

# CLAMPING ELEMENTS | PNEUMATIC

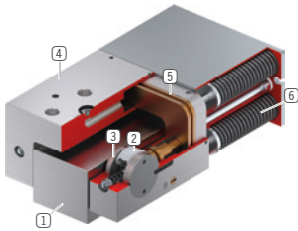
## LKPS2501AS2-A + PLK25-2

### ▶ 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**  
Up to 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 piston and clamping jaw
- ③ **Clamping jaw**  
- 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**
- ▶ **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)

