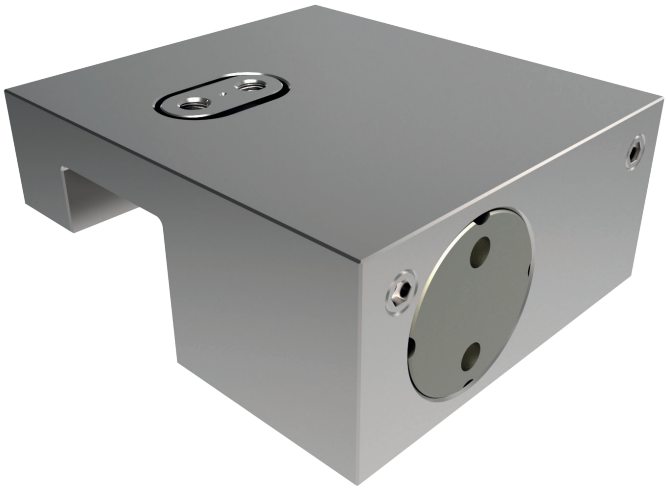
CLAMPING ELEMENTS
SERIES MCP

▶ PRODUCT ADVANTAGES



- **small construction**
  For all common miniature profile rail guides
- **Energize to close (NO)**
  Closing with pressure
- **high durability**
  Up to 5 million static clamping cycles

▶ INFORMATION ON THE PRODUCTS

APPLICATION SCENARIOS

- **Clamping of machine tables**
- **Positioning of axes**
- **Fixing of vertical axes in neutral position**

FURTHER INFORMATION

- **Special variants on request, e.g.**
  With additional air connection (from above, from the front)

▶ TECHNICAL DETAILS

1 **Miniature profile rail guide**
- Available for all common miniature profile rail guides

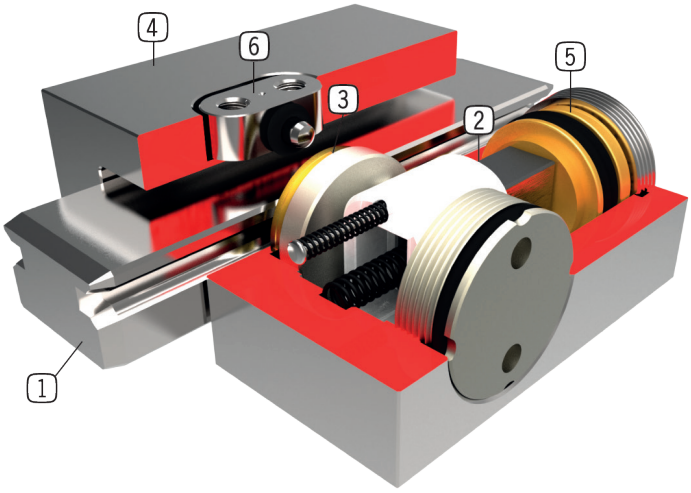
2 **Wedge-type gear**
- Power transmission between piston and clamping jaw

3 **Clamping jaw**
- Pressed at the free surfaces of the profile rail guide

4 **housing**
- chemically nickel plated steel

5 **Pneumatic piston**
- The piston moves the wedge-type gear longitudinally

6 **Sliding block**
- For floating bearings



▶ INFORMATION ON THE SERIES

TECHNICAL DATA

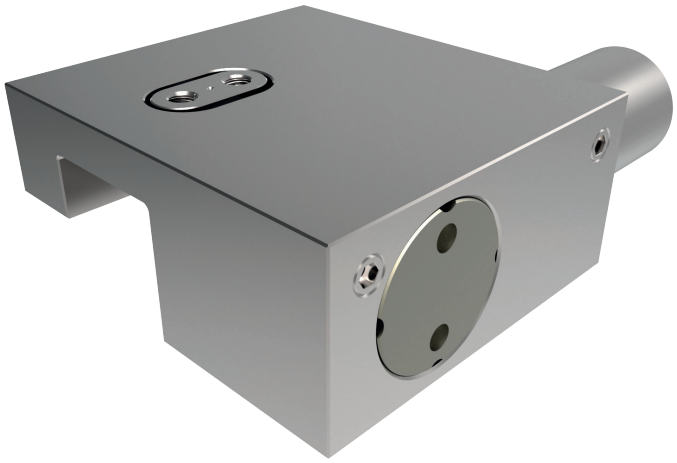
Rail size	5-25 mm
Holding force	130-550
pressure min.	3
pressure max.	6
Spring-loaded energy storage	inexistent
PLUS connection	no
Clamping cycles	up to 5 million
Braking cycles	not suitable
Operation	pneumatic

▶ 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 product.
Quick, clear and always current.

