# Sponge Pad

**Pad diameter** ø4, ø6, ø8, ø10, ø15

- For the adsorption of workpieces with bumps

## How to Order

**Pad unit**

<table>
<thead>
<tr>
<th>Pad O.D.</th>
<th>Pad Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø4</td>
<td>GS: Conductive silicone rubber</td>
</tr>
<tr>
<td>ø6</td>
<td>GC: Conductive CR</td>
</tr>
<tr>
<td>ø8</td>
<td></td>
</tr>
<tr>
<td>ø10</td>
<td></td>
</tr>
<tr>
<td>ø15</td>
<td></td>
</tr>
</tbody>
</table>

- Pad unit's sales unit: 10 pcs.

## Pad form

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Sponge</td>
</tr>
</tbody>
</table>

## Adapter Mounting Dimensions

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

<table>
<thead>
<tr>
<th>Applicable Pad</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø4S</td>
<td>1.5 x 0.8 x 0.21</td>
</tr>
<tr>
<td>ø6S</td>
<td>1.5 x 1.5 x 0.33</td>
</tr>
<tr>
<td>ø8S</td>
<td>1.5 x 2.5 x 0.39</td>
</tr>
<tr>
<td>ø10S</td>
<td>1.5 x 4.1 x 0.61</td>
</tr>
<tr>
<td>ø15S</td>
<td>1.5 x 10.1 x 0.91</td>
</tr>
</tbody>
</table>

## Mounting Bracket Part Nos.

- Adapter Assembly: p. 293

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**Model Selection**

- For Special Applications
- Mark-free
- Multistage
- Flat
- Nozzle
- For Disk Adsorption
- For Panel Holding

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**For Film Adsorption**

Model Selection

- For Special Applications
- Mark-free
- Multistage
- Flat
- Nozzle
- For Disk Adsorption
- For Panel Holding

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**Adapter Assembly**

p. 293
Sponge Pad  **ZP2 Series**

### How to Order

**With adapter**

**ZP2-T04S GS-A3**

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

- **Pad O.D.**
  - Symbol: Pad diameter
  - 04: ø4
  - 06: ø6
  - 08: ø8
  - 10: ø10
  - 15: ø15

- **Pad form**
  - Symbol: Form
  - S: Sponge

#### Connection thread

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Thread size</th>
<th>Applicable pad O.D. symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>M3 x 0.5 (Male thread)</td>
<td>04  06  08  10  15</td>
</tr>
<tr>
<td>A5</td>
<td>M5 x 0.8 (Male thread)</td>
<td>-          -          -  -</td>
</tr>
<tr>
<td>B3</td>
<td>M3 x 0.5 (Female thread)</td>
<td>-  -          -          -</td>
</tr>
<tr>
<td>B5</td>
<td>M5 x 0.8 (Female thread)</td>
<td>-  -          -          -</td>
</tr>
</tbody>
</table>

#### Pad material

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS</td>
<td>Conductive silicone rubber</td>
</tr>
<tr>
<td>GC</td>
<td>Conductive CR</td>
</tr>
</tbody>
</table>

- The pad is shipped together but does not come assembled.

### Dimensions: With Adapter

**ZP2-T04S-□-A3**

- Width across flats 5: 5, ø2.5, 2.5 (10)
- Pad diameter: ø4

**ZP2-T06S-□-A5**

- Width across flats 7: 5, 2.5, 3.5 (11)
- Pad diameter: ø6

**ZP2-T08S-□-A5**

- Width across flats 8: 5, 2.5, 3.5 (11)
- Pad diameter: ø8
Dimensions: With Adapter

**ZP2-T10S □-A5**
- Width across flats 10
- M5 x 0.8
- Ø10
- Ø4
- Ø4.1

**ZP2-T15S □-A5**
- Width across flats 15
- M5 x 0.8
- Ø15
- Ø10
- Ø4.1

**ZP2-T04S □-B3**
- Width across flats 5
- M3 x 0.5
- Ø4
- Ø1.5
- Ø0.8

**ZP2-T06S □-B5**
- Width across flats 7
- M5 x 0.8
- Ø6
- Ø3
- Ø1.5

**ZP2-T08S □-B5**
- Width across flats 8
- M5 x 0.8
- Ø8
- Ø4
- Ø1.5

**ZP2-T10S □-B5**
- Width across flats 10
- M5 x 0.8
- Ø10
- Ø6
- Ø4.1

**ZP2-T15S □-B5**
- Width across flats 15
- M5 x 0.8
- Ø15
- Ø10
- Ø4.1
Sponge Pad ZP2 Series
Mounting Bracket Assembly

## Adapter Assembly

<table>
<thead>
<tr>
<th>Product part no.</th>
<th>ZP2 - T ① S □ - ②</th>
<th>Pad diameter</th>
<th>Connection thread (Male/Female thread)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Sponge</td>
<td>Pad material</td>
</tr>
</tbody>
</table>

### Component parts

- **A Adapter (With gasket)**
- **B Gasket**

### Pad diameter symbol

<table>
<thead>
<tr>
<th>Symbol</th>
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<tbody>
<tr>
<td>04</td>
<td>06</td>
</tr>
<tr>
<td>08</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
</tr>
</tbody>
</table>

- **M3 x 0.5**: A3, ZP2A-S01P
- **M5 x 0.8**: A5, ZP2A-S02P, ZP2A-S03P, ZP2A-S04P, ZP2A-S05P
- **M3 x 0.5**: B3, ZP2A-S11
- **M5 x 0.8**: B5, ZP2A-S12, ZP2A-S13, ZP2A-S14, ZP2A-S15

- **B Gasket (Single unit)**: M-3G2, M-5G2