FEATURES AND BENEFITS

- Jaws machined from S7 tool steel to prevent jaw breakage.
- 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: 0.16 in [4 mm]
Gripping Force @ 80 PSI [5.5 bar]:
Closing: 15 lbs [66 N]
Opening: 16 lbs [71 N]
Time:
Close: 0.15 sec [0.15 sec]
Open: 0.15 sec [0.15 sec]
Pressure Range: 20-120 PSI [1.3-8 bar]
Temperature Range: -20˚-180˚F [-28˚-80˚C]

Side Play: ± 0.001 [0.03 mm]
Repeatability from center: ±.002 [0.06 mm]

Loading Capacities:
Max Tensile T: 50 lbs [222 N]
Max Compressive C: 75 lbs [333 N]
Max Moment Mx: 30 in/lb [3.4 Nm]
Max Moment My: 30 in/lb [3.4 Nm]
Max Moment Mz: 30 in/lb [3.4 Nm]

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

Weight: 3 oz. [85 g]
Piston Diameter: 0.75 in [19 mm]

January 2009 - PATENTED Made in the USA

HOLDING FORCES CHART

LOADING INFORMATION

HOW TO ORDER

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

SENSOR TYPE*
1 = NPN
2 = PNP

SENSOR OPTIONS
1 = CLOSED
2 = OPEN
3 = BOTH

SENSOR CONNECTOR
1 = POTTED
2 = QUICK DISCONNECT
3 = QUICK DISCONNECT WITH RIGHT ANGLE

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

Sensor Part # SNC04, SNQ04, SPC04, SPQ04