New

Adapter Plate
for KOSMEK Robotic Hand Changer (model SWR)

Connect Robot and Robotic Hand Changer!
Saves Design Time and Costs!
Based on ISO Mounting Pattern

Model SWRZ

KOSMEK
Harmony in Innovation
Robot Application

**Adapter Plate**
for SWR Robotic Hand Changer

**Model SWRZ**

Connect Robot and Robotic Hand Changer! Designing Not Required!
Applicable to ISO Mounting Pattern

**Simple & Convenient!**

Not required to design or make an adapter plate!

Applicable to ISO Mounting Pattern
Model No. Indication

SWRZ 007 0 - MF 2

1 Robotic Hand Changer (SWR) Applicable Model

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>003</td>
<td>SWR003</td>
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<tr>
<td>007</td>
<td>SWR007</td>
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<td>012</td>
<td>SWR012</td>
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<tr>
<td>025</td>
<td>SWR025</td>
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<tr>
<td>Y01</td>
<td>SWRY001</td>
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</table>

2 Design No.

0 : Revision Number

3 Applicable Mounting Pattern Number

2 : ISO Mounting Pattern Number 2
3 : ISO Mounting Pattern Number 3
5 : ISO Mounting Pattern Number 5

* Please contact us for the models not marked with ●.

* Please contact us when using ISO mounting pattern number other than shown above.

Attachable SWR Option Application Table

<table>
<thead>
<tr>
<th>Robotic Hand Changer Model No.</th>
<th>Option Symbol</th>
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<tr>
<td>D : D-sub Connector</td>
<td>J : Resin Connector</td>
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<tr>
<td>SWR003</td>
<td>–</td>
</tr>
<tr>
<td>SWR007</td>
<td>–</td>
</tr>
<tr>
<td>SWR012</td>
<td>–</td>
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<tr>
<td>SWR025</td>
<td>●</td>
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<tr>
<td>SWRY001</td>
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</table>

* Please note that depending on operating condition, cables and pipes of an option that are projected from the end surface of the option to the robot flange side may affect robot cables and pipes when operating a robot.

Weight

<table>
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<tr>
<th>Conversion Plate Model No.</th>
<th>Weight (g)</th>
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<tbody>
<tr>
<td>SWRZ0030-MF2</td>
<td>23</td>
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<tr>
<td>SWRZ0070-MF2</td>
<td>39</td>
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<tr>
<td>SWRZ0070-MF3</td>
<td>59</td>
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<tr>
<td>SWRZ0120-MF3</td>
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<td>SWRZ0120-MF5</td>
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<tr>
<td>SWRZ0250-MF3</td>
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<td>SWRZ0250-MF5</td>
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<tr>
<td>SWRZY010-MF2</td>
<td>55</td>
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</tbody>
</table>

* It shows the weight of adapter plate only. Bolts and pins are not included.
## External Dimensions: SWRZ0030-MF2

**Adapter Plate for SWR Robotic Hand Changer**

**Model SWRZ**

### Robotic Hand Changer Applicable Model No. | Applicable Mounting Pattern No.
---|---
SWR003-M | 2

### Dimensions

- **4-Φ5.5 (Spot Facing Depth 8 from the back)**
- **2-M3×0.5 Thread Depth 5 (Extra Tapped Hole)**
- **4-M3×0.5 Thread Depth 7**
- **R4.5 p.c.d. 27**
- **25°**
- **20°**
- **2.00 Depth 3.5**
- **ϕ40**
- **ϕ20 +0.03 / -0.03 (ϕ14 Hole)**
- **5 +0.03 / -0.005 Depth 5.5**

### Notes

- **4-Low Head Bolt (Included)**
  - M5×0.8×10
- **1-Parallel Pin (Included)**
  - ϕ5×10
  - (ϕ2 Parallel Pin: Included in SWR)
- **4-Mounting Bolt (Included)**
  - M3 × 0.5 × 20

View A
Estimated/Total Cost: SWRZ0070-MF2

Robotic Hand Changer
Applicable Model No.
SWR007□-M

Applicable Mounting Pattern No.
2

4-Mounting Bolt (Included)
M5×0.8×12

1-Parallel Pin (Included)
φ5×10
(φ4 Parallel Pin : Included in SWR)

SWR007□-M(-J)

View A

4-Mounting Bolt (Included)
M3×0.5×25

Estimated/Total Cost: SWRZ0070-MF3

Robotic Hand Changer
Applicable Model No.
SWR007□-M

Applicable Mounting Pattern No.
3

4-Mounting Bolt (Included)
M6×1×12

1-Parallel Pin (Included)
φ6×12
(φ4 Parallel Pin : Included in SWR)

