Finger Guards

It is very dangerous to touch fan blades when the fan is operating. Finger guards prevent fingers or foreign objects from entering the device. Finger guards are mounted to the fan frame using bolts.

Material: Steel wire
Finish: Chrome plating

For the EMU Series, MU Series, and MD Series, if the installation screws included in the fan kit product are used, finger guards can be installed on both sides of the fan. (When the installation panel thickness is 2 mm (0.08 in.) or less)

### Dimensions  Unit = mm (in.)

- **Finger Guards for Axial Flow Fans**
  - FG4D – for MDS410
    - List Price $3.00  Mass: 4.2 g (0.15 oz.)
  - FG5D – for MDS510
    - List Price $4.00  Mass: 7.7 g (0.27 oz.)
  - FG6E – For MDS625, MDV625 and MDE625
    - List Price $5.00  Mass: 13 g (0.46 oz.)

- **FG4E – for MDS410**
  - List Price $3.00  Mass: 4.2 g (0.15 oz.)
  - 2D CAD E085  3D CAD

- **FG5D – for MDS510**
  - List Price $4.00  Mass: 7.7 g (0.27 oz.)
  - 2D CAD E086  3D CAD

- **FG6E – For MDS625, MDV625 and MDE625**
  - List Price $5.00  Mass: 13 g (0.46 oz.)
  - 2D CAD E196  3D CAD

- **FG6D – for MD625 and MDA625**
  - List Price $4.00  Mass: 8.3 g (0.29 oz.)
  - 2D CAD E087  3D CAD

- **FG8D – for MU825, MDS825, MDV825, and MDE825**
  - List Price $5.00  Mass: 23 g (0.81 oz.)
  - 2D CAD E048  3D CAD

- **FG9D – for MU925, MDS925, MDV925, MDA925, MDV925, MDE925**
  - List Price $5.00  Mass: 28 g (0.99 oz.)
  - 2D CAD E049  3D CAD

- **FG12D – for EMU1238, MU1225, MUA1238, MDA1225, MDS1225, MDS1238, MDA1225, MDA1238, MDV1238, and MDE1238**
  - List Price $6.00  Mass: 42 g (1.48 oz.)
  - 2D CAD E051  3D CAD

- **FG14D – for MU1428, MRS14, MDS1451, MDA1451, and MDE1451**
  - List Price $7.00  Mass: 64 g (2.3 oz.)
  - 2D CAD E052  3D CAD

- **FG16D – for MRS16 and MRE16**
  - List Price $11.00  Mass: 75 g (2.6 oz.)
  - 2D CAD E053  3D CAD
Cooling Fans

Overview,
Product Series
Axial Flow Fans
Centrifugal Blowers
AC Input
Low-Power Consumption
EMU
AC Input
Compact Size
MU
AC Input
Large Size, Large Air Flow
MRS
AC Input
Long-Life
MRE
DC Input
MDS
MD
DC Input
Alarm
MDA
DC Input
Variable Flow
MDV
DC Input
Long-Life
MDE
DC Input
Splash Proof
MDP
Cross Flow Fans
AC Input
MF
DC Input
MFD
Enclosure Fan Modules
Thermostat
Accessories
Installation

FG17D  for MDS1751, MDA1751 and MDE1751
List Price $14.00  Mass: 57 g (2.0 oz.)
2D CAD E054  3D CAD

FG17DF  for MDS1751F and MDE1751F
List Price $21.00  Mass: 65 g (2.3 oz.)
2D CAD E195  3D CAD

FG18D  for MRS18 and MRE18
List Price $18.00  Mass: 95 g (3.4 oz.)
2D CAD E055  3D CAD

FG20D  for MRS20 and MRE20
List Price $22.00  Mass: 105 g (3.7 oz.)
2D CAD E056  3D CAD

FG25D  for MRS25
List Price $26.00  Mass: 160 g (5.6 oz.)
2D CAD E107  3D CAD

www.orientalmotor.com
TEL: (800) 468-3982
E-mail: techsupport@orientalmotor.com
Filters

When using a fan to cool machinery, dust may accumulate inside the machinery after long periods of operation. Depending on the parts involved, this could cause a malfunction. These filters prevent dust from entering the device, keeping the air inside the machinery dust free.

The filter consists of the following three parts:
① Guard : Plastic finger guard
  Flammability grade: V-0
② Filter Media : Polyurethane air-cleaning filter media 20 to 45 PPI
  (PPI: The number of air bubbles per inch)
③ Retainer : Plastic retainer for filtering material
  Flammability grade: V-0

The filter media and the retainer can be attached and detached very easily without taking the fan off for maintenance.

■ Example of Air Flow – Static Pressure Characteristics When Using a Filter

![Graph showing airflow vs. static pressure characteristics]

■ Dimensions  Unit = mm (in.)

