



AGLP-8 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: 0.5, 1.0, 1.5 in [25.4 mm]

Gripping Force @ 80 PSI [5.5 BAR]

Closing: 45 lbs [62 N]
Opening: 45 lbs [62 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° 180F [-28° 80°C]

Side Play: ±0.001 [0.03 mm]

Loading Capacity:

	Static	Dynamic
Max Tensile T	165 lbs [533 N]	55 lbs [177 N]
Max Compressive C	165 lbs [533 N]	55 lbs [177 N]

Max Moment M_x 100 in/lb [8.5 Nm] 33 in/lb [2.8 Nm]

Max Moment M_y 125 in/lb [11.3 Nm] 42 in/lb [3.9 Nm]

Max Moment M_z 100 in/lb [8.5 Nm] 33 in/lb [2.8 Nm]

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

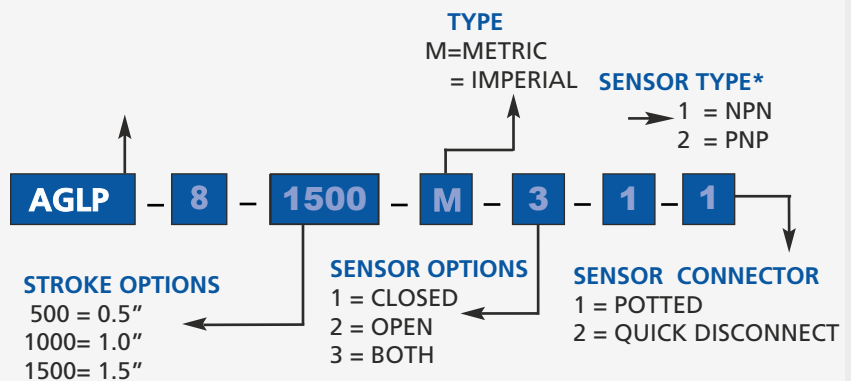
Weight: 2 lbs. [142 g]

Piston Diameter: 1.250 in [17.7 mm]

