G100 Series Pneumatic Grippers

Robohand Gripping Solutions

Delivering better performance, lower maintenance, faster operation without added costs to machine builders.

The Industry Standard for Machine Builders

- **Low Maintenance**: Shielded design ensures continuous operation in variety of manufacturing environments.
- **Compact Design**: High force, low profile, with a variety of stroke ranges.
- **Easy Commissioning**: Simple quick installation kits.
- **Globally Supported**: Global application support and service teams.
- **Economical**: Cost effective solutions with short delivery times.

G100 Series At-a-Glance

- 20 different models sized to match your application needs.
- Fast actuations from 60mS.
- Multiple stroke options from 5mm to 50mm.
- High grip force, small package from 56N to 558N (13 to 125 lbf).
- Shielded design for clean to moderate manufacturing environments.
- Interchangeable gripper fingers with competitive units using extended jaw option.

Dimensions and technical information subject to change without notice.
Accelerated Productivity: Twice the actuation speed of competing units reducing manufacturing cycle times.

Low Maintenance: Shielded design ensures continuous operation in variety of manufacturing environments.

Performance: High grip force, low profile, with strokes from 5mm to 50mm.

Smooth Operation: Rack and pinion design provides consistent gripping actuation.

Space Saving: Compact design minimizes height profile for constrained application space.

Interchangeable Finger Design: Re-use gripper fingers used on competing units with G100 series extended jaw option.

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Description</th>
<th>Size</th>
<th>Description</th>
<th>Stroke</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Gripper</td>
<td>08</td>
<td>Size 08</td>
<td>05, 10, 15, 20, 25</td>
<td>for Size 08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11</td>
<td>Size 11</td>
<td>05, 10, 15, 20, 25</td>
<td>for Size 11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18</td>
<td>Size 18</td>
<td>06, 12, 18, 24, 30</td>
<td>for Size 18</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25</td>
<td>Size 25</td>
<td>10, 20, 30, 40, 50</td>
<td>for Size 25</td>
</tr>
</tbody>
</table>

Jaw Type    Description |
1            Horizontal Jaws |
2            Vertical Extended Jaws* |

*Select models only, see finger interchangeability table on page 15

Seals       Description |
B            Buna-N |

Options     Description |
N            No Options |

Dimensions and technical information subject to change without notice
G110-08M Dimensions

Dimensions & Specs Common to All Strokes

- Total Rated Grip Force: 56 N, 13 lbf
- Pressure Range: 3-7 Bar, 40-100 psi
- Cylinder Bore Diameter: 8 mm, 0.31 in
- Temperature Range, Buna Seals: -35°C~80°C, -30°F~180°F
- Accuracy: +/-0.08 mm, +/-0.003 in
- Repeatability: +/-0.08 mm, +/-0.003 in
- Valve Required to Actuate: 4 way 2 position

Dimensions and technical information subject to change without notice.
G110-08M Technical Data

**G110-08M-05-N-B**
- Stroke: 5 mm (0.20 in)
- Weight: 0.06 Kg (0.13 lbf)
- Displacement: 0.3 cc (0.02 cu-in)
- Actuation: 0.06 sec (0.06 sec)
- Max Tensile Load on Jaws: 156 N (35 lbf)
- Max Compressive Load on Jaws: 356 N (80 lbf)
- Max Moment on Jaws: 3.4 Nm (30 in-lbs)

**G110-08M-10-N-B**
- Stroke: 10 mm (0.39 in)
- Weight: 0.09 Kg (0.20 lbf)
- Displacement: 0.5 cc (0.03 cu-in)
- Actuation: 0.07 sec (0.07 sec)
- Max Tensile Load on Jaws: 178 N (40 lbf)
- Max Compressive Load on Jaws: 378 N (86 lbf)
- Max Moment on Jaws: 4.6 Nm (35 in-lbs)

**G110-08M-15-N-B**
- Stroke: 15 mm (0.59 in)
- Weight: 0.11 Kg (0.24 lbf)
- Displacement: 0.7 cc (0.05 cu-in)
- Actuation: 0.08 sec (0.08 sec)
- Max Tensile Load on Jaws: 200 N (45 lbf)
- Max Compressive Load on Jaws: 400 N (90 lbf)
- Max Moment on Jaws: 4.6 Nm (40 in-lbs)

