Assembly Instruction of Pivot Hinge for Wood Door PH-01

**Notice**

Please read all instruction carefully for proper installation.

**CAUTION**

- Wrong installation may cause unexpected injuries during use as well as installation work. Observe instructions and cautions in this manual.
- The installation work must be done by persons always including a technician who has knowledge and experience of the work.

### Applicable wood door

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Door height</td>
<td>2300 mm or less</td>
</tr>
<tr>
<td>Door thickness</td>
<td>33 mm to 42 mm</td>
</tr>
<tr>
<td>Door width</td>
<td>850 mm or less</td>
</tr>
<tr>
<td>Door weight</td>
<td>35 kg or less</td>
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</table>

Ex.) When the opening width is 900 mm and the opening height is 2100 mm, size of applicable wood door is as shown below.

Door width = 900 - 11 = 889 mm       Door height = 2100 - 15 = 2085 mm

### Parts description

- **Pivot hinge**: 1 pce. each for upper and lower
- **Pivot hinge acceptor**: 1 pce. each for upper and lower
- **Hinge cap**: 2 pcs.
- **Cross-recessed self-tapping screw (4 x 30)**: 14 pcs.
- **Hexagon bolt (M4 x 12)**: 1 pce.
- **Flat washer (Nominal: 6)**: 1 pce.

### Tools required

- Phillips screwdriver
- Flatblade screwdriver
- Allen key wrench (Nominal: 8)

### Dimensional drawing

**Working drawing of wood door**

- Notch the wood door in advance to install the pivot hinges.
- **Pivot hinge**
- **Door back**
- **Cross-recessed self-tapping screw (4 x 30)** (3 pcs. per pivot hinge)

### Assembly procedures

**CAUTION**

- Securely tighten the screws. Otherwise, the door may suddenly come off.

1. **Installing pivot hinge acceptor to door frame**
   - Insert the pin of the pivot hinge acceptor located at the lower part of the door into the bore of the pivot hinge acceptor at the upper part of the door frame.

2. **Adjusting pivot hinge pin height**
   - Turn the lock rings of the pivot hinges located at the upper and lower parts of the door with an Allen key wrench (Nominal: 8) so that the top face of the vertical adjustment screw top face is flush with the top face of the pivot hinge.

3. **Fitting door to door frame**
   - 1. Insert the pin of the pivot hinge located at the lower part of the door into the bore of the pivot hinge acceptor at the upper part of the door frame.
   - 2. Lead the pin of the pivot hinge located at the upper part of the door to the bore of the pivot hinge acceptor at the upper part of the door frame, pushing the pin of the pivot hinge with your fingers, and release your fingers to set it in.
   - After fitting the door, pull it, and make sure that the door does not come off.

4. **Adjusting vertical positions of door**
   - Turn the vertical adjustment screw of the pivot hinge located at the upper part of the door with a flatblade screwdriver until no clearance is left between the pivot hinge located at the upper part of the door and the pivot hinge acceptor at the upper part of the door frame.

5. **Fixing door to door frame**
   - 1. Securely tighten the lock rings of the pivot hinges located at the upper and lower parts of the door with an Allen key wrench (Nominal: 8).
   - 2. Fit the locking flat washer and the hexagon bolt through the pivot hinge acceptor at the upper part of the door and the pivot hinge.

6. **Adjusting horizontal positions of door (only when it is necessary)**
   - 1. Remove the horizontal fixing screws from the pivot hinge acceptors located at the upper and lower parts of the door frame with an Allen key wrench (Nominal: 8).
   - 2. Among three adjustment bores on a pivot hinge acceptor (-2 mm, 0 mm, 2 mm), select a bore, and fix the removed horizontal fixing screw with an Allen key wrench (Nominal: 3).

7. **Setting hinge cap**
   - Push the hinge caps into the pivot hinges located at the upper and lower parts of the door.