

CLAMPING AND BRAKING ELEMENTS | PNEUMATIC

LBPS4505AS2-A

▶ PRODUCT ADVANTAGES



- ▶ **broad range of products**
For all common profile rail guides
- ▶ **Safety element, energize to open (NC)**
Safe braking in case of energy failure, through spring-loaded energy storage
- ▶ **high durability**
5 million static clamping cycles
- ▶ **Small and narrow design**
By using U-form piston
- ▶ **Maximum flexibility**
Additional air connection from above
- ▶ **Simple status sensing**
Querying the piston position with magnetic field sensor

▶ TECHNICAL DETAILS



- 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**
- 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 PRODUCTS

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 low opening pressure (3.0 bar)

