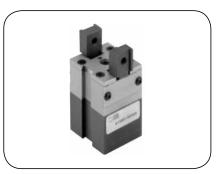
INDUSTRIAL PNEUMATICS - actuators

Grippers



Grippers with 2 parallel jaws - P1 series

- Gripper type: two-jaw, with jaws in parallel arrangement
- Construction: double-acting, with magnetic position sensors (on request)
- Piston diameter: 16 20 32 mm
- Seals: NBR



Grippers with parallel jaws - P2 series

- Gripper type: two-jaw, with jaws in parallel arrangement
- Construction: double-acting, with magnetic position sensors (except for the smallest size), for internal and external gripping
- Piston diameter: 6 10 16 20 25 mm
- Maximum operating frequency: 2 cycle/sec
- Single jaw stroke: 2 ÷ 7 mm (depends on size)



Grippers with parallel jaws - P3 series

- Gripper type: two-jaw, with jaws in parallel arrangement
- Construction: double-acting, with structural reinforcement, for internal and external gripping, with jaws position control
- Piston diameter: 50 64 80 100 125 mm
- Gripping force (per jaw at 6 bar): 50 ÷ 750 N (depends on size)
- Repeatability: 0.01 ÷ 0.02 mm (depends on size)
- Operation of 1 500 000 cycles without any maintenance is guaranteed
- Max. jaw length: 50 ÷ 125 mm (depends on size)
- Special versions: on request



Grippers with parallel jaws - P4 series

- Gripper type: two-jaw, with jaws in parallel arrangement, with long stroke
- Construction: double-acting, for gripping bulky objects, for internal and external gripping, with jaws position control (except for the smallest size) - Piston diameter: 10 - 12 - 16 - 25 - 30 mm
- Single jaw stroke: 5 ÷ 60 mm (depends on version)
- Maximum operation frequency: 1 cycle/sec



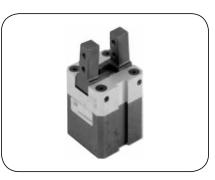
Grippers with parallel jaws - P5 series TECNO

- Gripper type: two-jaw, with jaws in parallel arrangement, with long stroke
- Construction: double-acting, for gripping bulky objects, for internal and external gripping, with jaws position control, made of polymer materials, for operations with TECNO series actuators
- Operation of 1 500 000 cycles without any maintenance is guaranteed
- Single jaw stroke: 5 mm
- Repeatability: 0.05 mm
- Weight: 0.15 kg



INDUSTRIAL PNEUMATICS - actuators

Grippers



Grippers with angular jaws - P6 series

- Gripper type: two-jaw, with jaws in angular arrangement
- Construction: double-acting, with magnetic position sensors (on request), for internal and external gripping
- Piston diameter: 16 20 32 mm
- Seals: NBR
- Gripping force (per jaw at 6 bar): 15 ÷ 70 N (depends on the size)
- Jaw opening angle: 30°, 160°
- Service life: over 10 million cycles



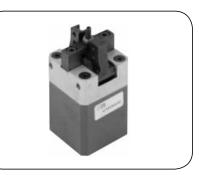
Grippers with angular jaws - P7 series

- Gripper type: two-jaw, with jaws in angular arrangement
- Construction: double-acting, with magnetic position sensors, and a slot to fit the position sensors in
- Piston diameter: 16 20 32 50 mm
- Gripping force (per jaw at 6 bar): 30 ÷ 225 N (depends on size)
- Jaw opening angle: 30°
- Seals: NBR, polyurethane



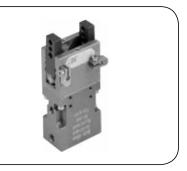
Grippers with angular jaws - P8 series

- Gripper type: two-jaw, with jaws in angular arrangement
- Construction: single-acting, normally open, with magnetic position sensors, corrosion resistant, made of diamagnetic material
- Piston diameter: 32 40 50 mm
- Gripping force (per jaw at 6 bar): 25 ÷ 80 N (depends on the size)
- Jaw opening angle: 8°
- Service life: over 2 million cycles



Grippers with angular jaws - P9 series

- Gripper type: two-jaw, with jaws in angular arrangement
- Construction: double-acting, with magnetic position sensors (on request), for internal and external gripping
- Piston diameter: 16 20 32 mm
- Seals: NBR
- Gripping force (per jaw at 6 bar): 15 \div 70 N (depends on size)
- Jaw opening angle: max. 160°, opening angle can be adjusted
- Service life: over 10 million cycles



Grippers with angular jaws - P10 series

- Gripper type: two-jaw, with jaws in angular arrangement
- Construction: with magnetic position sensors, for external gripping
- Piston diameter: 34 44 54 80 mm
- Gripping force (per jaw at 6 bar): 32 ÷ 275 N (depends on size)
- Jaw opening angle: 20° ÷ 180°, opening angle can be adjusted with 1° accuracy (for each jaw)
- Service life: over 2 million cycles without any maintenance
- Repeatability: 0.1 mm



INDUSTRIAL PNEUMATICS - actuators

Grippers



Grippers with parallel jaws - P11 series

- Gripper type: three-jaw, with jaws in parallel arrangement
- Gripper type: tiree-jaw, with jaws in parallel arrangement
 Construction: double-acting, with magnetic position sensors, for internal and external gripping, version with four self-centering jaws available on request
 Piston diameter: 16 20 25 40 60 80 mm

- Closing force (per jaw at 6 bar): 58 ÷ 1500 N (depends on size)
 Opening force (per jaw at 6 bar): 65 ÷ 1700 N (depends on size)
- Max. operation frequency: 1.5 to 1.2 cycle/sec. (depends on size)



Gripper with parallel jaws - P12 series

- Gripper type: three-jaw, with jaws in parallel arrangement
- Construction: double-acting, with magnetic position sensors, for internal and external gripping, with self-centering jaws, of excellent accuracy
- Piston diameter: 50 64 80 100 125 mm
- Single jaw stroke: 4 ÷ 10 mm (depending on size)
 Gripping force (per jaw at 6 bar): 85 ÷ 1930 N (depends on size)
 Service life: over 1 500 000 cycles without any maintenance
 Repeatability: 0.01 ÷ 0.05 mm (depends on size)

