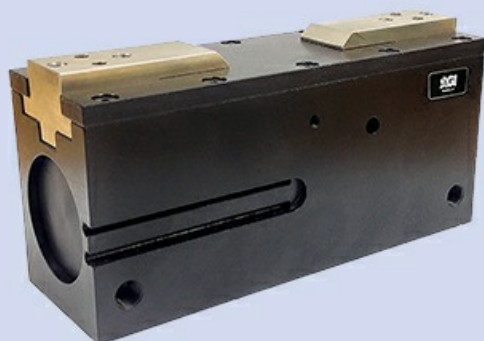


AGLP-12 Parallel Gripper

T-Slot Bearing Series, Low Profile



FEATURES AND 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, allowing for compliance with OSHA regulations.
- Hall effect sensors are available to monitor open and closed position of the jaws.
- AGLP is fully field repairable for cost savings and minimum down time

SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Jaws

Stroke: 1.0, 1.5, 2.0 in [25.4, 38.1, 50.8 mm]

Gripping Force @ 80 PSI [5.5 BAR]

Closing: 80 lbs [356 N]

Opening: 80 lbs [356 N]

Time:

Close: 0.25 sec [0.00 sec]

Open: 0.25 sec [0.00 sec]

Pressure Range:

Low/High 10-120 PSI [.7-7 BAR]

Temperature Range:

Low/High -20°/ 180°F [-28°/ 80°C]

Side Play: ± .001 [.03mm]

Loading Capacity:

	Static	Dynamic
Max Tensile T	225 lbs [1001 N]	75 lbs [334 N]

	Static	Dynamic
Max Compressive C	225 lbs [1001N]	75 lbs [334 N]

	Static	Dynamic
Max Moment M_x	570 in/lb [2536Nm]	190 in/lb [845Nm]

	Static	Dynamic
Max Moment M_y	685 in/lb [3048Nm]	228 in/lb [1014Nm]

	Static	Dynamic
Max Moment M_z	570 in/lb [2536Nm]	190 in/lb [845Nm]

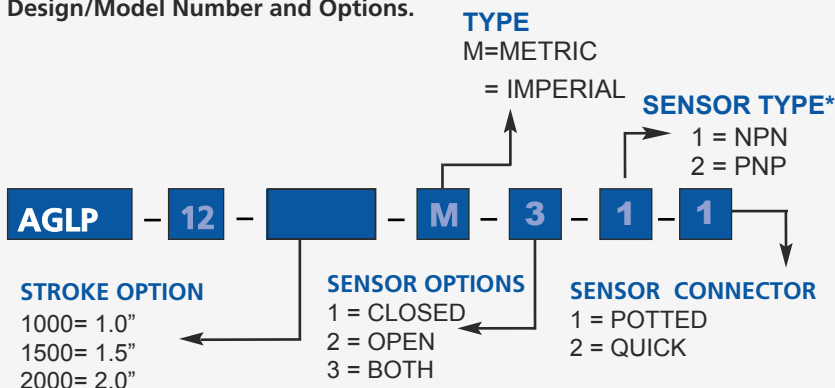
Material: High Strength, Hard Coated aluminum bronze alloys, Steel

Weight: 5 lbs [2.26 kg]

Piston Diameter: 1.625 in [41.2 mm]

HOW TO ORDER

When ordering, please specify:
Design/Model Number and Options.



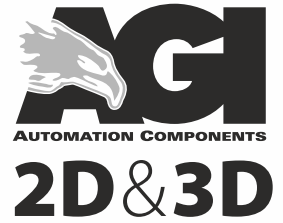
* NOTE: Hall Effect 4mm dia., 5-24 VDC, 22 mA and comes with 2 meter cable or quick disc.

