



10 N MTS Advantage™ Pneumatic Grips

Ideal for thin strips, wires and films with low breaking strength

Features

NO SIDE LOADS

- » Through design and machining to precise tolerances, side loads are eliminated

ELIMINATES GUESSWORK

- » These grips are self aligning even while actuated
- » Previous adjustments are not lost when small changes in alignment are required

CONSTANT CLAMPING FORCE

- » A constant clamping force protects your specimens from damage during your tests

SWIVEL FACES

- » These grips can accommodate varying specimen widths

CONVENIENCE

- » Pneumatic grips that offer you enough room to manipulate your specimens

The MTS 10 N (2 lbf) Pneumatic Grips are designed for low-force tensile applications and work particularly well on thin specimens with low breaking strengths like the gold wire in electronics, tungsten wire, thermocouples, gels and plastic films.

Features include minimal side load, self alignment and lightweight design. The lightweight design lets you perform tests with your low-force load cell without worrying about the grip weight taking up too much of your load cell's capacity. And, self alignment, even when the grips are fully actuated, saves you time and effort.

These grips feature faces that are both dual acting and can swivel. With dual action, both faces move simultaneously to the centerline of the grip and eliminate the bending strains on your specimen that can invalidate your test results. The ability to swivel lets these faces conform to any variations in your specimen's geometry.

These pneumatic grips require an air grip controller and an air grip supply to provide dry, filtered air. They are designed to operate in temperatures of -40°C to 200°C (-40°F to 400°F).

be certain.

Also Required

PNEUMATIC CONTROL

- » Both models require an air grip supply to provide dry, filtered air and an air grip controller for operation. This control features a foot operated switch which lets you control the grips and keep both hands free for specimen alignment.

ADAPTERS

- » The upper grip requires a Type B (1/2 in) adapter and the bottom grip requires a Type D (1-1/4 in) adapter.

Options

GRIP FACES WITH A VARIETY OF SURFACE COATINGS

- » Choose the face surface that works best on the type of material you're testing. All of these faces are manufactured in sets of four and must be purchased that way.

SERRATED

- » Does an excellent job of gripping soft materials like plastics without causing failure.

RUBBER COATED

- » When you want extra protection for fragile specimens like fibers, thin films and sheets.

LINE CONTACTS

- » Line contacts are also available for these low capacity grips.



Specifications

Capacity	Air Pressure	Dimensions	Clamping Force	Upper Grip Weight	Maximum Specimen Thickness	Part Number
10 N (2 lbs)	5.5 bar (80 psi)	72 mm (2.8 in) W x 147 mm (5.8 in) H	31 N (7 lbf)	270 grams (0.6 lbs)	5 mm (0.2 in)	100-032-017

Faces for 2 lb. Grips

Wedge Surface	Height	Dimensions Length	Part Number
Smooth	8 mm (.315 in)	15 mm (.59 in)	056-163-701
Serrated	8 mm (.315 in)	15 mm (.59 in)	056-163-702
Rubber	8 mm (.315 in)	15 mm (.59 in)	056-163-703



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ISO 9001 Certified QMS

Specifications subject to change without notice.

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