CLAMPING AND BRAKING ELEMENTS | PNEUMATIC SERIES MBPS

► PRODUCT ADVANTAGES

► broad range of products
For all common profile rail guides

► Energize to open (NC)
through spring-loaded energy storage

► high durability
Up to 5 million static clamping cycles

► Safety element
Safe braking in case of energy failure

► THE BEST PRODUCT FOR YOUR APPLICATION

► Clamping in case of pressure drop
► Emergency OFF function
► Braking linear motors

► 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)
**BENEFITS IN DETAIL**

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**
   - 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

**INFORMATION ON THE SERIES**

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail size</td>
<td>15-55 mm</td>
</tr>
<tr>
<td>Holding force</td>
<td>750-4700 N</td>
</tr>
<tr>
<td>Pressure min. / max.</td>
<td>4.5 / 6.5</td>
</tr>
<tr>
<td>Spring storage</td>
<td>existing</td>
</tr>
<tr>
<td>PLUS connection</td>
<td>No</td>
</tr>
<tr>
<td>Static clamping cycles (B10d value)</td>
<td>up to 5 million</td>
</tr>
<tr>
<td>Dynamic braking cycles</td>
<td>up to 2000</td>
</tr>
<tr>
<td>Operation</td>
<td>pneumatic</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10 ... +70 [°C]</td>
</tr>
</tbody>
</table>

**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 model.
Quick, clear and always up-to-date.

**Selection guide for clamping and braking elements**

Whatever the possible application – here, you’ll find the right product.
Easy selection of the right element for any rail-carriage combination: www.zimmer-group.de/de/plt.