
<th>Bending Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-30x100</td>
<td>Wx= 6.5 cm³</td>
<td>Wy= 20.0 cm³</td>
</tr>
<tr>
<td>F-30x120</td>
<td>Wx= 10.2 cm³</td>
<td>Wy= 36.6 cm³</td>
</tr>
<tr>
<td>F-30x160</td>
<td>Wx= 13.3 cm³</td>
<td>Wy= 64.1 cm³</td>
</tr>
<tr>
<td>F-40x80/3</td>
<td>Wx= 10.8 cm³</td>
<td>Wy= 19.7 cm³</td>
</tr>
<tr>
<td>F-40x120</td>
<td>Wx= 14.7 cm³</td>
<td>Wy= 42.2 cm³</td>
</tr>
<tr>
<td>F-40x160</td>
<td>Wx= 19.9 cm³</td>
<td>Wy= 72.4 cm³</td>
</tr>
<tr>
<td>F-50x100</td>
<td>Wx= 17.6 cm³</td>
<td>Wy= 36.1 cm³</td>
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<tr>
<td>F-50x200</td>
<td>Wx= 32.1 cm³</td>
<td>Wy= 122.4 cm³</td>
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<tr>
<td>F-60x120</td>
<td>Wx= 31.5 cm³</td>
<td>Wy= 62.0 cm³</td>
</tr>
<tr>
<td>F-60x120</td>
<td>Wx= 31.5 cm³</td>
<td>Wy= 62.0 cm³</td>
</tr>
<tr>
<td>F-80x120</td>
<td>Wx= 60.6 cm³</td>
<td>Wy= 83.5 cm³</td>
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<tr>
<td>F-80x160</td>
<td>Wx= 77.4 cm³</td>
<td>Wy= 140.9 cm³</td>
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<tr>
<td>F-80x160-L</td>
<td>Wx= 72.8 cm³</td>
<td>Wy= 128.1 cm³</td>
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<tr>
<td>F-100x100</td>
<td>Wx= 60.8 cm³</td>
<td>Wy= 60.8 cm³</td>
</tr>
<tr>
<td>F-120x120</td>
<td>Wx= 110.8 cm³</td>
<td>Wy= 110.8 cm³</td>
</tr>
</tbody>
</table>

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

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 = 1,8 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 = 4,8 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

4G-40x40
Wx = 5,2 cm³
Wy = 5,2 cm³

4G-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
Frame profiles

Size 30

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

Size 40

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=2,4 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

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
15x120  Wx=3,6 cm³  Wy=25,8 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=0,8 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 20x20  Wx=0,6 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®
RK selection guide profile technology

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.

**Flange bracket for structural / functional profiles**

**Features:**
- Machining of profiles is not necessary – no additional costs, no shavings
- Subsequent shifting of the 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®
RK selection guide profile technology

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>
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<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>

Click & Safe

... the fast and easy way to achieve safety guarding

<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>
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
- Electrically height adjustable

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

Width, length, height adjustment

Features:

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

Your application takes centre stage

Move-Tec
continue on page 32
Loading and unloading, palletising, pick & place

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

Numerically controlled travel

Features:
- High positioning accuracy
- Uniform motion
- High drive stiffness
- 3 shift operation
- IP40 protected
Cylinder performance class 2

**LAMBERTA 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

**SLZ 90 E-cylinder**
- Travel max: 2,000 mm
- Fd max: 25,000 N
- Fz max: 25,000 N
- Vmax: 77 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

**SLZ 90 E-cylinder**
- Travel max: 2,000 mm
- Fd max: 25,000 N
- Fz max: 25,000 N
- Vmax: 77 mm/s

For detailed information, sizing, accessories, motors and controls please look in our main catalogue ‘Linear Technology’
RK selection guide linear technology

Place-Tec

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

**Drive + Guide**
(Linear actuator)

**Roller guide actuators**

- **RK MonoLine**
  - Travel max: 5,780 mm
  - Fy max: 4,367 N
  - Fz max: 2,509 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
  - 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
  - Repeatability ± 0,05 mm

**Ball return guides**

- **RK MonoLine MT**
  - Travel max: 5,614 mm
  - Fx max: 1,500 N
  - Fy max: 4,367 N
  - Fz max: 2,509 N
  - v max: 5 m/s
  - a max: 15 m/s²
  - Repeatability ± 0,05 mm

- **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

**Ball return rails actuators**

- **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

- **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 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

**Guide**

- **RK DuoLine Z**
  - 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

**Rod style**
(up to 30 m travel)

- **Drive + Guide**
  - (Linear actuator)
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

Heavy duty actuators

For detailed information, sizing, accessories, motors and controls please look in our main catalogue 'Linear Technology'
RK selection guide linear technology

Control-Tec

Rodless style
(up to 4.4 m travel)

Guide + Drive
(Linear actuator)

Rod style
(up to 2 m travel)

Drive
(E-cylinder)

Ball return guides

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

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

Ball bushing guide shafts actuators

Guide

Drive

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

EP(X)-II KG
Travel max: 2,520 mm
Fx max: 1,200 N / Fy max: 2,400 N
Fz max: 2,400 N
Mx max: 160 Nm / My max: 250 Nm
Mz max: 280 Nm
v max: 0.24 m/s / a max: 10 m/s²
Positioning ability ± 0.1 mm

Drive (E-cylinder)

Guide

Rodless style
(up to 4.4 m travel)

Guide + Drive
(Linear actuator)

Rod style
(up to 2 m travel)
Application example: sorting machine of empties

For detailed information, sizing, accessories, motors and controls please look in our main catalogue 'Linear Technology'
RK selection guide

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.
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 9335-119
E-Mail: info@rk-online.de

Product Consultancy

Our product specialists will be delighted to advise you when selecting components or system solutions and can prepare a customised quote on request.

Telephone: +49 571 9335-803
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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Online selection guide