

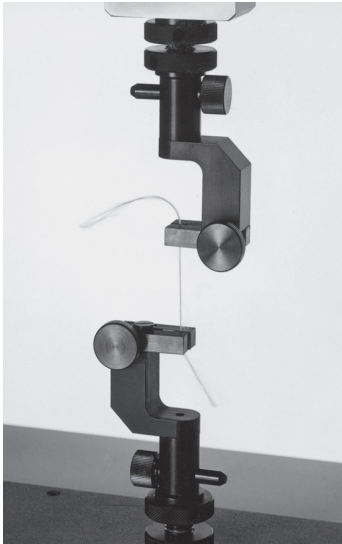


GRIPS

Bollard Style Tensile Grips

GRBTO0EN03

Tinius Olsen



ELASTIC FILAMENT GRIP, 1.5kN

Description:

Fitted with rubber faced jaws and spring loaded to retain the specimen prior to applying the final gripping pressure via a knurled thumb wheel.

Compatible with:

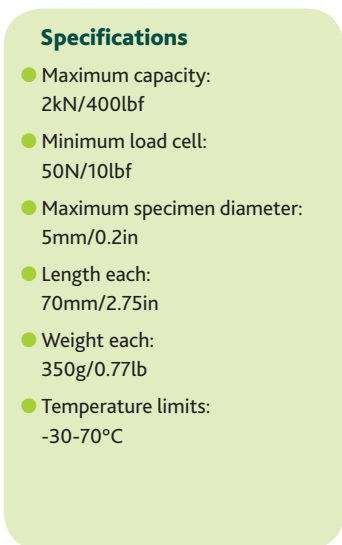
ST Series materials testing machines.

Applications:

Elastic and nylon filaments, threads, yarns.

Specifications

- Maximum capacity: 1.5kN/300lbf
- Minimum load cell: 50N/10lbf
- Maximum specimen width: 5mm/0.2in
- Maximum specimen thickness: 2.5mm/0.1in
- Length each: 80mm/3.15in
- Weight each: 170g/0.37lb
- Temperature limits: -30-70°C



SINGLE BOLLARD GRIP, 2kN

Description:

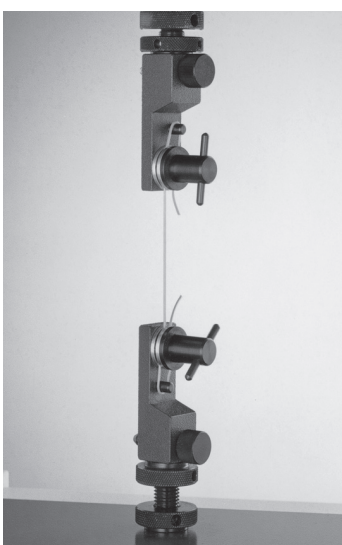
Single bollard grip. The free end of the test specimen is held in a vise clamp. The specimen is then wrapped around a single friction bollard, which reduces the concentration of stress at the clamping point and prevents premature breakage.

Compatible with:

ST Series materials testing machines.

Applications:

Yarn, threads, wool, cables, fishing line.



SOFT WIRE GRIP, 2kN

Description:

The clamping force on the wire is exerted between two aluminium discs.

Compatible with:

ST Series materials testing machines.

Applications:

Fine ductile wire.

Specifications

- Maximum capacity: 2kN/400lbf
- Minimum load cell: 20N/4lbf
- Maximum specimen diameter: 1.5mm/0.06in
- Length each: 80mm/3.14in
- Weight each: 140g/0.31lb
- Temperature limits: -30-70°C

GRIPS

Bollard Style Tensile Grips



SPLIT BOLLARD GRIP, 5kN

Description:

Single bollard self tightening grip. The specimen is wrapped around the split bollard and retained between two serrated faced jaws. The large circumference of the bollard reduces the concentration of stress within the specimen at the point of clamping thereby preventing breaks occurring between the jaw faces.

Compatible with:

ST Series materials testing machines.

Applications:

Light ropes, cords cables flexible tubing, flexible tape, fishing line.

Specifications

- Maximum capacity: 5kN/1,000lbf
- Minimum load cell: 100N/20lbf
- Maximum specimen width: 10mm/0.4in
- Length each: 130mm/5.1in
- Weight each: 1kg/2.2lb
- Temperature limits: -30-70°C

Specifications

- Maximum capacity: 30kN/6,700lbf
- Minimum width: 23mm/0.9in
- Maximum thickness: 7.6mm/0.3in
- Length each: 40mm/1.65in
- Weight each: 150g/0.33lb
- Temperature limits: -30-70°C

BOLLARD GRIP FOR BELTS, 30kN

Description:

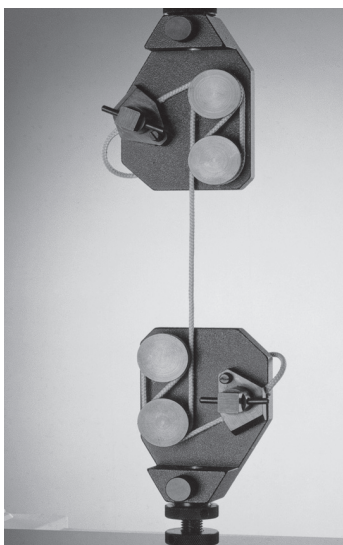
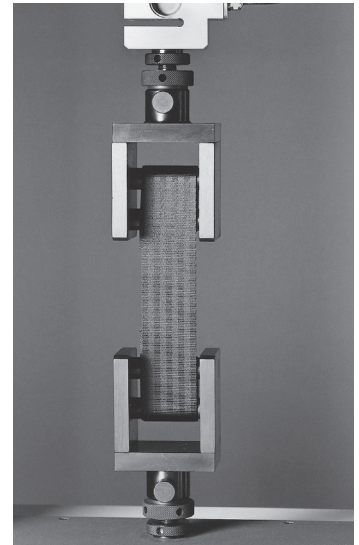
Designed for testing fabric, webbing, strapping and similar materials. The specimen is wrapped around the 2" (50 mm) diameter smooth spools with its end securely held between the serrated faces of the split spools.

Compatible with:

ST & SL Series materials testing machines.

Applications:

Fabric, webbing, strapping and other flexible flat materials.



DOUBLE BOLLARD GRIP, 20kN

Description:

Double bollard grip. A vice clamp holds the free end of the specimen, the specimen is then wrapped around two bollards in a figure 8 configuration. Friction on the bollards reduces the stress at the clamp point, preventing premature failure of the specimen.

Compatible with:

ST Series materials testing machines.

Applications:

Light rope, ductile wire and cord.

Specifications

- Maximum capacity: 20kN/4,500lbf
- Minimum load cell: 50N/10lbf
- Maximum specimen diameter: 6mm/0.23in
- Length each: 135mm/5.3in
- Weight each: 850g/1.87lb
- Temperature limits: -30-70°C