

GR1400 Series 180° Radial Gripper

Cylinders
(Actuators)

GR1400 – 180° Radial Gripper

The **GR1400** has a double acting piston attached to a cross bar by a connecting rod. The linear movement of the piston is transformed into radial movement of the jaws through a double toggle link mechanism.

A. Body

Hardcoat anodized, T- Slot Sensing track for direct mount of the Numatics Global Switch. Side and top mounting standard. Dowel holes for locating.

B. Jaws

Keyway slot for tooling location, 180° Jaw motion.

C. Pivot Pins

Hardened steel, needle bearings reduce friction, reduce wear.

D. Center Toggle

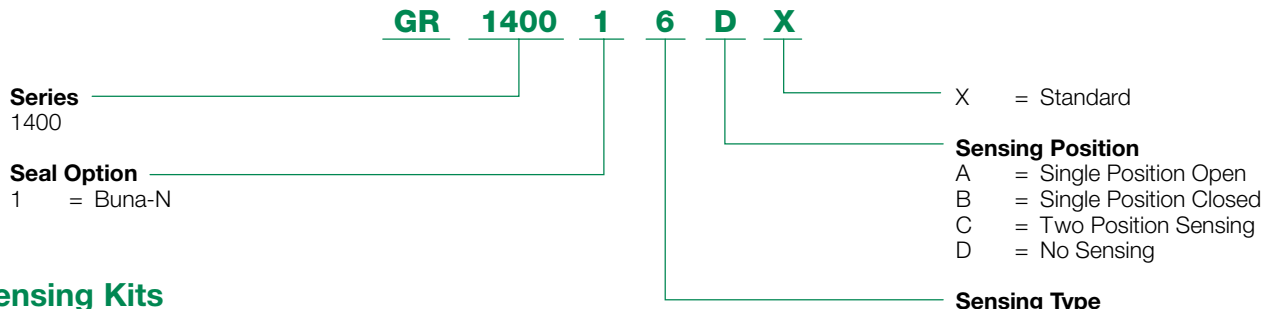
Aluminum bronze guided in body for repeatability to center. Bumper for cushion at full open and noise reduction.



Specifications

Grip Force Close 80 PSI	Grip Force Open 80 PSI	Side Play	Weight	Maximum Operating Pressure
720 lbs.	317 lbs.	±0.001	5.62 lbs.	120 psi

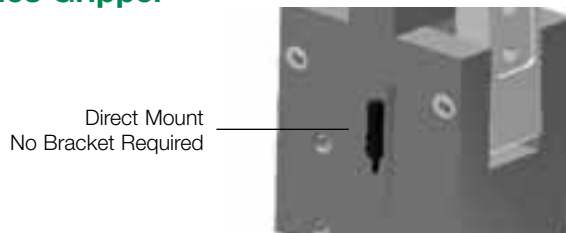
How To Order



Sensing Kits

Switch Description	Standard Cord Set Part No.	Quick Disconnect Part No.
Hall Effect - PNP Sourcing	PNP-FL2-00-U	PNP-QDS-M8-U
Hall Effect - NPN Sinking	NPN-FL2-00-U	NPN-QDS-M8-U
Reed Switch	REED-FL2-00	REED-QDS-M8U
90° 5 Meter Cable	N/A	PXC90
Straight 5 Meter Cable	N/A	PXCST

GR1400 Series Gripper



Sensor Description	Standard Cord Set	Quick Disconnect
Reed Switch	REED-FL2-00	REED-QDS-M8U
Hall PNP	PNP-FL2-00-U	PNP-QDS-M8-U
Hall NPN	NPN-FL2-00-U	NPN-QDS-M8-U

See online PDF for sensor specifications.