AGP-375 Parallel Gripper
Double Guided Wedge

FEATURES AND BENEFITS

- Ultra high gripping force to weight ratio.
- True parallel jaw motion for easy tooling.
- Units are permanently lubricated for non-lube air operation, this allowing for compliance with OSHA regulations.
- Additional side mounting holes and side air ports for optional mounting and porting available.
- Proximity switches are available to monitor open and closed position of the jaws.
- Fully field repairable for cost savings and minimum down time.

SPECIFICATIONS

Design: Parallel, Double Acting, Synchronized Jaws

Stroke: 0.375 in [9.5 mm]
Gripping Force @ 80 PSI [5.5 bar]:
- Closing: 20 lbs [89 N]
- Opening: 22 lbs [97 N]
Time:
- Close: 0.2 sec [0.2 sec]
- Open: 0.2 sec [0.2 sec]
Pressure Range: 30-120 PSI [2-8 bar]
Temperature Range: -20˚-180˚F [-28˚-80˚C]
Side Play: ± 0.001 [0.03 mm]
Repeatability from center: ±0.002 [0.06 mm]

Loading Capacity:

Max Tensile T
- Static 200 lbs [889 N]
- Dynamic 25 lbs [111 N]
Max Compressive C
- Static 400 lbs [1780 N]
- Dynamic 25 lbs [111 N]
Max Moment Mx
- 150 in/lb [17 Nm]
Max Moment My
- 150 in/lb [17 Nm]
Max Moment Mz
- 150 in/lb [17 Nm]

Material: High Strength, Hard Coated aluminum bronze alloys, Steel
Weight: 7 oz. [198 g]
Piston Diameter: 1.00 in [25.4 mm]

January 2009 - PATENTED - Made in the USA

HOW TO ORDER

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

DATE

SENSOR OPTIONS
1 = CLOSED
2 = OPEN
3 = BOTH

SENSOR PART # SNC04, SPC04

* NOTE: Proximity sensors are 4 mm dia., 12-30 VDC, 50 mA and comes with 2 meter cable or quick disc.

WARNING! Do not exceed tooling jaw length. See Chart above.

LOADING INFORMATION

TYPE
M = METRIC
IMPERIAL

OPTIONAL PORT

SENSOR TYPE*
1 = NPN
2 = PNP

HOLDING FORCES CHART

LOADING INFORMATION

MORE TECHNICAL SPECIFICATIONS FOR SENSORS ON "SENSORS ACCESSORIES" PAGE.
Unless noted, all tolerances are as indicated here:

- **All Dowel Holes are SF (Slip Fit) Locational Tolerance ± .0005" [.013mm]**
- **Metric Threads Course Pitch**
  - **Imperial:** 0.00 = ±.01
  - 0.000 = ±.005
  - 0.0000 = ±.0005
  - **Metric:** [0.] = ±.25
  - [0.0] = ±.13
  - [0.00] = ±.013

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