Flat Pad

Pad diameter $\phi 10, \phi 15, \phi 20, \phi 25, \phi 30$

**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**

<table>
<thead>
<tr>
<th>Pad unit</th>
<th>ZP2－B10 MT N</th>
</tr>
</thead>
</table>

**Pad material**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>NBR</td>
</tr>
<tr>
<td>S</td>
<td>Silicone rubber*1,*2</td>
</tr>
<tr>
<td>F</td>
<td>FKM</td>
</tr>
<tr>
<td>GN</td>
<td>Conductive NBR</td>
</tr>
<tr>
<td>GS</td>
<td>Conductive silicone rubber</td>
</tr>
</tbody>
</table>

*1 Compliant with the FDA (USA Food and Drug Administration) regulation 21CFR§177.2600 for “Rubber articles intended for repeated use”

**Dimensions: Pad Unit**

- **ZP2-B10MT**
- **ZP2-B15MT**
- **ZP2-B20MT**
- **ZP2-B25MT**
- **ZP2-B30MT**

**Adapter Mounting Dimensions**

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

- The R part has to be smooth with no corners.
Flat Pad  ZP2 Series

How to Order

With adapter ZP2 – T B10 MT N – H5

Vacuum inlet direction
Symbol Direction
T Vertical

Pad diameter
Symbol Pad diameter
B10 ø10
B15 ø15
B20 ø20
B25 ø25
B30 ø30

Connection thread
Thread size (Symbol) B10 B15 B20 B25 B30
H5 (M5 x 0.8 Male thread) ∙ ∙ ∙ ∙ ∙
B5 (M5 x 0.8 Female thread) ∙ ∙ ∙ ∙ ∙

Gasket
Symbol Gasket
N Without gasket
G With gasket

Pad form

Symbol Material
N NBR
S Silicone rubber
F FKM
GN Conductive NBR
GS Conductive silicone rubber

Width across flats 1.5 Width across flats 1.5 Width across flats 1.5

Width across flats 2.5 Width across flats 2.5 Width across flats 2.5
ZP2-TB25MT N-H5G ZP2-TB30MT N-H5G

Width across flats 8 M5 x 0.8 Width across flats 8 M5 x 0.8 Width across flats 14 M5 x 0.8
ZP2-TB10MT N-B5 ZP2-TB15MT N-B5 ZP2-TB20MT N-B5

Width across flats 14 M5 x 0.8
ZP2-TB25MT N-B5 ZP2-TB30MT N-B5

Note:

1. Compliant with the FDA (USA Food and Drug Administration) regulation 21CFR §177.2600 for “Rubber articles intended for repeated use”

* If used without a gasket, vacuum leakage may occur. Therefore, when ordering the type without a gasket, be sure to use a commercially-available gasket or sealant when mounting.
## Adapter Assembly

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

### Symbol

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Pad diameter symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B10</td>
</tr>
<tr>
<td>M5 x 0.8</td>
<td>H5</td>
</tr>
<tr>
<td>M5 x 0.8</td>
<td>B5</td>
</tr>
</tbody>
</table>

### Gasket (Single unit)

<table>
<thead>
<tr>
<th>Gasket</th>
<th>Quantity</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 pcs. *1</td>
<td>ZP-5G2</td>
</tr>
<tr>
<td></td>
<td>100 pcs. *1</td>
<td>M-5G2</td>
</tr>
</tbody>
</table>

*1 The gasket (single unit) sales unit is shown.