**G110-08M-20-N-B**
- Stroke: 20 mm (0.79 in)
- Weight: 0.14 Kg (0.31 lbf)
- Displacement: 1.0 cc (0.06 cu-in)
- Actuation: 0.09 sec (0.09 sec)
- Max Tensile Load on Jaws: 222 N (50 lbf)
- Max Compressive Load on Jaws: 423 N (95 lbf)
- Max Moment on Jaws: 5.0 Nm (45 in-lbs)

**G110-08M-25-N-B**
- Stroke: 25 mm (0.98 in)
- Weight: 0.17 Kg (0.37 lbf)
- Displacement: 1.2 cc (0.08 cu-in)
- Actuation: 0.10 sec (0.10 sec)
- Max Tensile Load on Jaws: 245 N (55 lbf)
- Max Compressive Load on Jaws: 445 N (100 lbf)
- Max Moment on Jaws: 5.6 Nm (50 in-lbs)
G110-11M Dimensions

Dimensions & Specs Common to all Strokes

- Total Rated Grip Force: 104 N (23 lbf)
- Pressure Range: 3-7 Bar (40-100 psi)
- Cylinder Bore Diameter: 11 mm (0.44 in)
- Temperature Range, Buna Seals: -35ºC~80ºC (-30ºF~180ºF)
- Accuracy: +/-0.08 mm (+/-0.003 in)
- Repeatability: +/-0.08 mm (+/-0.003 in)
- Valve Required to Actuate: 4 way 2 position

All Dowel Holes are SF (Slip Fit).

Locational Tolerance ±0.0005" or [±0.013 mm]

Unless Otherwise Noted All Tolerances are as Shown Below

- Imperial in. / Metric [mm]
- All Dovetail holes are SF (Slip Fit)
- Local Tangent Thread: 0.0005" or [±0.013 mm]
- Metric Threads: Coarse Pitch: 0.0005" or [±0.013 mm]

Dimensions and technical information subject to change without notice.
**Robohand G110-11M Technical Data**

### G110-11M-05-N-B
- **Stroke**: 5 mm (0.20 in)
- **Weight**: 0.09 Kg (0.20 lbf)
- **Displacement**: 0.5 cc (0.03 cu-in)
- **Actuation**: 0.08 sec (0.08 sec)
- **Max Tensile Load on Jaws**: 311 N (70 lbf)
- **Max Compressive Load on Jaws**: 712 N (160 lbf)
- **Max Moment on Jaws**: 7 Nm (60 in-lbs)

### G110-11M-10-N-B
- **Stroke**: 10 mm (0.39 in)
- **Weight**: 0.13 Kg (0.29 lbf)
- **Displacement**: 1.0 cc (0.06 cu-in)
- **Actuation**: 0.09 sec (0.09 sec)
- **Max Tensile Load on Jaws**: 350 N (80 lbf)
- **Max Compressive Load on Jaws**: 750 N (170 lbf)
- **Max Moment on Jaws**: 8 Nm (70 in-lbs)

### G110-11M-15-N-B
- **Stroke**: 15 mm (0.59 in)
- **Weight**: 0.17 Kg (0.37 lbf)
- **Displacement**: 1.5 cc (0.09 cu-in)
- **Actuation**: 0.10 sec (0.10 sec)
- **Max Tensile Load on Jaws**: 400 N (90 lbf)
- **Max Compressive Load on Jaws**: 800 N (180 lbf)
- **Max Moment on Jaws**: 9 Nm (80 in-lbs)

### G110-11M-20-N-B
- **Stroke**: 20 mm (0.79 in)
- **Weight**: 0.21 Kg (0.46 lbf)
- **Displacement**: 1.9 cc (0.12 cu-in)
- **Actuation**: 0.11 sec (0.11 sec)
- **Max Tensile Load on Jaws**: 445 N (100 lbf)
- **Max Compressive Load on Jaws**: 845 N (190 lbf)
- **Max Moment on Jaws**: 10 Nm (90 in-lbs)

