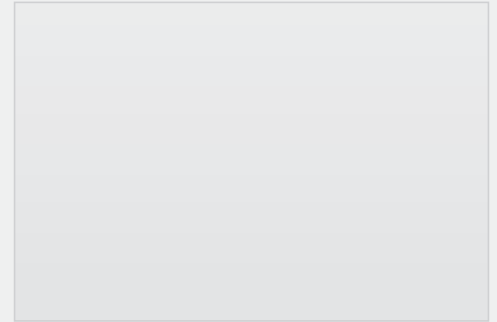


AGLP-12 T-SLOT BEARING SERIES PARALLEL GRIPPER



PRODUCT SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Jaws

Stroke: 1.00 in [25.4 mm] 1.50 in [38.1 mm] 2.00 in [50.8 mm]

Gripping Force @ 80 PSI [5.5 BAR]

Closing: 80 lbs [355 N]

Opening: 80 lbs [355 N]

Time:

Close: 0.25 sec [0.2 sec]

Open: 0.25 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

225lbs

[1000 N]

75 lbs

[333 N]

- 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.

Max Compressive C

225 lbs	75 lbs
[1000 N]	[333 N]

Max Moment Mx

570 in/lb	190 in/lb
[64.4 Nm]	[21.4 Nm]

Max Moment My

685 in/lb	228 in/lb
[77.4 Nm]	[25.1 Nm]

Max Moment Mz

570 in/lb	190 in/lb
[64.4 Nm]	[21.4 Nm]

Material: High Strength,Hard Coated aluminum bronze alloys, Steel

Weight: 5 lb [2.26 kg]

Piston Diameter: 1.625 in [41.2 mm]



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