

CLAMPING AND BRAKING ELEMENTS | PNEUMATIC

UBPS5501RS1LA-LP + PUBL55-10

▶ PRODUCT ADVANTAGES



- ▶ **broad range of products**
For all common profile rail guides
- ▶ **Energize to open (NC)**
through spring-loaded energy storage
- ▶ **high durability**
5 million static clamping cycles
- ▶ **Higher holding force**
Via activation with PLUS air
- ▶ **Safety element**
Safe braking in case of energy failure

▶ 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 **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
- ⑦ **Scraper**
- Can also be ordered as an option
- ⑧ **Integrated valve (optional)**
- Up to 60% faster closing time
- regardless of the cable length

▶ INFORMATION ON THE PRODUCTS

APPLICATION SCENARIOS

- ▶ **Emergency OFF function**
- ▶ **Z-axes positioning in neutral position**
- ▶ **Machine table clamping of work centre**

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)
With additional air connection (from above, from the front)
Integrated valve for reduced closing time