### G110-11M-25-N-B
- **Stroke**: 25 mm (0.98 in)
- **Weight**: 0.25 Kg (0.55 lbf)
- **Displacement**: 1.2 cc (0.15 cu-in)
- **Actuation**: 0.12 sec (0.12 sec)
- **Max Tensile Load on Jaws**: 490 N (110 lbf)
- **Max Compressive Load on Jaws**: 890 N (200 lbf)
- **Max Moment on Jaws**: 11 Nm (100 in-lbs)
G110-18M Dimensions

Dimensions & Specs Common to all Strokes
- Total Rated Grip Force: 260 N (58 lbf)
- Pressure Range: 3-7 Bar (40-100 psi)
- Cylinder Bore Diameter: 17.5 mm (0.69 in)
- Temperature Range, Buna Seals: -35ºC~80ºC (-30ºF~180ºF)
- Accuracy: +/-0.08 mm (+/-0.003 in)
- Repeatability: +/-0.08 mm (+/-0.003 in)
- Valve Required to Actuate: 4 way 2 position

G110 Series Pneumatic Parallel Grippers

Dimensions and technical information subject to change without notice.
G110-18M Technical Data

G110-18M-06-N-B
Stroke .............................................. 6 mm 0.24 in
Weight .............................................. 0.20 Kg 0.44 lbf
Displacement ................................... 1.5 cc 0.09 cu-in
Actuation ........................................... 0.09 sec 0.09 sec
Max Tensile Load on Jaws .............. 778 N 175 lbf
Max Compressive Load on Jaws .... 1779 N 400 lbf
Max Moment on Jaws .................... 17 Nm 150 in-lbs

G110-18M-12-N-B
Stroke .............................................. 12 mm 0.47 in
Weight .............................................. 0.22 Kg 0.48 lbf
Displacement ................................... 2.9 cc 0.18 cu-in
Actuation ........................................... 0.13 sec 0.13 sec
Max Tensile Load on Jaws .............. 890 N 200 lbf
Max Compressive Load on Jaws .... 1890 N 425 lbf
Max Moment on Jaws .................... 20 Nm 175 in-lbs

G110-18M-18-N-B
Stroke .............................................. 18 mm 0.71 in
Weight .............................................. 0.28 Kg 0.62 lbf
Displacement ................................... 4.3 cc 0.26 cu-in
Actuation ........................................... 0.17 sec 0.17 sec
Max Tensile Load on Jaws .............. 1000 N 225 lbf
Max Compressive Load on Jaws .... 2000 N 450 lbf
Max Moment on Jaws .................... 23 Nm 200 in-lbs

G110-18M-24-N-B
Stroke .............................................. 24 mm 0.94 in
Weight .............................................. 0.34 Kg 0.75 lbf
Displacement ................................... 5.8 cc 0.35 cu-in
Actuation ........................................... 0.21 sec 0.21 sec
Max Tensile Load on Jaws .............. 1112 N 250 lbf
Max Compressive Load on Jaws .... 2113 N 475 lbf
Max Moment on Jaws .................... 25 Nm 225 in-lbs

G110-18M-30-N-B
Stroke .............................................. 30 mm 1.18 in
Weight .............................................. 0.41 Kg 0.90 lbf
Displacement ................................... 7.2 cc 0.44 cu-in
Actuation ........................................... 0.25 sec 0.25 sec
Max Tensile Load on Jaws .............. 1223 N 275 lbf
Max Compressive Load on Jaws .... 2225 N 500 lbf
Max Moment on Jaws .................... 28 Nm 250 in-lbs

Dimensions and technical information subject to change without notice
G110-25M Dimensions

Dimensions & Specs Common to all Strokes

- Total Rated Grip Force: 558 N (125 lbf)
- Pressure Range: 3-7 Bar (40-100 psi)
- Cylinder Bore Diameter: 25 mm (1.00 in)
- Temperature Range, Buna Seals: -35°C~80°C (-30°F~180°F)
- Accuracy: +/-0.08 mm (+/-0.003 in)
- Repeatability: +/-0.08 mm (+/-0.003 in)
- Valve Required to Actuate: 4 way 2 position

UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

- Dimensions are symmetrical about centerline
- Third Angle Projection
- Imperial in. Metric [mm]
- All Dowel Holes are SF (Slip Fit)
- Locational Tolerance ±0.005” or ±0.13mm
- Metric Threads
  - Course Pitch
  - Coarse Pitch

- Imperial in.
  - 0.005 = ±0.005
  - 0.0005 = ±0.0005

- Metric [mm]
  - ±0.20
  - ±0.13

Dimensions and technical information subject to change without notice
G110-25M Technical Data

G110-25M-10-N-B
Stroke .............................................. 10 mm 0.39 in
Weight .............................................. 0.42 Kg 0.92 lbf
Displacement ................................... 5.06 cc 0.31 cu-in
Actuation ........................................ 0.28 sec 0.28 sec
Max Tensile Load on Jaws .............. 1550 N 350 lbf
Max Compressive Load on Jaws .... 3550 N 800 lbf
Max Moment on Jaws .................... 35 Nm 300 in-lbs

G110-25M-20-N-B
Stroke .............................................. 20 mm 0.79 in
Weight .............................................. 0.64 Kg 1.41 lbf
Displacement ................................... 10.12 cc 0.62 cu-in
Actuation ........................................ 0.36 sec 0.36 sec
Max Tensile Load on Jaws .............. 1750 N 400 lbf
Max Compressive Load on Jaws .... 3775 N 850 lbf
Max Moment on Jaws .................... 40 Nm 350 in-lbs

G110-25M-30-N-B
Stroke .............................................. 30 mm 1.18 in
Weight .............................................. 0.85 Kg 1.87 lbf
Displacement ................................... 15.19 cc 0.93 cu-in
Actuation ........................................ 0.44 sec 0.44 sec
Max Tensile Load on Jaws .............. 2000 N 450 lbf
Max Compressive Load on Jaws .... 4000 N 900 lbf
Max Moment on Jaws .................... 45 Nm 400 in-lbs

G110-25M-40-N-B
Stroke .............................................. 40 mm 1.57 in
Weight .............................................. 1.03 Kg 2.27 lbf
Displacement ................................... 20.3 cc 1.24 cu-in
Actuation ........................................ 0.52 sec 0.52 sec
Max Tensile Load on Jaws .............. 2225 N 500 lbf
Max Compressive Load on Jaws .... 4225 N 950 lbf
Max Moment on Jaws .................... 50 Nm 450 in-lbs

G110-25M-50-N-B
Stroke .............................................. 50 mm 1.97 in
Weight .............................................. 1.22 Kg 2.68 lbf
Displacement ................................... 25.31 cc 1.55 cu-in
Actuation ........................................ 0.61 sec 0.61 sec
Max Tensile Load on Jaws .............. 2450 N 550 lbf
Max Compressive Load on Jaws .... 4450 N 1000 lbf
Max Moment on Jaws .................... 55 Nm 500 in-lbs

Dimensions and technical information subject to change without notice
G100 Series Accessories

G100 Series Common Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>OHSN-021</td>
<td>Sensor, NPN magneto resistive type, 4mm Barrel</td>
<td>1, 2, 3 or 4</td>
</tr>
<tr>
<td>OHSP-021</td>
<td>Sensor, PNP magneto resistive type, 4mm Barrel</td>
<td>1, 2, 3 or 4</td>
</tr>
<tr>
<td>CABL-010</td>
<td>Cable straight, quick disconnect, socket, 3 conductor, 2M length</td>
<td>1, 2, 3 or 4</td>
</tr>
</tbody>
</table>

G110-08M, G120-08M Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFT-021</td>
<td>Pneumatic air fitting, straight M3 screw to 3mm tube push-in</td>
<td>2</td>
</tr>
<tr>
<td>20961-11</td>
<td>Jaw locating sleeve for precise finger mounting</td>
<td>4</td>
</tr>
<tr>
<td>SLKT-244</td>
<td>Includes: End gasket G110-08M (Qty 2) Seal: U-cup buna replacement seal (Qty 4) Button head socket cap screws (Qty 8)</td>
<td>1</td>
</tr>
</tbody>
</table>