Sensor Part # SHN01, SHNQ3, SHP01, SHPQ3

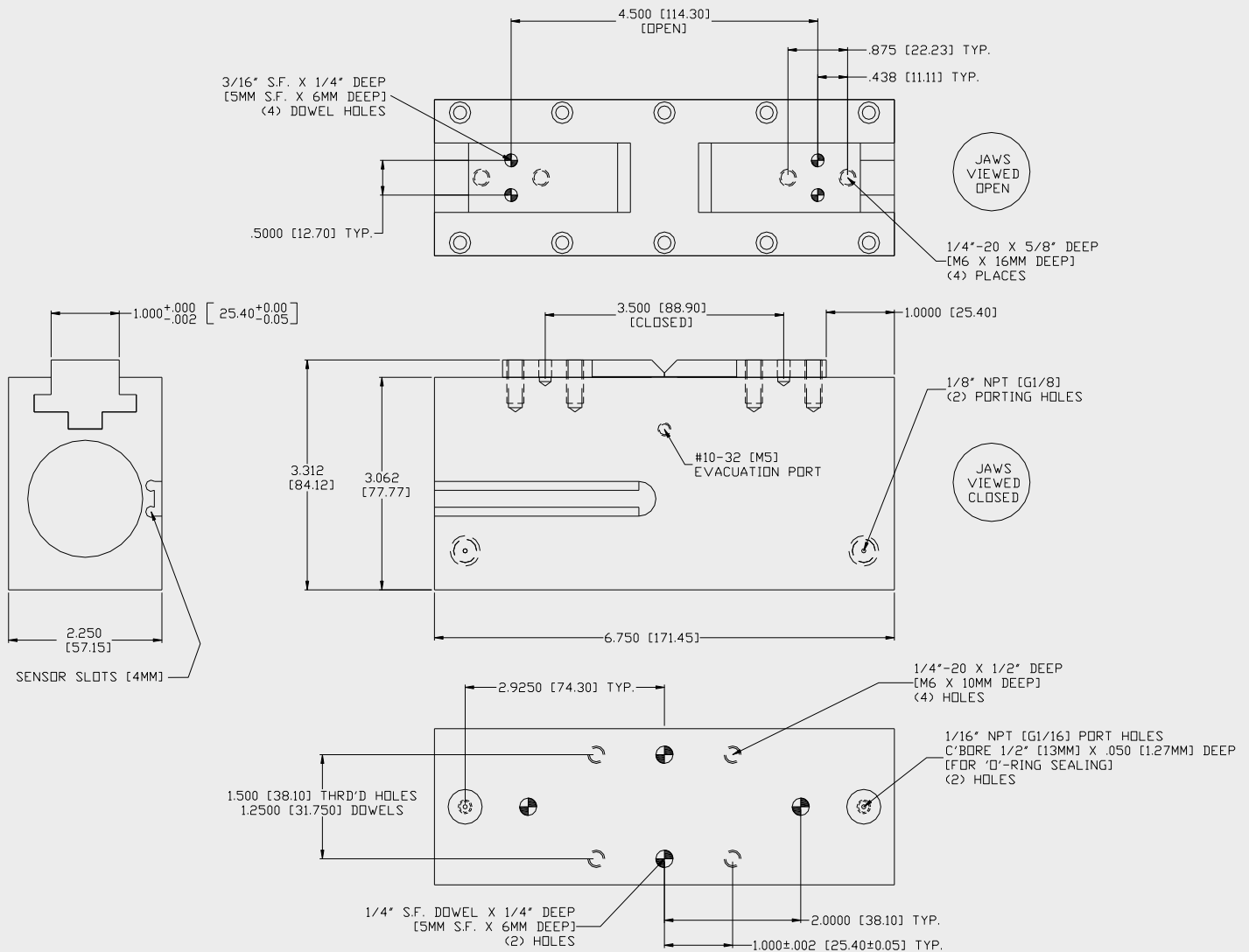
January 2009 - PATENTED Made in the USA

AGLP-12-1000 Parallel Gripper

T-Slot Bearing Series, Low Profile



Download 2D & 3D CAD Files
@ www.AGI-Automation.com



Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [0.13mm]



