Bimba’s Pneumatic Gripper System (BPGS) provides a versatile yet rugged gripping solution for a wide range of applications. With its vast array of jaws, pads, and custom grippers this system will fulfill various needs for your specific application.

Bimba developed this new series to expand its current line of angular and parallel grippers and to offer a high gripping force solution for large or heavy objects with various jaws to choose from. Bimba offers angular, regular, chisel, flange, and shovel jaw types. Jaw types are recommended for certain industries:

**Angular & Regular Jaws:**
- General purpose gripper
- Pick and place
- Material transfer
- Clamping

**Regular, Chisel, Flange & Shovel Jaws:**
- Sheet metal handling
- Automated welding
- Recreational vehicle
- Heavy truck
- White goods (Appliances)
- Construction equipment
- Metal plating and coating
- Rail cars
- Military vehicle manufacturing
- Thermoforming

**Benefits:**
- High gripping force allows for picking up large heavy objects in demanding environments
- The long-lasting hardened steel chassis ensures that the gripper can withstand hard impacts with the work piece and other items within the environment
- Easily repairable by using a single wrench reducing downtime
- Gripper locks in closed position for safety

**Technical Features:**
- High gripping forces up to 450 lbs. at 80 PSI
- Fast actuation time:
  - 0.05 second close
  - 0.09 second open
  - 425 cycles per minute
- Compact in size:
  - 5.34” x 1.65” x 1.04”
- Optional sensors:
  - Part presence
  - Double blank
BPGS10Z20DNR1S4E

### Ordering Information

<table>
<thead>
<tr>
<th>Jaw*</th>
<th>Jaw Angle*</th>
<th>Material Thickness*</th>
<th>Pad Width</th>
<th>Pad Style*</th>
<th>Port Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR</td>
<td>22° x 0°</td>
<td>1 0.50-2.00mm</td>
<td>S 0.5&quot;</td>
<td>0</td>
<td>E Top 1/8&quot; NPS</td>
</tr>
<tr>
<td>HF</td>
<td>22° x 14°</td>
<td>2 2.01-3.50mm</td>
<td>M 1.0&quot;</td>
<td>1</td>
<td>F Top 1/8&quot; Rc</td>
</tr>
<tr>
<td>F</td>
<td>22° x 22°</td>
<td>3 3.51-5.00mm</td>
<td>D 1.5&quot;</td>
<td>2</td>
<td>L Right 1/8&quot; NPS</td>
</tr>
<tr>
<td>R</td>
<td>45° x 0&quot;</td>
<td>4 5.00-2.5mm</td>
<td>U No Pads</td>
<td>3</td>
<td>M Right 1/8&quot; Rc</td>
</tr>
<tr>
<td>S</td>
<td>45° x 14°</td>
<td>5 7.00-10.0mm</td>
<td>0 No Pads</td>
<td>4</td>
<td>E Bottom 1/8&quot; NPS</td>
</tr>
<tr>
<td>Z</td>
<td>45° x 22°</td>
<td>7 15.00-20.0mm</td>
<td>R Rubber</td>
<td>5</td>
<td>F Bottom 1/8&quot; Rc</td>
</tr>
<tr>
<td></td>
<td>45° x 45°</td>
<td>72 70° x 0°</td>
<td>S Smooth</td>
<td>6</td>
<td>L Left 1/8&quot; NPS</td>
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<tr>
<td></td>
<td>70° x 14°</td>
<td>73 70° x 35°</td>
<td>C Convex</td>
<td>7</td>
<td>U Left 1/8&quot; Rc</td>
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<tr>
<td></td>
<td>70° x 70°</td>
<td>77 70° x 70°</td>
<td>L No Pads</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: Not all options are shown, options are limited by jaw style selection, sensor and/or pad. Please see full catalog for more details on available options and configurations.

### Dimensions

**BPGS10**

| 90 (23.9) |
| 1.175 (44.5) |
| 1.13 (34.5) |
| 0.63 (15.9) |

**BPGS11**

| 1.20 (30.5) |
| 1.173 (43.8) |
| 0.63 (15.9) |
| 1.65 (41.8) |

*Note: All dimensions are in millimeters.*

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Due to our policy of continuous development, Bimba reserve the right to change specifications without prior notice.

IMI Precision Engineering operates four global centres of technical excellence and a sales and service network in 75 countries, as well as manufacturing capability in the USA, Germany, China, UK, Switzerland, Czech Republic, Mexico and Brazil.

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