Flat Pad

**Pad diameter** ø10, ø15, ø20, ø25, ø30

- **Adsorption surface with groove**

- **For the adsorption of thin sheets or film**
  *Reduced deformation of flat surfaces during adsorption*

  *Not suitable for transferring workpieces which apply a load.*
  *Wrinkling may be generated depending on the sheet thickness. Confirm the thickness before use.*

**How to Order**

**Pad unit** ZP2-B10 MT N

*Pad unit’s sales unit: 10 pcs.*

**Pad material**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Pad diameter</th>
<th>Blast type</th>
</tr>
</thead>
<tbody>
<tr>
<td>B10</td>
<td>ø10</td>
<td>●</td>
</tr>
<tr>
<td>B15</td>
<td>ø15</td>
<td>●</td>
</tr>
<tr>
<td>B20</td>
<td>ø20</td>
<td>●</td>
</tr>
<tr>
<td>B25</td>
<td>ø25</td>
<td>●</td>
</tr>
<tr>
<td>B30</td>
<td>ø30</td>
<td>●</td>
</tr>
</tbody>
</table>

*Blast type: Workpieces can be removed easily.*

**Pad form**

Symbol: Thin flat type (With groove)

**Dimensions: Pad Unit**

- **ZP2-B10MT**
  - ø8.5
  - ø4
  - ø6
  - ø1.5

- **ZP2-B15MT**
  - ø8.5
  - ø4
  - ø6
  - ø1.5

- **ZP2-B20MT**
  - ø13.5
  - ø6
  - ø10
  - ø1.5

- **ZP2-B25MT**
  - ø15
  - ø6
  - ø10
  - ø1.5

- **ZP2-B30MT**
  - ø18
  - ø10
  - ø6

**Adapter Mounting Dimensions**

If an adapter will be made by the customer, design the adapter with the dimensions shown below.

- **Applicable pad** B10MT/B15MT
  - The R part has to be smooth with no corners.

- **Applicable pad** B20MT/B25MT/B30MT

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**Mounting Bracket Part Nos.**

Adapter Assembly p. 288
**How to Order**

With adapter

**ZP2 - T B10 MT N - H5**

- **Vacuum inlet direction**
  - Symbol: T
  - Direction: Vertical

- **Connection thread**
  - Pad diameter (Symbol): B10, B15, B20, B25, B30
  - Thread size (Symbol): H5 (M5 x 0.8 Male thread), B5 (M5 x 0.8 Female thread)

- **Pad diameter**
  - Ø10
  - Ø15
  - Ø20
  - Ø25
  - Ø30

- **Blast type**: Workpieces can be removed easily.
- **Use a commercially available sealant for mounting.**

- **Pad material**
  - Symbol: N, S, F, GN, GS
  - Material: NBR, Silicone rubber, FKM, Conductive NBR, Conductive silicone rubber

- **Pad form**
  - Symbol: MT
  - Form: Thin flat type (With groove)

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**Dimensions: With Adapter**

- **ZP2-TB10MT□-H5**
  - Width across flats 1.5
  - pad diameter Ø8
  - connection thread M5 x 0.8

- **ZP2-TB15MT□-H5**
  - Width across flats 1.5
  - pad diameter Ø15
  - connection thread M5 x 0.8

- **ZP2-TB20MT□-H5**
  - Width across flats 2.5
  - pad diameter Ø20
  - connection thread M5 x 0.8

- **ZP2-TB25MT□-H5**
  - Width across flats 2.5
  - pad diameter Ø25
  - connection thread M5 x 0.8

- **ZP2-TB30MT□-H5**
  - Width across flats 2.5
  - pad diameter Ø30
  - connection thread M5 x 0.8

- **ZP2-TB10MT□-B5**
  - Width across flats 8
  - pad diameter Ø10
  - connection thread M5 x 0.8

- **ZP2-TB15MT□-B5**
  - Width across flats 8
  - pad diameter Ø15
  - connection thread M5 x 0.8

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*Compliant with the FDA (USA Food and Drug Administration) regulation 21CFR§177.2600 for “Rubber articles intended for repeated use”
- The pad is shipped together but does not come assembled.
### Adapter Assembly

<table>
<thead>
<tr>
<th>Product part no.</th>
<th>ZP2 - T</th>
<th>MT</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pad diameter</td>
<td>[1]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thin flat type</td>
<td>(With groove)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pad material</td>
<td>[2]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection thread (Male/Female thread)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Component parts

<table>
<thead>
<tr>
<th>Male thread</th>
<th>Female thread</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Adapter" /></td>
<td><img src="image2.png" alt="Adapter" /></td>
</tr>
</tbody>
</table>

#### Symbol

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Pad diameter symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>B10</td>
<td>B15</td>
</tr>
<tr>
<td>B20</td>
<td>B25</td>
</tr>
<tr>
<td>B30</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Connection thread (Male/Female thread)</th>
<th>Symbol</th>
<th>Pad diameter symbol</th>
<th>Male thread</th>
<th>Female thread</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Adapter" /></td>
<td>M5 x 0.8</td>
<td>H5</td>
<td>ZP2A-M02</td>
<td>ZP2A-M03</td>
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</tr>
<tr>
<td><img src="image4.png" alt="Adapter" /></td>
<td>M5 x 0.8</td>
<td>B5</td>
<td>ZP2A-M04</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>