

GRIPS



Roller Style Tensile Clamps

LIGHT DUTY STIRRUP GRIP

Description:

Light duty stirrup grip. Specimen is clamped by wrapping between plain self-tightening bollard and backing



plate to eliminate stress concentration.

Compatible with:

Benchtop materials testing machines.

Applications:

Thin flexible materials such as latex, vulcanised rubber, plastic film and paper.

Specifications

- Maximum capacity: 1kN/220lbf
- Minimum load cell: 25N/5lbf
- Maximum specimen width: 50mm/2in
- Maximum sample thickness: 3mm/0.12in
- Length each: 80mm/3.15in
- Weight each: 0.42kg/0.9lb
- Temperature limits: -70-150°C

Specifications

- Maximum capacity: 2kN/440lbf
- Minimum load cell: 50N/10lbf
- Maximum specimen width: 50mm/2in
- Maximum sample thickness: 4mm/0.16in
- Length each: 66mm/2.6in
- Weight each: 0.65kg/1.4lb
- Temperature limits: -70-150°C

SELF-TIGHTENING KNURLED ROLLER GRIPS

Description:

Self-tightening knurled roller grips. Versatile and quick loading, suitable for flat dumbbells. The eccentric diamond knurled roller and back plate provide efficient gripping on the smoothest specimen surface.

Compatible with:

Benchtop materials testing machines.

Applications:

Sheet materials, rubber and polymers.



MEDIUM DUTY SELF-TIGHTENING KNURLED ROLLER GRIP

Description:

Medium duty self-tightening knurled roller grips. Versatile and quick loading, suitable for flat dumbbells. The eccentric diamond knurled roller and back

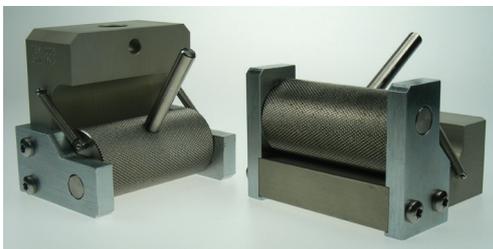
plate provide efficient gripping on the smoothest specimen surface.

Compatible with:

Benchtop materials testing machines.

Applications:

Sheet materials, rubber and polymers.

**Specifications**

- Maximum capacity: 5kN/1,000lbf
- Minimum load cell: 100N/20lbf
- Maximum specimen width: 75mm/3in
- Maximum sample thickness: 7mm/0.28in
- Length each: 74.5mm/2.9in
- Weight each: 1.45kg/3.2lb
- Temperature limits: -70-150°C

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Roller Style Tensile Clamps

BOLLARD/HORN TYPE GRIPS

Description:

Bollard/horn type grips designed for testing cords, fine wire, filaments

etc. The bollard reduces stress concentration on the test specimen to avoid a grip-induced break.

**Compatible with:**

Benchtop materials testing machines.

Applications:

Filaments, threads, cords, fibres, fine wire, tyre cord.

Specifications

- Maximum capacity: 1kN/220lbf
- Minimum load cell: 25N/5lbf
- Maximum sample thickness: 3mm/0.1in
- Length each: 76mm/3in
- Weight each: 0.33kg /0.73lb
- Temperature limits: -10-50°C

Specifications

- Maximum capacity: 1kN/220lbf
- Minimum load cell: 20N/4lbf
- Maximum sample width: 12mm/0.5in
- Maximum sample thickness: 3mm/0.1in
- Length each: 70mm/2.75in
- Weight each: 200g/0.4lb
- Temperature limits: -30-70°C

SELF-TIGHTENING MINIATURE KNURLED ROLLER GRIPS

Description:

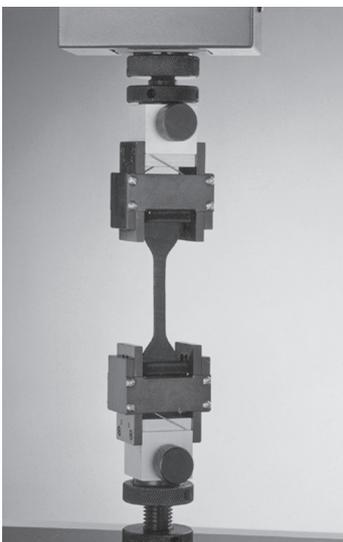
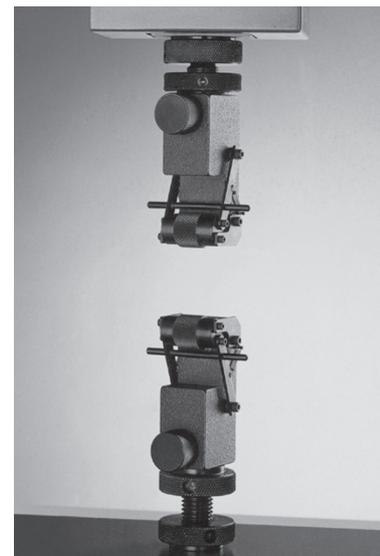
Self-tightening miniature knurled roller grips. Versatile and quick loading, suitable for flat dumbbell shaped specimens. The pivot position of the eccentric roller is set to give maximum gripping efficiency.

Compatible with:

Benchtop materials testing machines.

Applications:

Sheet materials, rubber and polymers.



SELF-TIGHTENING KNURLED ROLLER GRIPS

Description:

Self-tightening knurled roller grip that uses two rollers to hold the specimen. The grip is particularly efficient when used for testing flexible dumbbell specimens. The centre line of the specimen remains constant in relation to the test machine, irrespective of thickness.

Compatible with:

Benchtop materials testing machines.

Applications:

Suitable for thin flexible materials such as latex, vulcanized rubber, plastic film and paper.

Specifications

- Maximum capacity: 2kN/400lbf
- Minimum load cell: 25N/5lbf
- Maximum specimen width: 25mm/1in
- Maximum specimen thickness: 6mm/0.2in
- Length each: 70mm/2.75in
- Weight each: 250g/0.5lb
- Temperature limits: -30-70°C