CLAMPING ELEMENTS
SERIES MCPS

▶ PRODUCT ADVANTAGES



- **small construction**
  For all common miniature profile rail guides
- **Energize to open (NC)**
  through spring-loaded energy storage
- **high durability**
  Up to 5 million static clamping cycles
- **Higher clamping forces**
  Via activation with PLUS air
- **Safety element**
  Safe clamping in case of energy failure

▶ INFORMATION ON THE PRODUCTS

APPLICATION SCENARIOS

- **Clamping in case of pressure drop**
- **Clamping without energy requirement**

FURTHER INFORMATION

- **Special variants on request, e.g.**
  With low opening pressure (3.0 bar or 4.0 bar)
  With additional air connection (from above, from the front)

▶ TECHNICAL DETAILS

1 **Miniature profile rail guide**
- Available for all common miniature profile rail guides

2 **Wedge-type gear**
- Power transmission between piston and clamping jaw

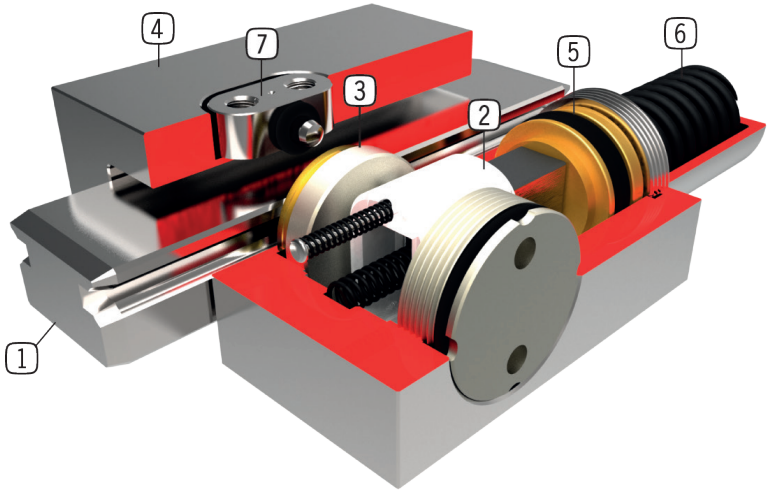
3 **Clamping jaw**
- Pressed at the free surfaces of the profile rail guide

4 **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

7 **Sliding block**
- For floating bearings



▶ INFORMATION ON THE SERIES

TECHNICAL DATA

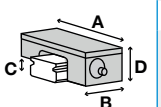
Rail size	5-25 mm
Holding force	80-400
pressure min.	5.5
pressure max.	6
Spring-loaded energy storage	existing
PLUS connection	yes
Clamping cycles	up to 5 million
Braking cycles	not suitable
Operation	pneumatic

▶ 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 product.
Quick, clear and always current.

Series MCP pneumatic Clamping NO

rail size	► Carriage type	► Series MCP Order No.	Adapter plate*	D [mm]
7	MGN..C, MGN..H	✆		
9	MGN..C, MGN..H	✆		
12	MGN..C, MGN..H	**MCP1201A**		13.0
15	MGN..C, MGN..H	**MCP1504A**		16.0

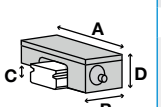


► Series MCP

Version	Holding force [N]	A [mm]	B [mm]	C [mm]
MCP1201A	280	37.5		2.95
MCP1504A	320	41.5		3.95

Series MCPS pneumatic Clamping NC

rail size	► Carriage type	► Series MCPS Order No.	Adapter plate*	D [mm]
7	MGN..C, MGN..H	✆		
9	MGN..C, MGN..H	✆		
12	MGN..C, MGN..H	**MCPS1201A**		13.0
15	MGN..C, MGN..H	**MCPS1504A**		16.0



► Series MCPS

Version	Holding force [N]	A [mm]	B [mm]	C [mm]
MCPS1201A	240	37.5	52.5	2.95
MCPS1504A	280	41.5	52.5	3.95