- **Filters for Axial Flow Fans**

  **FL6** — for MD625, MD625, MDA625, MDV625, and MDE625
  List Price $8.00  Mass: 11 g (0.39 oz.) (Filter media: 45 PPI)
  [2D CAD E162]

  **FL8** — for MU825, MD825, MD825, MD825, MDV825, and MDE825
  List Price $9.00  Mass: 19 g (0.67 oz.) (Filter media: 20 PPI)
  [2D CAD E163]
**G-111 Cooling Fans**

**Overview, Product Series**

**Axial Flow Fans**
- AC Input: Low-Power Consumption
- EMU
- DC Input: Compact Size
- MU
- AC Input: Large Size, Large Air Flow
- MRS
- AC Input: Long-Life
- MRE
- DC Input: Variable Flow
- MD
- DC Input: Splash Proof
- MDF
- Cross Flow Fans
- AC Input: Low-Power Consumption
- MB
- DC Input: Low-Power Consumption
- MBD
- Centrifugal Blowers
- AC Input: Low-Power Consumption
- MB
- DC Input: Low-Power Consumption
- MBD
- Enclosure Fan Modules
- Thermostat
- Accessories
- Installation

**FL9** for MU925, MD5925, MD925, MDA925, MDV925 and MDE925
- List Price $9.00 Mass: 26 g (0.92 oz.) (Filter media: 20 PPI)
- 2D CAD E164

**FL14** for MRS14, MDS1451, MDA1451 and MDE1451
- List Price $17.00 Mass: 92 g (3.25 oz.) (Filter media: 30 PPI)
- 2D CAD E167

**FL16** for MRS16 and MRE16
- List Price $18.00 Mass: 126 g (4.4 oz.) (Filter media: 30 PPI)
- 2D CAD E168

**FL12** for EMU1238, MU1225, MU1238, MD51225, MD1225, MDS1225, MDA1225, MDV1238, MDE1225 and MDE1238
- List Price $10.00 Mass: 46 g (1.62 oz.) (Filter media: 20 PPI)
- 2D CAD E166

**FL18** for MRS18 and MRE18
- List Price $29.00 Mass: 165 g (5.8 oz.) (Filter media: 30 PPI)
- 2D CAD E169
### Replacement Filter Media

**For Filters for Axial Flow Fans**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>List Price</th>
<th>Applicable Filters</th>
</tr>
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<tbody>
<tr>
<td>FLM6</td>
<td>$38.00</td>
<td>FL6</td>
</tr>
<tr>
<td>FLM8</td>
<td>$40.00</td>
<td>FL8</td>
</tr>
<tr>
<td>FLM9</td>
<td>$41.00</td>
<td>FL9</td>
</tr>
<tr>
<td>FLM12</td>
<td>$42.00</td>
<td>FL12</td>
</tr>
<tr>
<td>FLM14</td>
<td>$43.00</td>
<td>FL14</td>
</tr>
<tr>
<td>FLM16</td>
<td>$45.00</td>
<td>FL16</td>
</tr>
<tr>
<td>FLM18</td>
<td>$46.00</td>
<td>FL18</td>
</tr>
</tbody>
</table>

**Note**
- One package contains five filter media.
- When ordering, please specify the quantity by the number of packages.
- List Price indicates the price with one package.
**Screens**

Fans are used to cool or ventilate electronic devices that may generate electromagnetic waves. These waves can escape from the fan cooling holes, causing interference to computers and measuring instruments. The screens allow the passage of air, but block electromagnetic waves. The screen is a durable magnetic shield using an stainless mesh fixed to an aluminum frame. Screens are easily attached to the fan using screws.

**Example of Air Flow – Static Pressure Characteristics When Using a Screen**

![Graph showing air flow vs. static pressure characteristics](image)

**Dimensions**  
Unit = mm (in.)

<table>
<thead>
<tr>
<th>Screen</th>
<th>Size</th>
<th>Applications</th>
<th>List Price</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS6S</td>
<td>for MDS625, MD625, MDA625, MDV625, and MDE625</td>
<td>List Price $8.00</td>
<td>Mass: 7 g (0.25 oz.)</td>
<td></td>
</tr>
<tr>
<td>FS8S</td>
<td>for MU825, MD825, MDA825, MDV825, and MDE825</td>
<td>List Price $8.00</td>
<td>Mass: 15 g (0.53 oz.)</td>
<td></td>
</tr>
<tr>
<td>FS9S</td>
<td>for MU925, MDS925, MD925, MDA925, MDV925, and MDE925</td>
<td>List Price $8.00</td>
<td>Mass: 16 g (0.56 oz.)</td>
<td></td>
</tr>
<tr>
<td>FS12S</td>
<td>for EMU1238, MU1225, MU1238, MDS1225, MD1225, MDS1238, MDA1225, MDV1238, MDE1225, MDE1238, and MDP1238</td>
<td>List Price $8.00</td>
<td>Mass: 24 g (0.85 oz.)</td>
<td></td>
</tr>
</tbody>
</table>
Plug Cords for Connection to Power Supply

This plug cord is for use with the **EMU Series** and **MU Series** fans, providing terminals for connection to the power supply.

Regulations & Standards: UL Standards, CSA Standards, Electrical Appliance and Material Safety Law

### Dimensions  Unit = mm (in.)

**PCA2B** - 1 m (3.3 ft.)
- List Price $6.00

**PCA2B2** - 2 m (6.6 ft.)
- List Price $8.00

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**Connecting the Plug Cord**

Plug Cord for Connection to Power Supply

Fan

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**2-Core Flat Vinyl Cord (Black)**

SPT-1 AWG18