

# 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

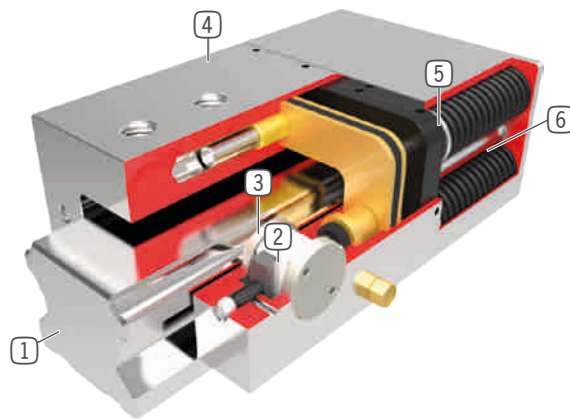
- ▶ **Clamping in case of pressure drop**
- ▶ **Clamping without energy requirement**

### 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](http://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](http://www.zimmer-group.de/de/plt).