**Precautions for use**

### General

- **Do not repair, alter, or disassemble Motor Rollers.** It may cause an electric shock, injury, or failure.
  - The motor will generate heat when used in an overload condition, resulting in a shorter product life-cycle.
- **Store the Motor Roller in the environment of ambient temperatures ranging from -30 to +40°C and relative humidity ranging from 10 to 90% (non-condensation).**
- **Mount the Motor Roller and idler rollers in the same level so that they are evenly loaded.**
- **Do not carry the Motor Roller by holding the cable, and do not pull or replace the connector.** Be careful not to damage the wire-coating.
- **Check the product label on End-plate at the cable side of the Motor Roller to confirm that Part number matches to your order.**
- **Do not use Motor Roller in any way beyond its specifications.** It may cause an injury or fire.
- **Do not conduct such operations as move, installation, connection, and inspection while the power is on.** Be sure to conduct such operations after turning off the power in order to be safe from electric shock.
- **After confirming the DC power supply, supported voltages and specifications of the Motor Roller, connect them carefully not to make a short circuit.**
- **Never store or leave the Motor Roller outdoors.** (It may cause a short circuit or rust.)
- **Always check that there is no contact between Motor Roller and other moving parts.**

### Specific

- **Do not use PR-D-30H-PU-N(-ST) for φ48 and φ50 Motor Roller.**
  - **NOTE:** Collar part is 4 mm out from the center of the shaft. Make sure that there is no contact between Motor Roller and other moving parts.**
- **The warranty covers only the repair of the main body of the delivered product.**
- **The warranty period is 1(one) year from delivery of the product under proper installation and handling.**
- **Motor Roller should be wasted as an industry waste in accordance with the regulations of the local municipality.**
- **Maintenance and measures against failures**
  - **WARNING:** Use an electric screwdriver that meets safety standards.
  - **CAUTION:** Use a commercially available wrench ordriver.

### Recommended frame hole dimensions

<table>
<thead>
<tr>
<th>C type</th>
<th>D (Roller diameter (φ48.6/50/57/60.5))</th>
<th>Abbr. of PULSE ROLLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>21.9</td>
<td>M8P1.25</td>
</tr>
<tr>
<td>C2</td>
<td>23</td>
<td>M6 Flange nut</td>
</tr>
<tr>
<td>C3</td>
<td>25</td>
<td>M5 bolt and nut</td>
</tr>
<tr>
<td>C4</td>
<td>27</td>
<td>M5 bolt</td>
</tr>
<tr>
<td>C5</td>
<td>29</td>
<td>M12 threaded Hex shaft</td>
</tr>
</tbody>
</table>

### Frame top view

**Steps**

1. **Cable side**
   - Put the connector and cable through mounting hole of the frame, and insert the shaft to the frame.

2A. **Non cable side**
   - Loop the cable into the cable hole, then insert it into the cable hole of the conveyor frame, and then pull it through the hole and attach it to the frame temporarily.

3A. **Cable side**
   - Fixing block A
     - Hold by wrench
   - Fixing block B
     - Hold by nuts

4. **Non cable side**
   - M12: Spring-loaded Hex shaft
   - M8: Crossed and tapped shaft
     - Install the shaft with a wrench to the frame temporarily without fastening it. Tighten the bolt with 10 - 14 Nm.

### Before installing

**Caution**

- **Do not damage the cable while drawing it through the conveyor frame or fixing parts.**
- **Use a metal Motor Roller with the fixing parts.**

**Steps**

1. **Mount Motor Roller in accordance with “Reference No.” in the following correspondence.**
   - Cable side
   - Fixing parts
   - Reference No.
     - M12 threaded Hex shaft + M8 drilled and tapped shaft
     - M12 nut with outward washer
     - 1→2A→3A→4
     - M12 threaded Hex shaft + Spring-loaded Hex shaft
     - M12 nut with outward washer
     - 1→2→3B→4
     - M12 threaded Hex shaft + Spring-loaded Hex shaft
     - M12 nut with outward washer
     - 1→2→3B→4
     - M12 threaded Hex shaft + M8 drilled and tapped shaft
     - M12 nut with outward washer
     - 1→2→3B→4
     - M12 threaded Hex shaft + Spring-loaded Hex shaft
     - M12 nut with outward washer
     - 1→2→3B→4

### Notice before system operation

- **WARNING:** Do not touch Motor Roller with your hand or body during operation and immediately after stopping of operation. It may cause injury due to the heat from the product. Roller surface temperature can be high depending on the conditions of use.

### Electrical

- **WARNING:** Do not touch Motor Roller with your hand or body during operation and immediately after stopping of operation.
- **CAUTION:** Use an electric screwdriver that meets safety standards.

### Warranty

- **The warranty period is 1(one) year from delivery of the product under proper installation and handling.**

### Contact information for Technical support

**USA**

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