Metric Threads Course Pitch

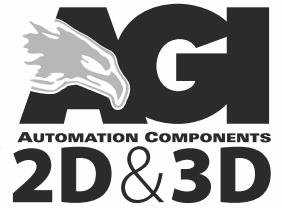
Imperial:
Inch

0.00 = ±.01
0.000 = ±.005
0.0000 = ±.0005

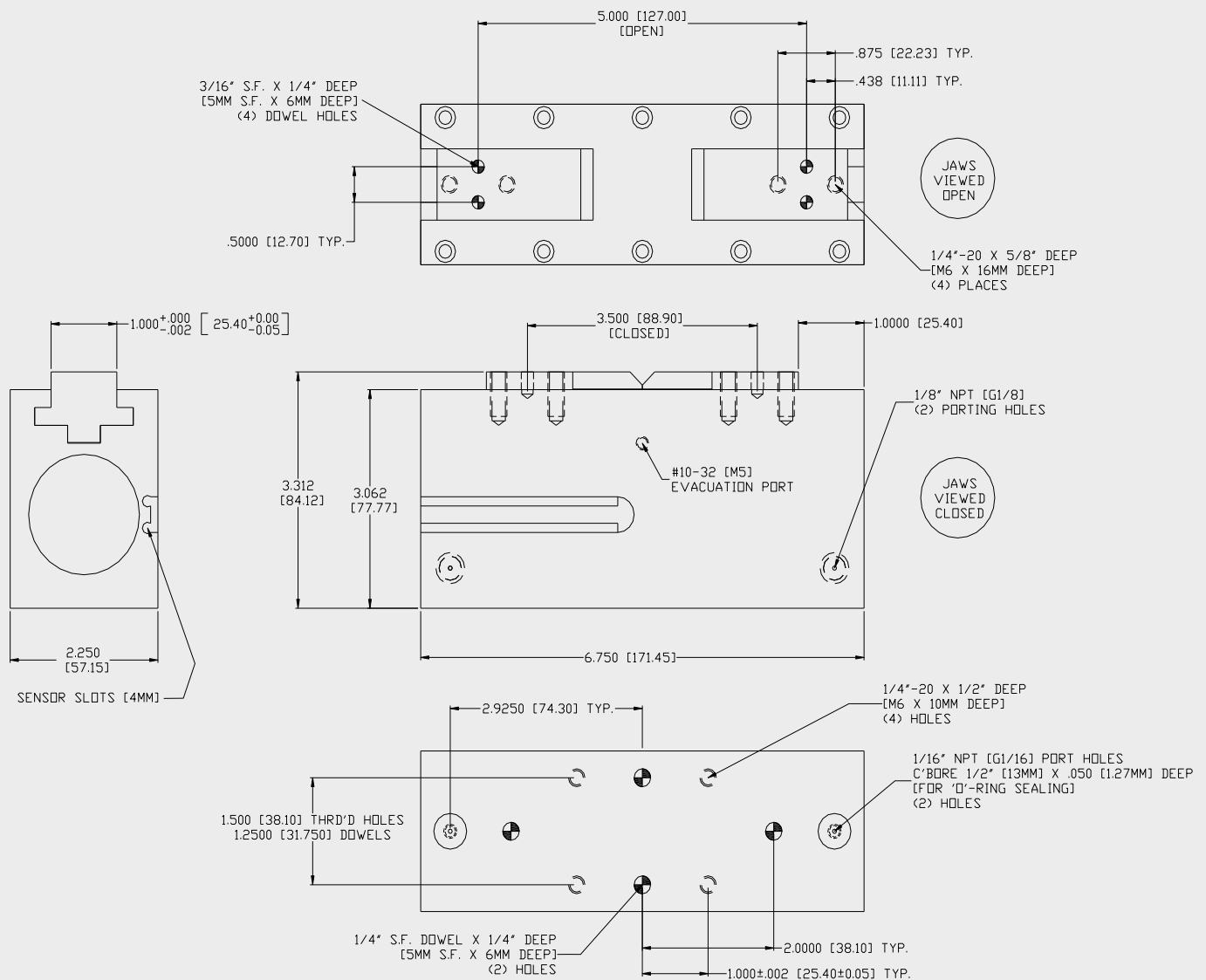
Metric:
[mm]
[0.] = ±.25
[0.0] = ±.13
[0.00] = ±.013

AGLP-12-1500 Parallel Gripper

T-Slot Bearing Series, Low Profile



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Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]



