

CLAMPING AND BRAKING ELEMENTS | PNEUMATIC SERIES LBPS

▶ 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 braking in case of energy failure

▶ THE BEST PRODUCT FOR YOUR APPLICATION

APPLICATION SCENARIOS

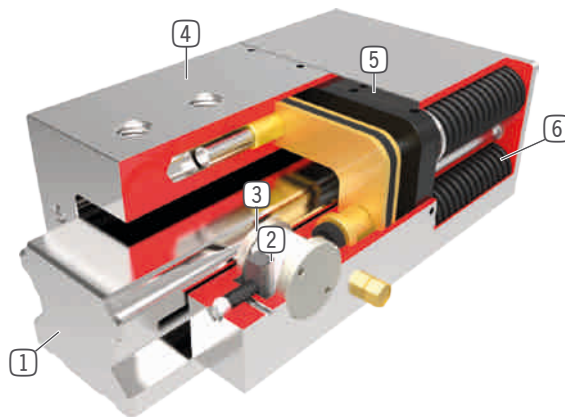
- ▶ **Clamping in case of pressure drop**
- ▶ **Braking linear motors**
- ▶ **Clamping without energy requirement**

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 proximity switch monitoring
 - 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 the pistons and clamping jaws and brake shoes
- ③ **Clamping jaws and brake shoes**
- 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	up to 500
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/plr.