G110-11M , G120-11M Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFT-021</td>
<td>Pneumatic air fitting, straight M3 screw to 3mm tube push-in</td>
<td>2</td>
</tr>
<tr>
<td>20961-11</td>
<td>Jaw locating sleeve for precise finger mounting</td>
<td>4</td>
</tr>
<tr>
<td>SLKT-245</td>
<td>Includes: End gasket G110-11M (Qty 2) Seal: U-cup buna replacement seal (Qty 4) Button head socket cap screws (Qty 8)</td>
<td>1</td>
</tr>
</tbody>
</table>
## G100 Series Accessories

### G110-18M, G120-18M Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFT-041</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
<td>2</td>
</tr>
<tr>
<td>OFSV-004</td>
<td>Valve kit, failsafe, M5 ports</td>
<td>1</td>
</tr>
<tr>
<td>20962-11</td>
<td>Jaw locating sleeve for precise finger mounting</td>
<td>4</td>
</tr>
<tr>
<td>SLKT-246</td>
<td>Includes:&lt;br&gt;- End gasket G110-18M (Qty 2)&lt;br&gt;- Seal: U-cup buna replacement seal (Qty 4)&lt;br&gt;- Button head socket cap screws (Qty 8)</td>
<td>1</td>
</tr>
</tbody>
</table>

### G110-25M, G120-25M Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLFT-041</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
<td>2</td>
</tr>
<tr>
<td>OFSV-004</td>
<td>Valve kit, failsafe, M5 ports</td>
<td>1</td>
</tr>
<tr>
<td>20963-11</td>
<td>Jaw locating sleeve for precise finger mounting</td>
<td>4</td>
</tr>
<tr>
<td>SLKT-247</td>
<td>Includes:&lt;br&gt;- End gasket G110-25M (Qty 2)&lt;br&gt;- Seal: U-cup buna replacement seal (Qty 4)&lt;br&gt;- Button head socket cap screws (Qty 8)</td>
<td>1</td>
</tr>
</tbody>
</table>

*Dimensions and technical information subject to change without notice*
G100 Series Quick Installation Kits

Commissioning Kits for Easy Ordering

- Includes just what you need for easy installation.
- One quick installation kit required per gripper.
- Fast, simple convenient ordering.

G110-08M, G120-08M Quick Installation Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110-QKST-101</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto resistive type, 4mm barrel</td>
</tr>
<tr>
<td></td>
<td>PLFT-021</td>
<td>2</td>
<td>Pneumatic air fitting, M3 screw to 3mm tube push-in</td>
</tr>
<tr>
<td></td>
<td>20961-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
</tr>
<tr>
<td></td>
<td>SHSM02.5C10</td>
<td>4</td>
<td>Finger mounting screws</td>
</tr>
</tbody>
</table>

G110-11M, G120-11M Quick Installation Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110-QKST-102</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto Resistive type, 4mm barrel</td>
</tr>
<tr>
<td></td>
<td>PLFT-021</td>
<td>2</td>
<td>Pneumatic air fitting, M3 screw to 3mm tube push-in</td>
</tr>
<tr>
<td></td>
<td>20961-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
</tr>
<tr>
<td></td>
<td>SHSM03C10</td>
<td>4</td>
<td>Finger mounting screws</td>
</tr>
</tbody>
</table>

G110-18M, G120-18M Quick Installation Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110-QKST-103</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto resistive type, 4mm Barrel</td>
</tr>
<tr>
<td></td>
<td>PLFT-041</td>
<td>2</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
</tr>
<tr>
<td></td>
<td>20962-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
</tr>
<tr>
<td></td>
<td>SHSM04C12</td>
<td>4</td>
<td>Finger mounting screws</td>
</tr>
</tbody>
</table>

G110-25M, G120-25M Quick Installation Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110-QKST-104</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto resistive type, 4mm barrel</td>
</tr>
<tr>
<td></td>
<td>PLFT-041</td>
<td>2</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
</tr>
<tr>
<td></td>
<td>20963-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
</tr>
<tr>
<td></td>
<td>SHSM05C16</td>
<td>4</td>
<td>Finger mounting screws</td>
</tr>
</tbody>
</table>
G100 Series Interchangeable Fingers with Extended Gripper Jaw Option.