Metric Threads Course Pitch

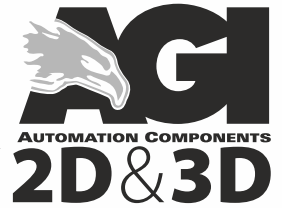
Imperial:
Inch

0.00 = ±.01
0.000 = ±.005
0.0000 = ±.0005

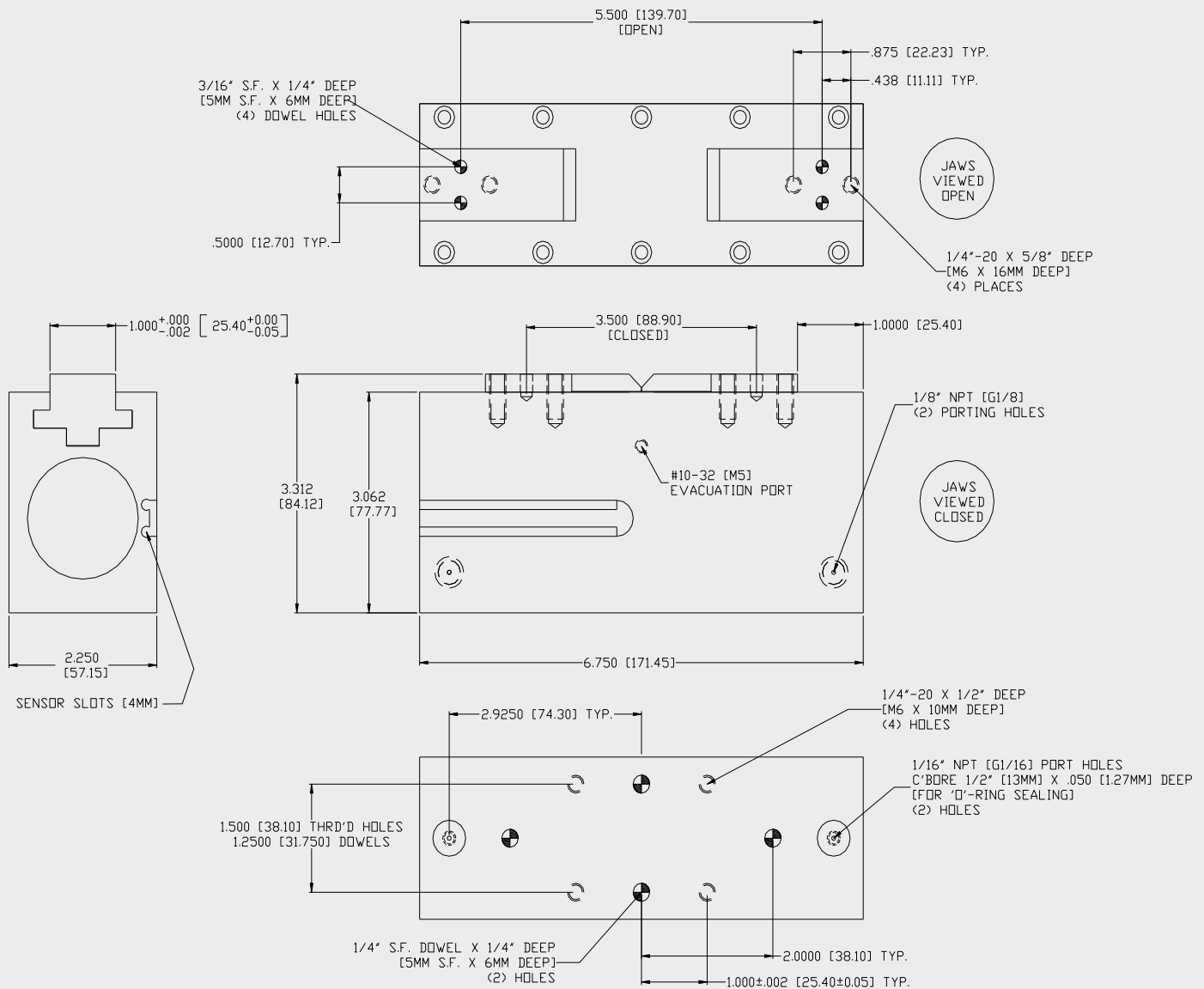
Metric:
[mm]
[0.] = ±.25
[0.0] = ±.13
[0.00] = ±.013

AGLP-12-2000 Parallel Gripper

T-Slot Bearing Series, Low Profile



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Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance $\pm .0005$ [0.013mm]



Metric Threads Course Pitch

Imperial:
Inch

0.00 = ± 0.1
0.000 = ± 0.005
0.0000 = ± 0.0005

Metric:
[mm]
[0.] = ± 0.25
[0.0] = ± 0.13
[0.00] = ± 0.13