G100 Series

Pneumatic Parallel 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.

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**Product Type** | **Description**
---|---
| G | Gripper

**Jaw Type**

| | **Description** |
---|---|
| 1 | Horizontal Jaws |
| 2 | Vertical Extended Jaws* |
*Select models only, see finger interchangeability table on page 15

**Size**

| | **Description** |
---|---|
| 08 | Size 08 |
| 11 | Size 11 |
| 18 | Size 18 |
| 25 | Size 25 |

**Stroke**

| | **Description** |
---|---|
| 05, 10, 15, 20, 25 | for Size 08 |
| 05, 10, 15, 20, 25 | for Size 11 |
| 06, 12, 18, 24, 30 | for Size 18 |
| 10, 20, 30, 40, 50 | for Size 25 |

**Seals**

| | **Description** |
---|---|
| B | Buna-N |

**Options**

| | **Description** |
---|---|
| N | No Options |

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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: -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
G110-08M 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)

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**WARNING!** DO NOT EXCEED MAXIMUM EFFECTIVE FINGER LENGTH

Dimensions and technical information subject to change without notice.
## 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**: -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

### G110-11M-10

- **Dimensions**:
  - 2XM3 PORTS
  - OPEN
  - CLOSE

### G110-11M-15

- **Dimensions**:
  - OPEN
  - CLOSE

### G110-11M-20

- **Dimensions**:
  - OPEN
  - CLOSE

### G110-11M-25

- **Dimensions**:
  - OPEN
  - CLOSE

### G110-11M-30

- **Dimensions**:
  - OPEN
  - CLOSE

---

*Dimensions and technical information subject to change without notice*
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: -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.


**G110-18M 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 lbf)

**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 lbf)

**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 lbf)

**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 lbf)

**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 lbf)

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**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: -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
Robohand G110-25M Specification

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>

**OHSP-021**

PnP SENSOR

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

**OHSN-021**

NPN SENSOR

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

#### 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:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>End gasket G110-08M (Qty 2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Seal: U-cup buna replacement seal (Qty 4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Button head socket cap screws (Qty 8)</td>
<td></td>
</tr>
</tbody>
</table>

**PLFT-021**

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

**20961-11**

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

- GND (-)

#### 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>
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</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:</td>
<td>1</td>
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<tr>
<td></td>
<td>End gasket G110-11M (Qty 2)</td>
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<tr>
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<td>Seal: U-cup buna replacement seal (Qty 4)</td>
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</table>

**PLFT-021**

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

**20961-11**

- PIN 1: BROWN (+)
- PIN 4: BLACK (SIGNAL)
- PIN 3: BLUE (-)

- GND (-)

---

Dimensions and technical information subject to change without notice
## G100 Series Grippers 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:</td>
<td>1</td>
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<tr>
<td></td>
<td>End gasket G110-18M (Qty 2)</td>
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</tr>
<tr>
<td></td>
<td>Seal: U-cup buna replacement seal (Qty 4)</td>
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</tr>
<tr>
<td></td>
<td>Button head socket cap screws</td>
<td></td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
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<tr>
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<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:</td>
<td>1</td>
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<td></td>
<td>End gasket G110-25M (Qty 2)</td>
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<tr>
<td></td>
<td>Seal: U-cup buna replacement seal (Qty 4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Button head socket cap screws</td>
<td></td>
</tr>
</tbody>
</table>
## 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.

![Images of installation kits](2 Sensors, 2 Air Fittings, 4 Jaw Locating Finger Sleeves, 4 Finger Mounting Screws)

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
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<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>
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</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
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<th>Description</th>
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<tbody>
<tr>
<td>G110-QKST-102</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto Resistive type, 4mm barrel</td>
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<tr>
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<td>PLFT-041</td>
<td>2</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
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<td></td>
<td>20962-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
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<tr>
<td></td>
<td>SHSM03C12</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>
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<th>Description</th>
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<tbody>
<tr>
<td>G110-QKST-103</td>
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<td>Sensor, PNP magneto resistive type, 4mm Barrel</td>
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<td>PLFT-041</td>
<td>2</td>
<td>Pneumatic air fitting, right angle, M5 screw to 6mm tube push-in</td>
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<tr>
<td></td>
<td>20963-11</td>
<td>4</td>
<td>Jaw locating sleeve for precise finger mounting</td>
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<tr>
<td></td>
<td>SHSM04C12</td>
<td>4</td>
<td>Finger mounting screws</td>
</tr>
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### G110-25M, G120-25M Quick Installation Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Includes</th>
<th>Quantity</th>
<th>Description</th>
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<tbody>
<tr>
<td>G110-QKST-104</td>
<td>OHSP-021</td>
<td>2</td>
<td>Sensor, PNP magneto resistive type, 4mm barrel</td>
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<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>
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<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>
</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>
</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>
</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>
</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>
</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>
</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>
</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>
</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.

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Dimensions and technical information subject to change without notice
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