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.

**Why try for so long...**

...when it’s quicker with our system
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

Your application takes center stage

Features:

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

Place-Tec
continue on page 8

Move-Tec
continue on page 6
Your application takes center stage

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

Loading and unloading, palletising, pick & place

Features:
- High positioning accuracy
- Uniform motion
- High drive stiffness
- 3 shift operation
- IP40 protected

Numerically controlled travel
Move-Tec  Width, length and height adjustment

**Rodless style**  (up to 6 m travel)

**Drive + Guide**  (Linear actuator)

**Drive**  (E-cylinder)

**Drive + Guide**  (Lifting columns)

**Guide**

**Twin tube**

**Single tube actuator**

**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: 2,760 mm
- Fx max: 4,500 N
- Fy max: 14,000 N
- Fz max: 9,100 N

**RE**
- Travel max: 3,000 mm
- Fy max: 600 N
- Fz max: 2,400 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
Place-Tec Loading and unloading, palletising, pick & place

Guide

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

Drive + Guide
(Linear actuator)

Roller guides

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: 2,509 N
Fz max: 2,509 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: 4,367 N
Fy max: 2,509 N
Fz max: 2,509 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

Roller guide actuators

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

Drive + Guide
(Linear actuator)

Rod style
(up to 30 m travel)
LM
Travel max: 5,670 mm
Fx max: 7,000 N
Fy max: 7,000 N
v max: 10 m/s
a max: 20 m/s²
Repeatability ± 0,05 mm

LMZ
Travel max: 5,700 mm
Fx max: 7,000 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
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

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

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

RK DuoLine R
Travel max: 7,692 mm
Fx max: 5,100 N
Fy max: 8,900 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: 8,900 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’
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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