**Description:** Light weight low gripping pressure pneumatic vice grips. Ideally suited for use with low force capacity loadcells. Unique line contact jaw solution delivers maximum gripping pressure while minimizing premature grip breaks.

**Use On:** Benchtop materials testing machines

**Applications:** Fiber, Lycra, yarn, wool, hair

**Specifications:**
- Max. Capacity: 150 N/33 lbf
- Min Loadcell: 50 N/10 lbf
- Max Specimen Width: typical fibers
- Length Each: 100 mm/4 in
- Weight Each: 19 g/0.04 lb
- Temperature Limits: Ambient
- Operating Air Supply*: 80 to 100 psi/
  5.5 to 7 bar

**Options:**
- HT400 series of pneumatic control consoles

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**Description:** Light duty pneumatic vice grip. Single pneumatically operated jaw closes to clamp specimen against fixed jaw. Fixed jaw location can be adjusted to accommodate differing thicknesses. Interchangeable jaw options available.

**Use On:** Benchtop materials testing machines

**Applications:** Rubber, plastics, films and paper; recommended as part of some textile test systems

**Specifications:**
- Max. Capacity: 500 N/100 lbf
- Min Loadcell: 50 N/10 lbf
- Max Specimen Width: 25 mm/1 in
- Max Specimen Thickness: 5 mm/0.2 in
- Gripping Length: 25 mm/1 in
- Length Each: 105 mm/4 in
- Weight Each: 700 g/1.5 lb
- Temperature Limits: Ambient
- Operating Air Supply*: 80 to 100 psi/
  5.5 to 7 bar

**Options:**
- HT400 series of pneumatic control consoles
  - Rubber faced jaws – 25 mm high and 25, 50, or 75 mm wide
  - Plain steel faced jaws – 25 mm high and 25, 50, or 75 mm wide
  - Fine serrated faced jaws – 25 mm high and 25, 50, or 75 mm wide
  - Line contact jaw sets – 75 mm wide

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**Description:** Pneumatic vice grip comprised of one fixed jaw and one pneumatically operated jaw. Ideally suited for gripping small flexible specimens when using contacting or non-contacting extensometers.

**Use On:** Benchtop materials testing machines

**Applications:** Flat flexible materials, textiles, paper, film, and polymers

**Specifications:**
- Max. Capacity: 1 kN/200 lbf
- Min Loadcell: 100 N/20 lbf
- Max Specimen Width: 25 mm/1 in
- Max Specimen Thickness: 3 mm/0.12 in
- Gripping Length: 10 mm/0.4 in
- Length Each: 105 mm/4 in
- Weight Each: 700 g/1.5 lb
- Temperature Limits: Ambient
- Operating Air Supply*: 80 to 100 psi/
  5.5 to 7 bar

**Options:**
- HT400 series of pneumatic control consoles
  - Rubber faced “Grab” jaw sets
  - Line contact jaw sets – 75 mm wide
Description: Pneumatic bollard “Horn” type grips. Bollard reduces stress concentration on test specimen to avoid a grip induced break.

Use On: Benchtop materials testing machines

Applications: Cords, filaments, fibers, fine wire, tire cord, hose reinforcement

Specifications:
- Max. Capacity 1.5 kN/300 lbf
- Min Loadcell 500 N/100 lbf
- Max Specimen Diameter 4 mm/0.16 in
- Length Each 150 mm/ 5.9 in
- Weight Each 1.4 kg/3.08 lb
- Temperature Limits Ambient
- Operating Air Supply* 80 to 100 psi/ 5.5 to 7 bar

Options:
HT400 series of pneumatic control consoles
Higher capacity models (3, 5, and 10 kN) and larger diameter bollards available.

Description: Dual action pneumatically operated jaws clamp specimen on center line and maintain position even when specimen reduces thickness during test. Interchangeable jaw options.

Use On: Benchtop materials testing machines

Applications: Flat flexible materials, textiles, paper, film, and polymers

Specifications:
- Max. Capacity 5 kN/1,000 lbf
- Min Loadcell 500 N/100 lbf
- Max Specimen Width 75 mm/3 in
- Max Specimen Thickness 10 mm/0.4 in
- Length Each 160 mm/6.3 in
- Weight Each 1.7 kg/3.75 lb
- Temperature Limits Ambient
- Operating Air Supply* 80 to 100 psi/ 5.5 to 7 bar

Options:
- HT400 series of pneumatic control consoles
- Rubber faced jaws – 25 mm high and 25, 50, 75, or 100 mm wide
- Plain steel faced jaws -25 mm high and 25, 50, 75, or 100 mm wide
- Fine serrated faced jaws - 25 mm high and 25, 50, 75, or 100 mm wide
- “Sandvic” faced jaws - 25 mm high and 25, 50, 75, or 100 mm wide
- Crosshatch faced jaws - 25 mm high and 25, 50, 75, or 100 mm wide
- Line contact jaw sets – 75 mm wide

Options:
- HT400 foot switch actuation
- HT401 foot switch actuation with integral air pressure display and adjustment
- HT402 built in toggle switch actuation
- HT403 built in toggle switch with integral air pressure display and adjustment

Note: HT400 units must be ordered with all pneumatic grips to meet standard international and industrial health and safety requirements.

Contact Your Local Representative:

High and low temperature options available for use in temperature chambers.
Specifications subject to change without notice.
*Clean, moisture free, constant air supply required for all grips.