AGLP-8 T-SLOT BEARING SERIES PARALLEL GRIPPER

PRODUCT SPECIFICATIONS

**Design:** Parallel, Double Acting, Synchronized Jaws

**Stroke:** 0.50 in [12.7 mm] 1.00 in [25.4 mm] 1.50 in [38.1 mm]

**Gripping Force @ 80 PSI [5.5 BAR]**
Closing: 45 lbs [200 N]
Opening: 45 lbs [200 N]

**Time:**
Close: 0.2 sec [0.2 sec]
Open: 0.2 sec [0.2 sec]

**Pressure Range:**
Low/High 10-120 PSI [.7-7 BAR]

**Temperature Range:**
Low/High -20°/180°F [-28°/80°C]

**Side Play:** ± 0.001 [.03 mm]

**Loading Capacity:** Static – Dynamic

Max Tensile T
165lbs [734 N] 55 lbs [245 N]

FEATURES & BENEFITS

- Jaws are T-Slot bearing supported to prevent jaw breakage and offer superior load bearing performance.
- Rugged rack and pinion synchronizing.
- High gripping force to weight ratio.
- Compact Design with long stroke.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, this allowing for compliance with OSHA regulations.
- Piston seals are quad ring type for long service life.
- Hall effect sensors are available to monitor open and closed positions of the jaws.
- AGLP is fully field repairable for cost savings and minimum down time.
- Gripper can be ordered with 3 different stroke on the same size body.
<table>
<thead>
<tr>
<th>Max Compressive $C$</th>
<th>165 lbs</th>
<th>55 lbs</th>
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<tbody>
<tr>
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<td>[734 N]</td>
<td>[245 N]</td>
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<tr>
<th>Max Moment $M_x$</th>
<th>100 in/lb</th>
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<td>[11.3 Nm]</td>
<td>[3.7 Nm]</td>
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<tr>
<th>Max Moment $M_y$</th>
<th>125 in/lb</th>
<th>42 in/lb</th>
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<tbody>
<tr>
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<td>[14.1 Nm]</td>
<td>[4.7 Nm]</td>
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<th>Max Moment $M_z$</th>
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**Material:** High Strength, Hard Coated aluminum bronze alloys, Steel

**Weight:** 2 lb [0.90 kg]

**Piston Diameter:** 1.250 in [31.7 mm]