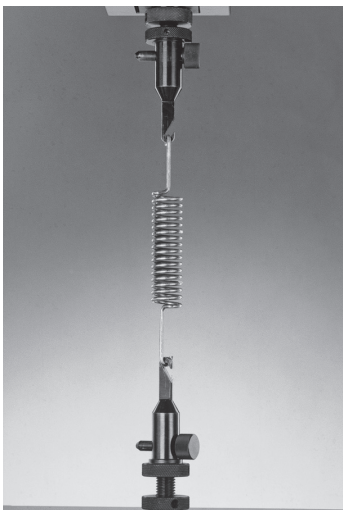


GRIPS

Low Force Tensile Grips



TENSION HOOKS, 2.5kN

Description:

Tension hooks for use in component testing, often used individually in conjunction with other gripping devices. Variations of the hook profile are available to suit the component under test as well as a self-aligning option.

Used on:

ST Series materials testing machines.

Applications:

Tension springs, zip components, canned drink ring pulls and medical components.

Specifications

- Maximum capacity: 2.5kN/500lbf
- Minimum load cell: 50N/10lbf
- Length each: 82mm/3.2in
- Weight each: 300g/0.66lb
- Temperature limits: -30-70°C

Note: Hook profile and required dimensions must be considered and included on order.

Specifications

- Maximum capacity: 10kN/2,000lbf
- Minimum load cell: 50N/1,000lbf
- Gripping length: See Note, right
- Maximum specimen width: See Note, right
- Maximum specimen thickness: 16mm/0.63in
- Length each: 110mm/4.3in
- Weight each: 800g/1.7lb
- Temperature limits: -30-70°C

DUMBBELL GRIP, 10kN

Description:

Dumbbell grip for holding thick rigid dumbbells. The curved shoulder of the dumbbell is located between two bollards. With no clamping necessary, specimens can be loaded very quickly.

Used on:

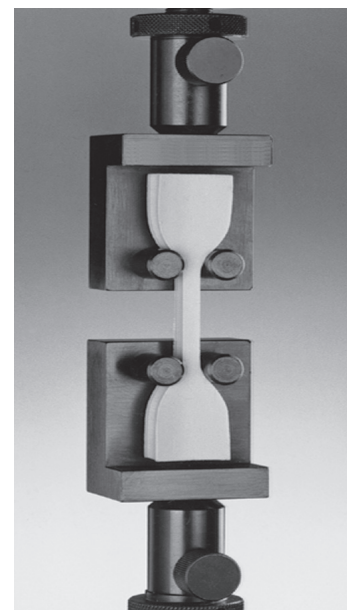
ST Series materials testing machines.

Applications:

Rigid polymer dumbbells typically cut from a section of gas and water pipe.

Note:

Dumbbell conforms to ASTM D638 type iv, BS2782 Part 3 Method 320A Fig 1., and DIN53455 No 4 Fig 3.



CEMENT BRIQUETTE CHUCKS, 10kN

Description:

Cement briquette chucks. A non-clamping chuck with an internal profile conforming to the British Standard for the cast cement test.

Used on:

ST Series materials testing machines.

Applications:

Cast cement and resin bonded sand briquettes.

Note:

Specimen conforms to BS6319 Part B.

Specifications

- Maximum capacity: 10kN/2,000lbf
- Minimum load cell: 100N/20lbf
- Maximum specimen width and thickness: See Note, left
- Length each: 90mm/3.5in
- Weight each: 1kg/2.2lb
- Temperature limits: -30-70°C

GRIPS

Low Force Tensile Grips



SPLIT COLLECT CHUCKS, 20kN

Description:

Hardened split collet chucks for holding turned dumbbell test pieces. Precise shoulder radius to prevent premature test piece breaking within the grip. Internal profile options must be considered and ordered to accommodate specific test specimen dimensions.

Used on:

ST Series materials testing machines.

Applications:

Metals, round and turned test specimens, particularly used where a limited amount of material is available to produce the test specimen, for example, from an alloy automobile wheel. Also widely used in education to demonstrate materials performance and behavior.

Specifications

- Maximum capacity: 20kN/4,000lbf
- Minimum load cell: 50N/10lbf
- Specimen profile type A-B: for 5mm diameter
- Specimen profile type C-D: for 7mm diameter
- Specimen profile type E-F: for 10mm diameter
- Length each: 40mm/1.6in
- Weight each: 150g/0.33lb
- Temperature limits: -30-70°C

Specifications

- Maximum capacity: 20kN/4,000lbf
- Minimum load cell: 50N/10lbf
- Serrated die diameter: 38mm/1.5in
- Bolt diameter: 7.9mm/0.31in
- Maximum specimen thickness: 6mm/0.23in
- Length each: 86mm/3.39in
- Weight each: 650g/1.43lb
- Temperature limits: -30-70°C

DUMBBELL GRIP, 20kN

Description:

Dumbbell grips designed for flat rigid dumbbells. The prepared testpiece, with an 8mm diameter hole drilled in each end, is located between two serrated dies. The dies are clamped on the testpiece with a high tensile bolt.

Used on:

ST Series materials testing machines.

Applications:

Sheet metal or plywood dumbbell test pieces.