Fast Gripper Commissioning

- Re-use your existing gripper fingers.
- Same finger mounting hole pattern as competitive units.
- G100 Series Grippers Deliver:
  - Low Maintenance Shielded Design
  - Smooth Rack and Pinion Operation
  - Fast cycle times down to 0.06 seconds
  - Low height profile
  - All-in-one Commissioning Kits

100% Finger Compatible

G110 Extended Jaw Option, Finger Interchangeability Table* (G120 units ship with extended jaw option installed)

<table>
<thead>
<tr>
<th>Extended Jaw Option Part Number</th>
<th>Mounts to G110 Series Part Number</th>
<th>Finger Compatible with SMC Part Number</th>
<th>Application Notes</th>
<th>Application Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110-FNGR-08M-05</td>
<td>G110-08M-05-N-B</td>
<td>MHZ2-10</td>
<td>G110 has 1mm extra stroke, 9N extra total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-08M-10</td>
<td>G110-08M-10-N-B</td>
<td>MHZL2-10</td>
<td>G110 has 2mm extra stroke, 10N extra total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-11M-05</td>
<td>G110-11M-05-N-B</td>
<td>MHZ2-16</td>
<td>G110 has 1mm less stroke, 13N less total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-11M-10</td>
<td>G110-11M-10-N-B</td>
<td>MHZL2-16</td>
<td>G110 has 2mm less stroke, 11N less total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-18M-12</td>
<td>G110-18M-12-N-B</td>
<td>MHZ2-25</td>
<td>G110 has 2mm less stroke, 24N extra total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-18M-24</td>
<td>G110-18M-24-N-B</td>
<td>MHZL2-25</td>
<td>G110 has 2mm extra stroke, 46N extra total force</td>
<td></td>
</tr>
<tr>
<td>G110-FNGR-25M-20</td>
<td>G110-25M-20-N-B</td>
<td>MHZ2-32</td>
<td>G110 has 2mm less stroke, 20N less total force</td>
<td></td>
</tr>
</tbody>
</table>

*Verify acceptable stroke and force changes in the table above for your application.
G120 units are shipped with the extended jaw option mounted from factory.
SMC is a registered trademark of SMC Corporation.
Workholding
- Widest variety of workholding products
- High durability and reliability
- Flexible solutions for all applications
- Custom products for unique requirements

Automation
- Broad range of engineered automation products
- Complementary products for modular integration
- Unmatched accuracy, reliability and performance
- Unparalleled global sales, service and engineering support

GLOBAL LOCATIONS

NORTH AMERICA
DE-STA-CO Headquarters
Auburn Hills, Michigan
Tel: 1.248.836.6700
Toll Free: 1.888.DESTACO
Marketing: marketing@destaco.com
Customer Service: customerservice@destaco.com
Charlevoix, Michigan
Tel: 1.888.DESTACO
Customer Service: customerservice@destaco.com
Wheeling, Illinois
Tel: 1.800.645.5207
Customer Service: camco@destaco.com
Red Wing, Minnesota (Central Research Laboratories)
Tel: 651.385.2142
Customer Service: sales@centres.com

SOUTH AMERICA
Brazil
Tel: 0800-124070
Customer Service: samerica@destaco.com

ASIA
Thailand
Tel: +66-2-326-0812
Customer Service: info@destaco.com
China
Tel: +86-21-2411-2600
Customer Service: china@destaco.com
India
Tel: +91-80-41123421-426
Customer Service: india@destaco.com

EUROPE
Germany
Tel: +49-6171-705-0
Customer Service: europe@destaco.com
France
Tel: +33-1-3996-5000
Customer Service: france@destaco.com
UK
Tel: +44-1902-797980
Customer Service: uk@destaco.com
Spain
Tel: +34-936361680
Customer Service: spain@destaco.com
Netherlands
Tel: +31-297285332
Customer Service: benelux@destaco.com

Robohand
1025 Doris Road
Auburn Hills, MI 48326 USA
Tel 1.888.DESTACO
Fax 1.248.836.6901
Email grippers@destaco.com
destaco.com

© Copyright, 2014 DE-STA-CO. All rights for layout, photos and text rest with the publisher DE-STA-CO. All photomechanical or other reproductions only with our express permission. All sales are based on our terms and conditions of sale, delivery and payment.