

## GRIPS

## Wedge Style Tensile Grips



## SELF-TIGHTENING, 10kN

**Description:**

Self-tightening wedge grips with spring-loaded wedges to provide the initial gripping and allow rapid loading of the sample. Gripping wedges are supplied with serrated jaw faces for gripping flat samples. Optional V profile wedges are available for gripping round sections.

**Compatible with:**

ST Series materials testing machines.

**Applications:**

Recommended for gripping relatively soft materials in parallel or dumbbell form. Typical materials include copper, semi-rigid plastics, film, board, wood etc. Ideally the overall sample length should be greater than 150mm (6in).

**Specifications**

- Maximum capacity: 10kN/2000lbf
- Minimum load cell: 250N/50lbf
- Gripping length: 50mm/2in
- Maximum sample width: 25mm/1in
- Maximum sample thickness: 8mm/0.3in
- Length each: 120mm/5in
- Weight each: 1.8kg/4lbf
- Temperature limits: -30-70°C

**V profile jaw face diameters**

- **HW10R8** 4-8mm/0.15-0.31mm
- **HW10R10** 6-10mm/0.23-0.4mm
- **HW10R15** 10-15mm/0.4-0.6mm

**Specifications**

- Maximum capacity: 25kN/5,000lbf
- Minimum load cell: 500N/100lbf
- Gripping length: 50mm/2in
- Maximum sample width: 30mm/1.2in
- Maximum sample thickness: 15mm/0.6in
- Length each: 210mm/8.3in
- Weight each: 6.3kg/14lbf
- Temperature limits: -40-100°C

**V profile jaw face diameters**

- **HW20R5** 3-5mm/0.12-0.2mm
- **HW20R8** 4-8mm/0.15-0.31mm
- **HW20R10** 5-10mm/0.2-0.4mm
- **HW20R15** 8-15mm/0.31-0.6mm

## SELF-TIGHTENING, 25kN

**Description:**

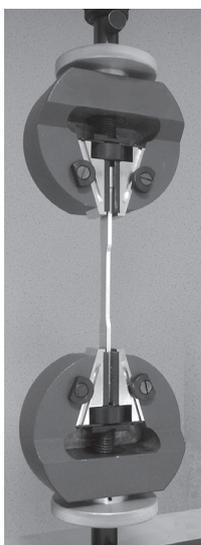
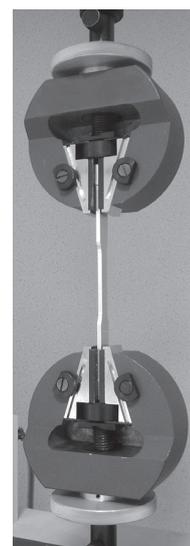
Self-tightening wedge grips. Wedges remain stationary when applying initial gripping force on the sample via the handwheel, so avoiding excessive compression of the sample prior to test. Grips are supplied with cross-hatched jaw faces for gripping flat samples. Optional V profile wedges are available for gripping round sections.

**Compatible with:**

ST Series materials testing machines.

**Applications:**

Suitable for gripping high strength rigid material in parallel or dumbbell form. Ideally the overall sample length should be greater than 150mm (6in).



## SELF-TIGHTENING, 50kN

**Description:**

Self-tightening wedge grips. Wedges remain stationary when applying initial gripping force on the sample via the handwheel, so avoiding excessive compression of the sample prior to test. Grips are supplied with cross-hatched jaw faces for gripping flat samples. Optional V profile wedges are available for gripping round sections.

**Compatible with:**

ST Series materials testing machines.

**Applications:**

Suitable for gripping high strength rigid material in parallel or dumbbell form. Ideally the overall sample length should be greater than 150mm (6in).

**Specifications**

- Maximum capacity: 50kN/10,000lbf
- Minimum load cell: 500N/100lbf
- Gripping length: 50mm/2in
- Maximum sample width: 30mm/1.2in
- Maximum sample thickness: 15mm/0.6in
- Length each: 210mm/8.3in
- Weight each: 6.3kg/14lbf
- Temperature limits: -40-100°C

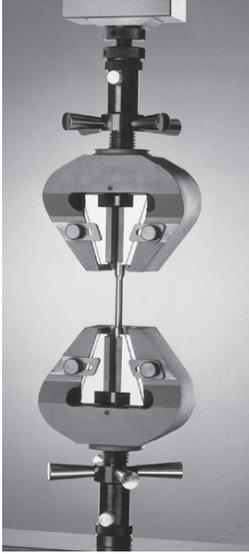
**V profile jaw face diameters**

- **HW20R5** 3-5mm/0.12-0.2mm
- **HW20R8** 4-8mm/0.15-0.31mm
- **HW20R10** 5-10mm/0.2-0.4mm
- **HW20R15** 8-15mm/0.31-0.6mm

## GRIPS



## Wedge Style Tensile Grips



## SELF-TIGHTENING, 100kN

**Description:**

Self-tightening wedge grips. Wedges remain stationary when applying initial gripping force on the sample via the capstan, so avoiding excessive compression of the sample prior to test. Grips are supplied with cross-hatched jaw faces for gripping flat samples. Optional V profile wedges are available for gripping round sections.

**Compatible with:**

ST Series materials testing machines.

**Applications:**

Suitable for gripping high strength rigid material in parallel or dumbbell form. Ideally the overall sample length should be greater than 200mm (8in).

**Specifications**

- Maximum capacity: 100kN/20,000lbf
- Minimum load cell: 5kN/1000lbf
- Gripping length: 75mm/3in
- Maximum sample width: 50mm/2in
- Maximum sample thickness: 12mm/0.5in
- Length each: 310mm/12.2in
- Weight each: 16kg/35lbf
- Temperature limits: -70-200°C

**V profile jaw face diameters**

- **HW14R8** 4-8mm/0.15-0.31mm
- **HW14R15** 5-15mm/0.2-0.6mm
- **HW14R20** 4-20mm/0.55-0.8mm

**Specifications**

- Maximum capacity: 10kN/2000lbf
- Minimum load cell: 500 N/100lbf
- Maximum sample width: 25mm/1in
- Maximum sample thickness: 3mm/0.1in
- Length each: 130mm/5.1in
- Weight each: 2.2kg/4.5lbf
- Temperature limits: -70-200°C

SELF-TIGHTENING  
BOLLARD WEDGE, 10kN**Description:**

Self-tightening bollard wedge grips. The combination of a wedge and bollard provides an efficient method of gripping low friction materials. A lever release allows rapid loading of the test sample.

**Compatible with:**

ST Series materials testing machines.

**Applications:**

Flexible low friction materials such as polypropylene strapping, PTFE tape, roofing felts etc. Ideally the overall sample length should be greater than 350mm (14in).