SWR007□-M(-J)

View A

4-Mounting Bolt (Included)
M3×0.5×25
**External Dimensions : SWRZ0120-MF3**

- 4-Ø6.8
  - (Spot Facing Ø11 Depth 7 from the back)
- 2-M3 x 0.5 Thread Depth 5
  - Extra Tapped Hole
- 4-M4 x 0.7 Thread Depth 7.5

**External Dimensions : SWRZ0120-MF5**

- 4-Ø6.8
  - (Spot Facing Ø11 Depth 8 from the back)
- 2-M5 x 0.8 Thread Depth 5
  - Extra Tapped Hole
- 4-M4 x 0.7 Thread Depth 7.5

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### Robotic Hand Changer

<table>
<thead>
<tr>
<th>Robotic Hand Changer</th>
<th>Applicable Model No.</th>
<th>Applicable Mounting Pattern No.</th>
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<tbody>
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<td>SWR012□-□-M□</td>
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<tr>
<td></td>
<td>1-Parallel Pin (Included)</td>
<td>φ6 x 12</td>
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<tr>
<td></td>
<td>4-Mounting Bolt (Included)</td>
<td>M6 x 1 x 12</td>
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<tr>
<td>SWR012□-□-M□(-J)</td>
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**View A**

**View B**

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**View C**

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**View D**

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**View E**

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**View F**

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**View G**

---

**View H**

---

**View I**

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**View J**

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**View K**

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**View L**

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**View M**

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**View N**

---

**View O**

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**View P**

---

**View Q**

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**External Dimensions : SWRZ0250-MF3**

- **4-Ø 6.8** (Spot Facing Ø 11 Depth 9.5 from the back)
- **2-M5×0.8 Thread Depth 5** Extra Tapped Hole
- **2-Ø 4.03** Depth 5.5
- **4-M5×0.8 Thread Depth 10**

**External Dimensions : SWRZ0250-MF5**

- **4-Ø 6.8** (Spot Facing Ø 11 Depth 8 from the back)
- **2-M5×0.8 Thread Depth 5** Extra Tapped Hole
- **2-Ø 4.03** Depth 5.5
- **4-M5×0.8 Thread Depth 10**

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**Robotic Hand Changer**

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<tr>
<th>Applicable Model No.</th>
<th>Mounting Pattern No.</th>
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<tr>
<td>SWR025□-M □</td>
<td>5</td>
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</table>

- **1-Parallel Pin (Included)** Ø 6 × 12
- **4-Mounting Bolt (Included)** M6 × 1 × 12
- **(Ø 4 Parallel Pin : Included in SWR)**
- **4-Mounting Bolt (Included)** M5 × 0.8 × 30
**External Dimensions : SWRY010-MF2**

![Diagram of SWRY010-MF2](image)

- 4-φ5.5 (Spot Facing from the back)
- 2-M3×0.5 Thread Depth 5
- Extra Tapped Hole
- 3-M3×0.5 Thread Depth 8
- 4-φ3.4 Spot Facing φ 6
- p.c.d. 30
- Depth 4
- p.c.d. 40

- 5.1Ø2
- φ20-2.0
- φ 15 Hole

<table>
<thead>
<tr>
<th>Robotic Hand Changer Applicable Model No.</th>
<th>Applicable Mounting Pattern No.</th>
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<tbody>
<tr>
<td>SWRY001□−M</td>
<td>2</td>
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**Installation Image**

![Installation Image](image)

- Robot Flange
- Plate A
- Plate B
- Robotic Hand Changer SWRY001□−M
Reference: Standard Dimensions of ISO Mounting Pattern


Dimensions of Flange Mounting Pattern

<table>
<thead>
<tr>
<th>Number</th>
<th>Pitch Circle Diam. <em>t1</em> d1</th>
<th>d2</th>
<th>d3</th>
<th>d4</th>
<th>d5</th>
<th>H7</th>
<th>t1 Min.</th>
<th>t2 Min.</th>
<th>t3 Min.</th>
<th>t4</th>
<th>t5</th>
<th>t6 Min.</th>
<th>Number of Tapped Holes N</th>
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</tbody>
</table>

Notes:
※1. Please determine the minimum depth of a tapped hole (t1) considering the material of the end effector mounting part.
※2. Preparation for wiring and piping of dimension (d4): A through hole can be machined at the center of the flange.
Diameter of the center hole (d4) should be less than d3.