

# CLAMPING AND BRAKING ELEMENTS | PNEUMATIC

## LBPS2501AS2-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)

