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
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 tubes reliable and stable

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

Connecting precision round and square tube reliably 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.
RK selection guide connecting technology

The RK connecting circle

Light load range

Features:
- Easy
- Good value
- Variable

Light Clamps
continue on page 8

Your application takes centre stage
Solid Clamps
continue on page 10

Robust Clamps
continue on page 12

Medium to heavy load range
Features:
- Reliable
- Solid
- Price/Performance optimised
- Great variety

Shock-proof load range
Features:
- Extremely strong
- Vibration proof
- Impact and shock load
- Corrosion resistant

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

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

Right angle tube connector

- Cross clamps
- Angle clamps
- Base clamps
- Insert clamps

Single-piece elements

quad® elements

Ø 12-80
Ø 12-80
Ø 12-80
Ø 18-60

Ø 30-50
Ø 30-50
Ø 30-60

Ø 30-60
Ø 30-60
Ø 30-80

Ø 8-80
Ø 8-80
Ø 42-50

block form

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

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
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
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.

RK selection guide connecting technology
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“. 
RK 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.
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

Functional Profiles
continue on page 22

Heavy Duty Profiles
continue on page 24

Heavy duty with highest stability

Features:
- High dynamic
- Large structures
- Easy transportable
RK selection guide profile technology

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
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<thead>
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<th>Structural profiles</th>
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<td><strong>F-30x100</strong></td>
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<tr>
<td>Wx = 6.5 cm³</td>
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<td>Wy = 20.0 cm³</td>
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<tr>
<td><strong>F-30x120</strong></td>
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<tr>
<td>Wx = 10.2 cm³</td>
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<tr>
<td><strong>F-30x160</strong></td>
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<td>Wx = 13.3 cm³</td>
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<tr>
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<tr>
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<td>Wx = 90.8 cm³</td>
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<td>Wy = 60.8 cm³</td>
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<tr>
<td><strong>F-100x120</strong></td>
</tr>
<tr>
<td>Wx = 110.8 cm³</td>
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<tr>
<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
Frame profiles

Size 30
- KL-30x30-3
  - Wx = 1,5 cm³
  - Wy = 1,8 cm³
- KLD 30x40
  - Wx = 2,7 cm³
  - Wy = 2,0 cm³
- KLE-30x30
  - Wx = 2,0 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 = 1,5 cm³
  - Wy = 4,1 cm³
- KLW 30x60
  - Wx = 2,7 cm³
  - Wy = 4,1 cm³
- ESP 30
  - Wx = 1,4 cm³
  - Wy = 1,8 cm³
- ESP 30/2
  - Wx = 1,5 cm³
  - Wy = 1,8 cm³
- STP 30
  - Wx = 6,1 cm³
  - Wy = 3,7 cm³

Size 40
- KL-40x40-3
  - Wx = 3,5 cm³
  - Wy = 4,1 cm³
- KLD 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 = 1,7 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
- ESP 40
  - Wx = 2,7 cm³
  - Wy = 3,5 cm³
- ESP 40/2
  - Wx = 3,0 cm³
  - Wy = 3,6 cm³
- STP 40
  - Wx = 9,7 cm³
  - Wy = 6,1 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
- 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
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
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>
</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>
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<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
- 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

RK selection guide linear technology

Continue on page 32

Your application takes centre stage
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
RK selection guide linear technology

**Move-Tec**

- **Twin tube actuators**
  - **RK LightUnit**
    - Travel max: 920 mm
    - Fx max: 300 N
    - Fy max: 550 N
    - Fz max: 1,210 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

- **Single tube actuator**
  - **RK Slimlift**
    - Travel max: 500 mm
    - Fd max: 4,000 N
    - Fz max: 2,000 N
    - Vmax: 32 mm/s
  - **Multilift II**
    - Travel max: 497 mm
    - Fd max: 3,000 N
    - Fz max: 3,000 N
    - Vmax: 16 mm/s

- **Two-stage lifting columns**
  - **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

- **Cylinder performance class 1**
  - **Multilift**
    - Travel max: 498 mm
    - Fd max: 3,000 N
    - Fz max: 1,000 N
    - Vmax: 16 mm/s

- **Guide**
  - **Rodless style** (up to 6 m travel)
  - **Drive + Guide** (Linear actuator)
  - **Drive** (E-cylinder)
  - **Drive + Guide** (Lifting columns)

- **Guide**
  - **Rod style** (up to 2 m travel)
For detailed information, sizing, accessories, motors and controls please look in our main catalogue ‘Linear Technology’
RK selection guide linear technology

**Place-Tec**

**Guide**

**Roller guides**
- **RK MonolLine**
  - 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

**Ball return guides**
- **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

**Roller guide actuators**
- **RK MonolLine**
  - 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

**Ball return rails actuators**
- **MultiLine**
  - 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

**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)

**Roller guide actuators**
- **RK MonolLine 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

**RK selection guide linear technology**

Roller guides
- **RK MonolLine**
  - 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

**Ball return guides**
- **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

**Roller guide actuators**
- **RK MonolLine**
  - 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

**Ball return rails actuators**
- **MultiLine**
  - 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

**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)
Heavy duty actuators

**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'.
RK selection guide linear technology

Control-Tec

**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

**Ball bushing guide shafts actuators**

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

**Guide + Drive**
(Linear actuator)

**Ball return guides**

**Rod style**
(up to 2 m travel)

**Drive**
(E-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

**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
Application example: sorting machine of empties

For detailed information, sizing, accessories, motors and controls please look in our main catalogue ‘Linear 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](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.

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