January 2009 - PATENTED Made in the USA

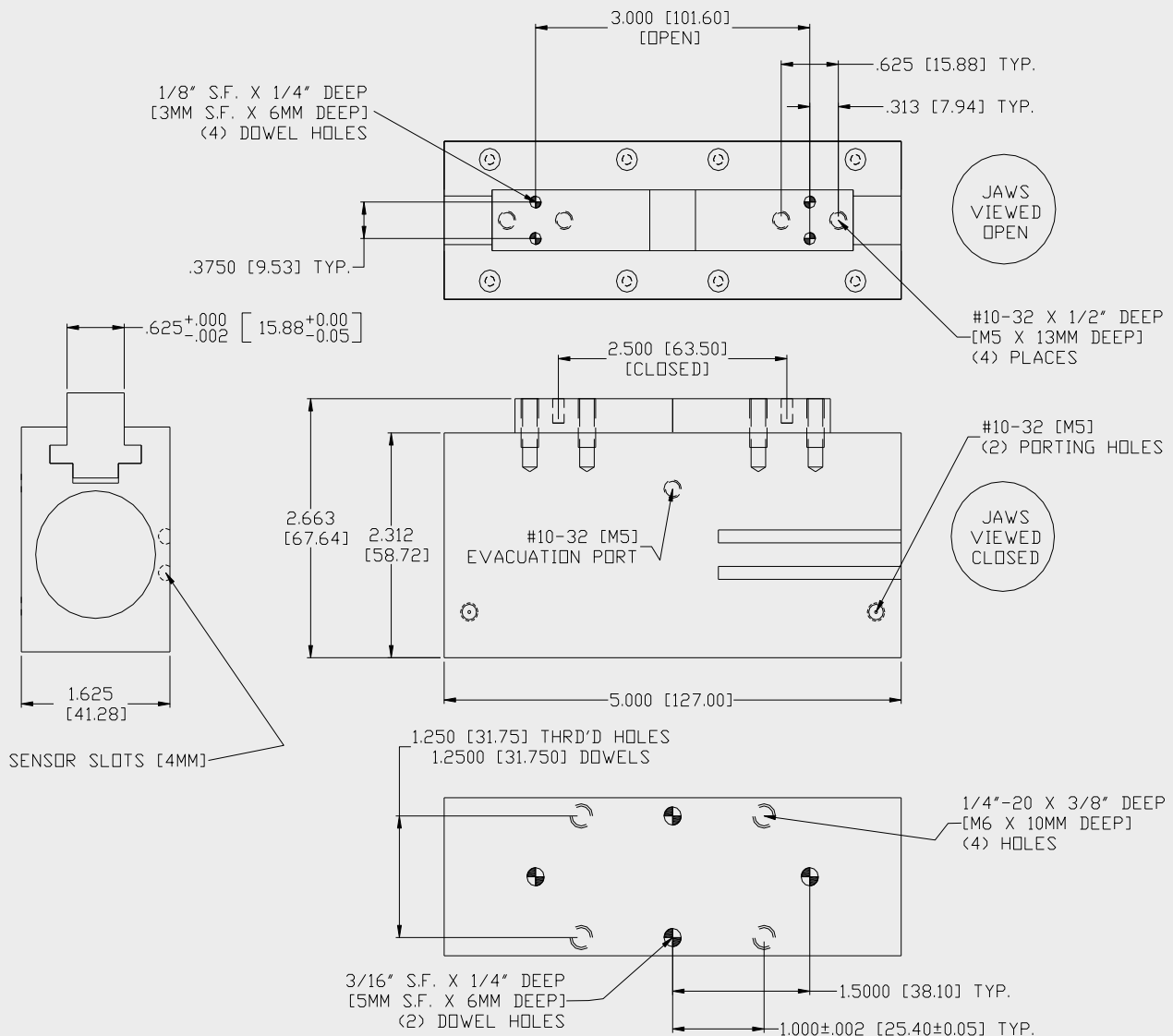
HOW TO ORDER

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, SHN03, SHP01, SHP03



Unless noted, all tolerances are as indicated here:



