

Pneumatic Grippers




www.parker.com/pneu/pgrippers



With more than 100 types available in more than 1,000 configurations, Parker's complete line of pneumatic grippers can solve any application. Parker offers products designed to handle the lightest loads in cleanroom environments, in addition to products capable of producing grip forces up to 12.5 kN (3,000 lbf) in high-speed and high-load situations.

- Three gripper styles
- High grip force-to-weight ratio keeps other system components smaller

- Hardened steel jaws for rigid mounting
- Precision bearings and hard anodized wear parts ensure long cycle life
- Cleanroom-certified products with purge ports
- Spring assist and spring return options make grippers fail-safe under power failure
- Dust cover and wiper assemblies for harsh environment
- Connectivity to Parker mechanical tables and actuators

	Parallel Type	Three-Jaw Type	Angular Type
			
Maximum stroke range mm (in)	4 to 150 (0.2 to 6.0)	8 to 35 (0.3 to 1.4)	—
Angular rotation (degrees)	—	—	12°, 30°, 180°
Total grip force range N (lbf) at 7 bar (100 PSI)	28 to 8,088 (6 to 694)	356 to 12,460 (80 to 2,800)	5 to 2,318 (2 to 521)
Pressure range bar (PSI)	0.3 to 7 (5 to 100)	1.5 to 7 (20 to 100)	0.3 to 7 (5 to 100)
Cleanroom capability	Optional	Standard	Optional
Sensors (proximity, reed, Hall effect)			
Non-synchronous motion	Optional	Not available	Not available
Filtration requirement		40 micron (dry air)	

Vacuum Cups

www.parker.com/pneu/vaccup



- Flat and bellows styles
- Sizes up to 200 mm diameter
- Wide variety of cup material and mounting styles

Integrated Vacuum Generators

www.parker.com/pneu/vacgen



- Integrated solenoids and sensors reduce cycle time
- Emergency stop systems
- High vacuum flows

Pressure Sensors

www.parker.com/pneu/sensors



- Vacuum to 8,820 PSI range
- Up to IP67 rating
- PNP/NPN open collector transistor outputs
- 4 to 20 mA, 1-5VDC analog outputs

