

CLAMPING ELEMENTS | PNEUMATIC SERIES LKPS

▶ PRODUCT ADVANTAGES



- ▶ **broad range of products**
For all common profile rail guides
- ▶ **Energize to open (NC)**
through spring-loaded energy storage
- ▶ **high durability**
Up to 5 million static clamping cycles
- ▶ **Small and narrow design**
By using U-form piston
- ▶ **Safety element**
Safe clamping in case of energy failure

▶ THE BEST PRODUCT FOR YOUR APPLICATION

APPLICATION SCENARIOS

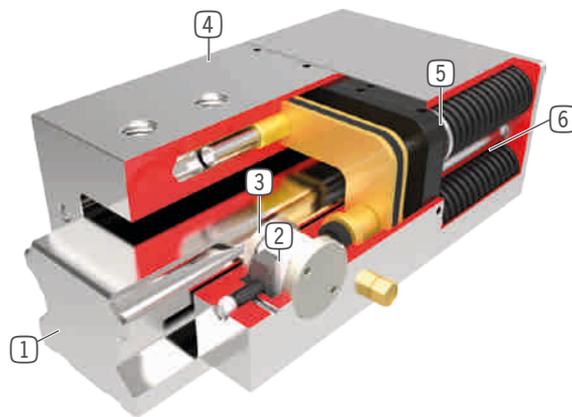
- ▶ **Clamping in case of pressure drop**
- ▶ **Clamping without energy requirement**

FURTHER INFORMATION

- ▶ **Spacer plate**
In addition, a spacer plate might have to be ordered as height compensation, depending on the height of the rail carriage (dimension D).
- ▶ **Special variants on request, e.g.**
With low opening pressure (3.0 bar or 4.0 bar)
With additional air connection (from above, from the front)

► BENEFITS IN DETAIL

- ① **Profile rail guide**
- Available for all common profile rail guides
- ② **Wedge-type gear**
- Power transmission between piston and clamping jaw
- ③ **Clamping jaw**
- Pressed at the free surfaces of the profile rail guide
- ④ **Narrow housing**
- chemically nickel plated steel
- ⑤ **Pneumatic piston**
- The piston moves the wedge-type gear longitudinally
- ⑥ **Spring-loaded energy storage**
- For non-pressurized closing of the clamping unit



► INFORMATION ON THE SERIES

TECHNICAL DATA

Rail size	15-35 mm
Holding force	400-1900 N
Pressure min. / max.	5.5 / 6.5
Spring storage	existing
PLUS connection	No
Static clamping cycles (B10d value)	up to 5 million
Dynamic braking cycles	not suitable
Operation	pneumatic
Operating temperature	-10 ... +70 [°C]



► Technical Information

All information just a click away at: www.zimmer-group.de

Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired model.

Quick, clear and always up-to-date.

► Selection guide for clamping and braking elements

Whatever the possible application – here, you'll find the right product.

Easy selection of the right element for any rail-carriage combination: www.zimmer-group.de/de/plt.

CLAMPING ELEMENTS | PNEUMATIC SERIES LKP

▶ PRODUCT ADVANTAGES



- ▶ **broad range of products**
For all common profile rail guides
- ▶ **Energize to close (NO)**
Closing with pressure
- ▶ **high durability**
Up to 5 million static clamping cycles
- ▶ **Small and narrow design**
By using U-form piston

▶ THE BEST PRODUCT FOR YOUR APPLICATION

APPLICATION SCENARIOS

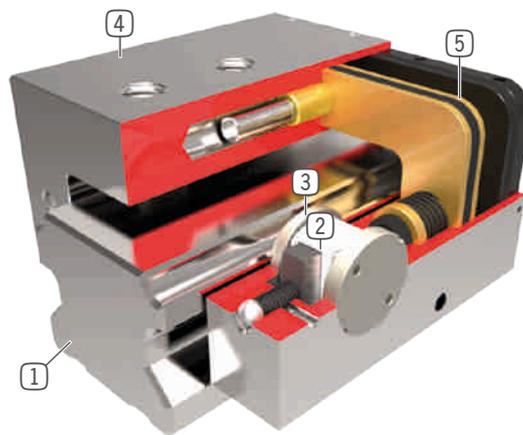
- ▶ **Clamping of machine tables**
- ▶ **Positioning of axes**
- ▶ **Fixing of vertical axes in neutral position**

FURTHER INFORMATION

- ▶ **Spacer plate**
In addition, a spacer plate might have to be ordered as height compensation, depending on the height of the rail carriage (dimension D).
- ▶ **Special variants on request, e.g.**
With additional air connection (from above, from the front)

► BENEFITS IN DETAIL

- ① **Profile rail guide**
- Available for all common profile rail guides
- ② **Wedge-type gear**
- Power transmission between piston and clamping jaw
- ③ **Clamping jaw**
- Pressed at the free surfaces of the profile rail guide
- ④ **Narrow housing**
- chemically nickel plated steel
- ⑤ **Pneumatic piston**
- The piston moves the wedge-type gear longitudinally



► INFORMATION ON THE SERIES

TECHNICAL DATA

Rail size	15-35 mm
Holding force	550-2500 N
Pressure min. / max.	3 / 6.5
Spring storage	inexistent
PLUS connection	No
Static clamping cycles (B10d value)	up to 5 million
Dynamic braking cycles	not suitable
Operation	pneumatic
Operating temperature	-10 ... +70 [°C]



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