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

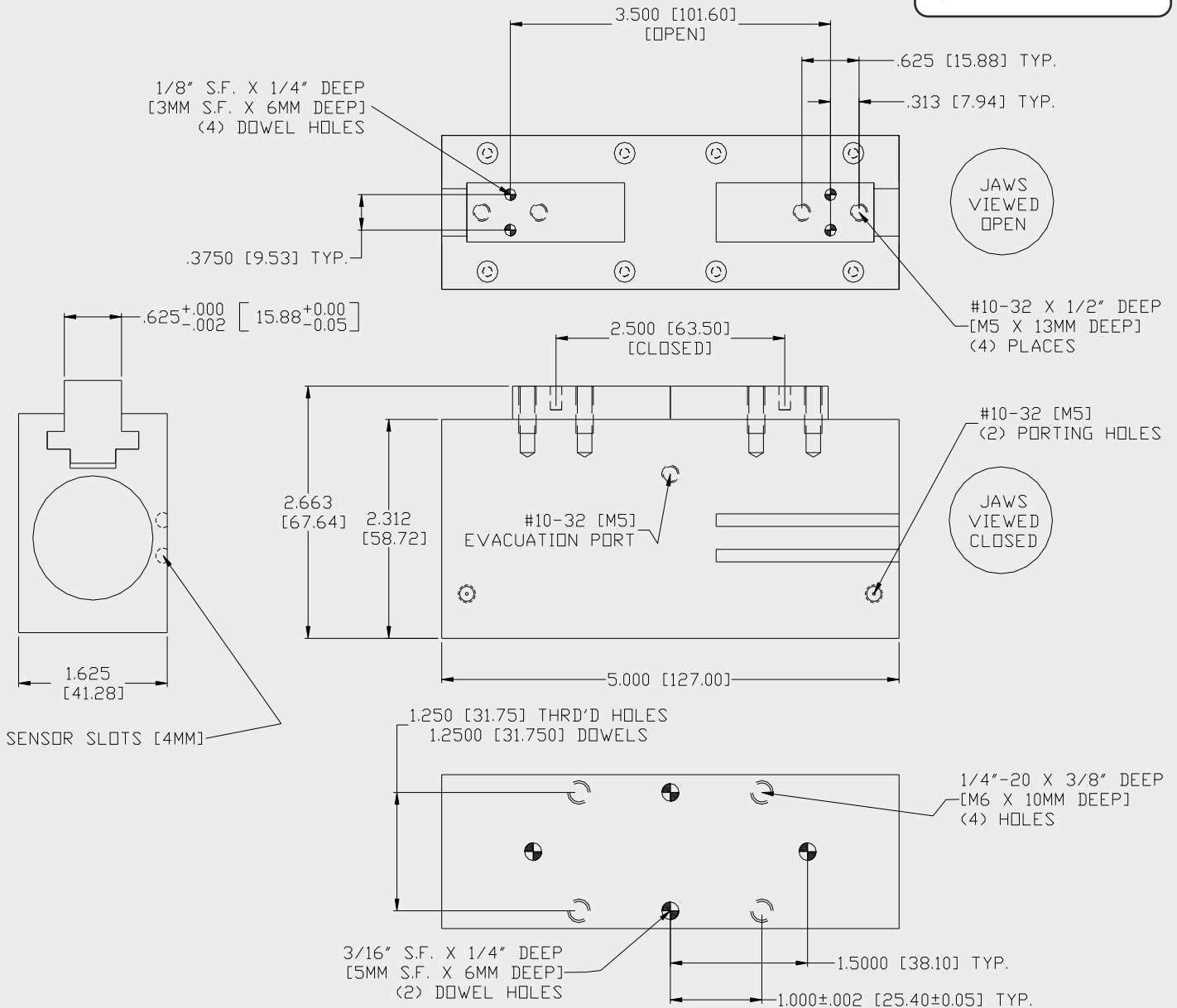


Metric Threads
Course Pitch

Imperial:
Inch

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

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



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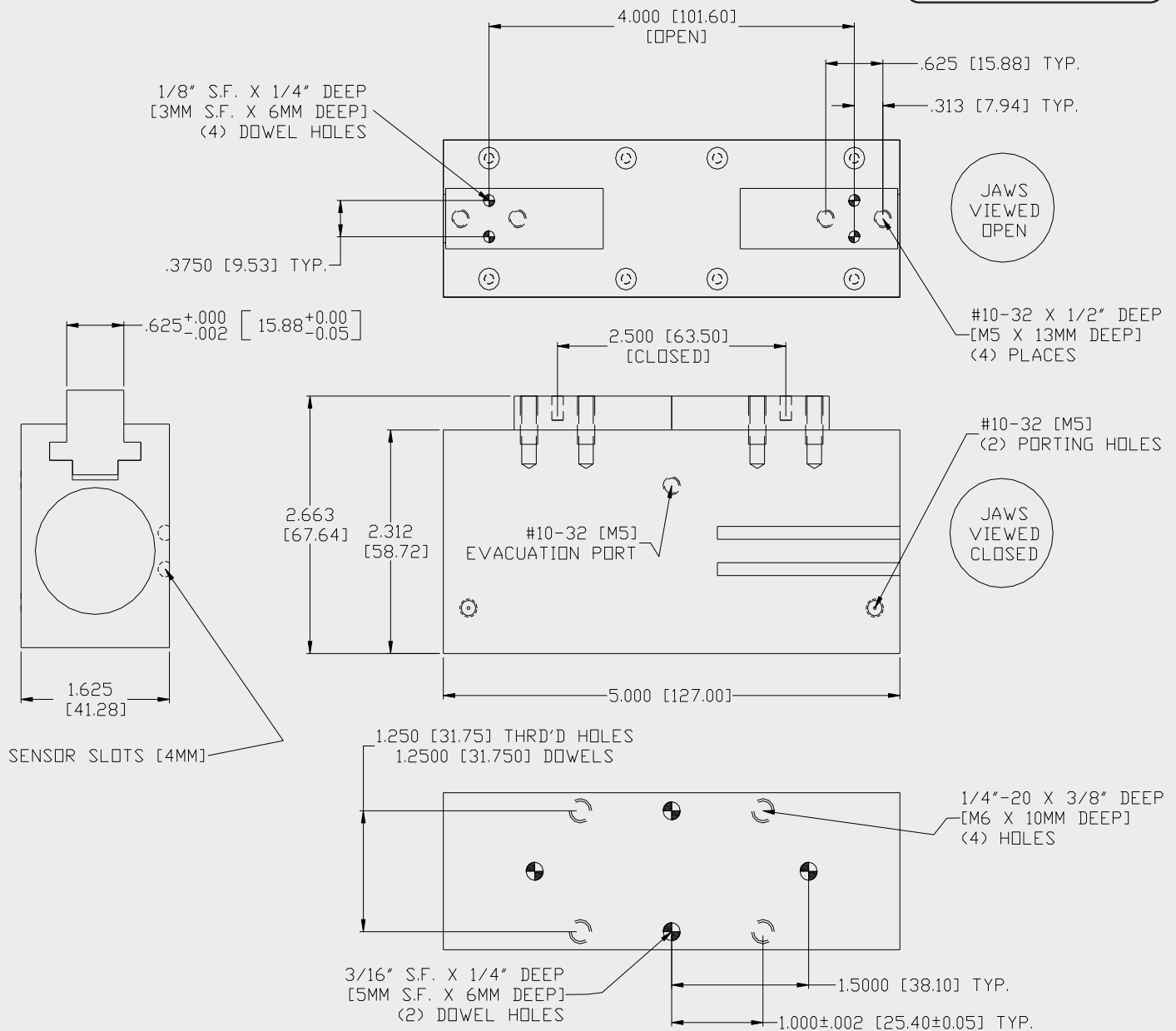
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