GRM Size 0
PNEUMATIC WORKHOLDING CLAMPS

Designed for high force in an extremely compact package

- Compact, lightweight
- Generates up to 135 lb [600 N] total clamp force
- Locks in closed position

Industry’s most popular sheet metal handling clamp: PHD Series GRM Size 2
GRM Size 0

PNEUMATIC WORKHOLDING CLAMPS

Major Benefits

- Compact envelope size, lightweight, and strong. Under 0.53 lb [0.24 kg] clamp generates up to 135 lb [600 N] of total clamp force.
- Simple design, long life, and fast field maintenance.
- The clamp jaws lock in the closed position, ensuring part retention if air pressure is lost due to line rupture or power loss.
- Ideal for applications where size and weight are a concern.
- Perfect for robotic crossbar transfer press applications.
- A superior alternative to vacuum cups or magnetic-type grippers due to its ruggedness and part retention in the event of air pressure loss.
- This design includes the -B11 Side Mount Body option as standard to accept standard side mounting brackets for additional mounting flexibility.

ORDERING DATA: GRM0

Available Jaw Rotations Matrix

<table>
<thead>
<tr>
<th>JAW STYLE OPTION S</th>
<th>JAW A 0°-45°</th>
<th>JAW B 0°-45°</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAW STYLE 'S'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JAW STYLE 'F'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The 0° jaw rotates open slightly during the clamp cycle. The 0° jaw returns to 0° position as the opposing jaw reaches the fully open or fully closed positions.

 compromises between part retention if air pressure is lost due to line rupture or power loss.

- This design includes the -B11 Side Mount Body option as standard to accept standard side mounting brackets for additional mounting flexibility.
ENGINEERING DATA: GRM0

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UNIT WEIGHT</th>
<th>TOTAL GRIP FORCE at 87 psi [6 bar]</th>
<th>CYCLE TIME at 87 psi [6 bar]</th>
<th>PRESSURE LIMITS</th>
<th>TEMPERATURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lb</td>
<td>kg</td>
<td>lb N</td>
<td>psi MIN.</td>
<td>psi MAX.</td>
</tr>
<tr>
<td>GRM0</td>
<td>0.53</td>
<td>0.24</td>
<td>135 600</td>
<td>0.15</td>
<td>30 2</td>
</tr>
</tbody>
</table>

DIMENSIONS: GRM0

STANDARD JAW STYLE ‘S’

| NOTE: | 1) ALL METRIC DIMENSIONS [ ] ARE GIVEN IN MILLIMETERS

FLANGE JAW STYLE ‘F’

| NOTE: | 1) ALL METRIC DIMENSIONS [ ] ARE GIVEN IN MILLIMETERS

All dimensions are reference only unless specifically tolerated.

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**TIP DIMENSIONS: GRMO**

**STANDARD TIP (SBD)**
Single Diamond Point - Black
Tip Weight: 0.033 lb [15 g]
Material Thickness Range: 0 to 0.8 mm

**URETHANE TIP (Tx069)**
Double Rounded Hard Urethane - Yellow
Tip Weight: 0.031 lb [14 g]

**NOTE:**
1) ALL METRIC DIMENSIONS [ ] ARE GIVEN IN MILLIMETERS

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**SWITCH OPTION DIMENSIONS: GRMO**

**P1x00 PANEL PRESENT DETECTION**

**PANEL PRESENT OPTION CODE**

**HOUSING OPTION**
P - Panel Present

**SWITCH HOUSING OPTION**
1 - Position 1
3 - Position 3

**SWITCH OPTION**
N - No Switch
D - 4-Pin PNP DC Switch, M12x1 Connector

**SWITCH CABLE EXIT LOCATION**
(SWITCH ON SIDE 1)

**SWITCH LED**

**NOTE:**
1) ALL METRIC DIMENSIONS [ ] ARE GIVEN IN MILLIMETERS

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**ACCESSORIES: GRMO**

**90° SWIVEL ELBOW, METAL PORT FITTINGS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>62178-064</td>
<td>One 10-32 Male Fitting with o-ring for 1/4&quot; tubing</td>
</tr>
<tr>
<td>62195-073</td>
<td>One M5 Male Fitting with o-ring for 6 mm tubing</td>
</tr>
</tbody>
</table>

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