

GRIPS

Pneumatic Tensile Grips



LIGHT WEIGHT VISE GRIP

Description:

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

Compatible with:

ST Series materials testing machines

Applications:

Fiber, Lycra, yarn, wool, hair

Specifications

- Maximum capacity: 100N/22.4lbf
- Minimum load cell: 5N/1.12lbf
- Maximum sample thickness: 10mm/0.4in
- Gripping length: Line contact
- Length each: 150mm/6in
- Weight each: 19gm/0.04lb
- Temperature limits: Ambient
- Operating air supply: 80-100psi/5.5-7bar

Specifications

- Maximum capacity: 500N/100lbf
- Minimum load cell: 50N/10lbf
- Maximum sample width: 25mm/1in
- Maximum sample thickness: 5mm/0.2in
- Gripping length: 25mm/1in
- Length each: 105mm/4in
- Weight each: 700g/1.5lb
- Temperature limits: Ambient
- Operating air supply: 80-100psi/5.5-7bar

LIGHT DUTY PNEUMATIC GRIP

Description:

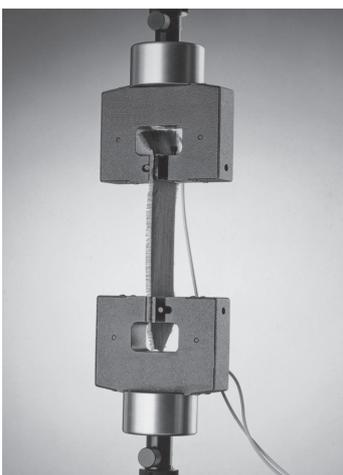
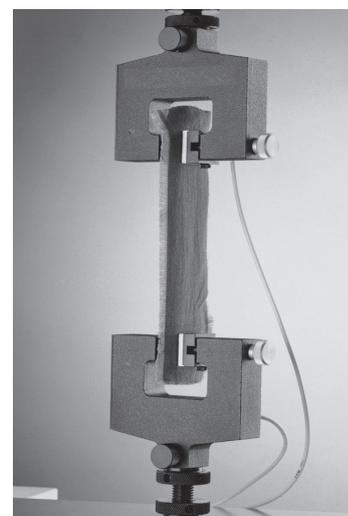
Light duty pneumatic grip, supplied with dual action foot switch to leave both hands free.

Compatible with:

ST Series materials testing machines.

Applications:

Paper, plastic film, woven and non-woven textiles.



HEAVY DUTY PNEUMATIC GRIP

Description:

Heavy duty pneumatic grip are dual action pneumatically operated jaws clamp specimen on center line and maintain position even when specimen reduces thickness during test. Interchangeable jaw options.

Compatible with:

ST Series materials testing machines.

Applications:

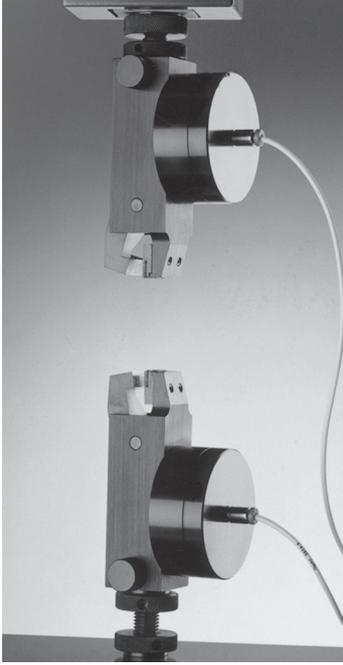
Flat flexible materials, textiles, paper, film and polymers.

Specifications

- Maximum capacity: 5kN/1,000lbf
- Minimum load cell: 500N/100lbf
- Maximum sample width: 75mm/3in
- Maximum sample thickness: 10mm/0.4in
- Length each: 160mm/6.3in
- Weight each: 1.7kg /3.75lb
- Temperature limits: Ambient
- Operating air supply: 80-100psi/5.5-7bar

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PNEUMATIC GRIP

Description:

Pneumatic grip supplied with dual action foot switch. 25 x 10mm (1 x 0.4in) rubber faced jaws are supplied as standard. Serrated jaws are available.

Compatible with:

ST Series materials testing machines.

Applications:

Flexible sheet materials, paper, film and polymers.

Specifications

- Maximum capacity: 1kN/200lb
- Minimum load cell: 100N/20lb
- Maximum sample width: 25mm/1in
- Maximum sample thickness: 3mm/0.12in
- Gripping length: 10mm/0.4in
- Length each: 105mm/4in
- Weight each: 700g/1.5lb
- Temperature limits: Ambient
- Operating air supply: 80-100psi/5.5-7bar

Specifications

- Maximum capacity: 1.5kN/300lb
- Minimum load cell: 500N/100lb
- Maximum sample diameter: 4mm/0.16in
- Length Each: 150mm/5.9in
- Weight each: 1.4kg/3.08lb
- Temperature limits: Ambient
- Operating Air Supply*: 80-100psi/5.5-7bar

PNEUMATIC BOLLARD
"HORN" TYPE GRIP**Description:**

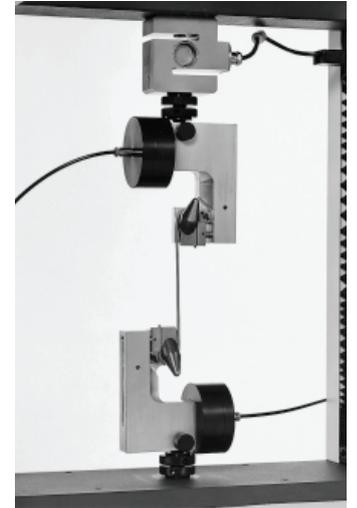
Pneumatic bollard "Horn" type grips. Bollard reduces stress concentration on test specimen to avoid a grip induced break.

Compatible with:

ST Series materials testing machines.

Applications:

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



AIR DISTRIBUTION CONTROLLER

Description:

Air distribution controller. Features low pressure independent upper and lower grip open/close switches to allow specimen clamping, and a high pressure grip closure switch that requires two-handed operation to ensure operator safety.

Compatible with:

ST Series materials testing machines.

Applications:

Sheet materials, paper, plastic films and waxed paper.