WEDGE GRIPS

Small Wedge Grip with Locking Function 10 kN

Spring-loaded 10 kN wedge grip with locking function for safe loading



OVERVIEW

A small spring-loaded wedge grip with a locking function that holds the jaws open for safe, easy specimen insertion and removal. Once released, springs close the jaws to apply a pre-clamping load, and the wedge action tightens them further as the test load increases. Versions with three or four springs give a higher pre-clamping load. Serrated, sawtooth and V-jaws suit plastics, metals and round specimens.

KEY FEATURES

- Locking function holds jaws open for safe loading
- Springs apply a defined pre-clamping load on release
- Three- or four-spring versions for higher preload
- Wedge action tightens the jaws further as load increases
- Serrated, sawtooth and V-jaws for flat and round specimens
- Compact 2.23 kg per grip including jaws

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Tensile
Jaw opening	0 – 16 mm flat; Ø 2 – 10 mm round
Clamping surface	40 × 34 mm or 40 × 50 mm
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin; others via adapter
Body material	Steel, nickel-plated
Temperature range	0 to +70 °C (other ranges on request)
Weight	2.23 kg per grip incl. jaws
Scope of supply	1 pair of grips

AVAILABLE VERSIONS

2-spring standard	Standard pre-clamping load
3- or 4-spring version	Higher pre-clamping load
Pyramid jaws 40 x 34 mm	Openings 0–10 or 6–16 mm
Pyramid jaws 40 x 50 mm	Openings 0–10 or 6–16 mm
Sawtooth jaws 40 x 34 mm	1.25 mm pitch, 0–10 mm
V-jaws	Round Ø 2–10 mm

APPLICATIONS

- Plastic tensile specimens
- Thin metal strips
- Wires and small rods
- High-throughput routine testing

Ordering & customization: Specify spring version, jaw type and coupling; note that serrated pyramid jaws are not intended for steel specimens.

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-WG-160

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DIMENSIONAL DRAWINGS

FIG. 1

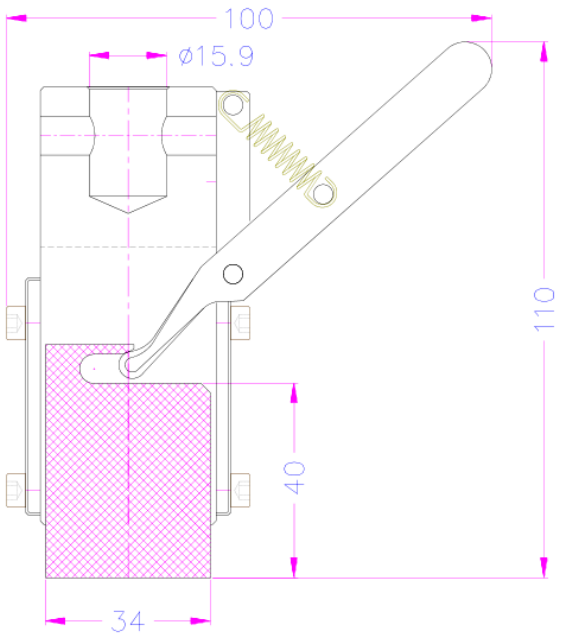
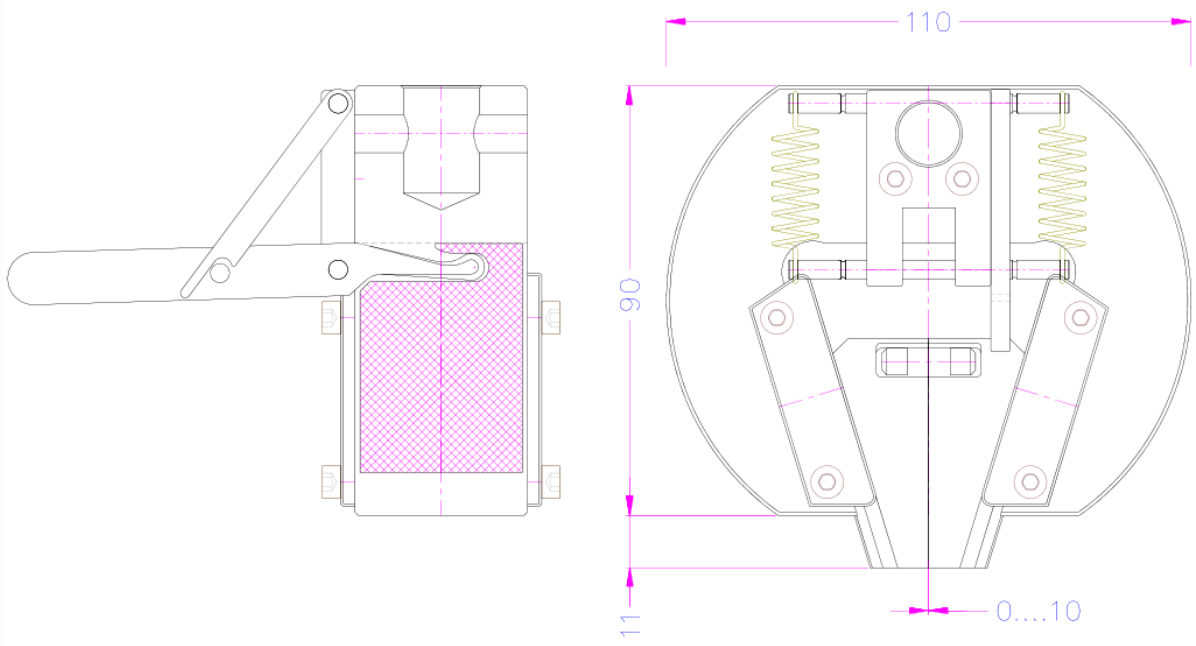


FIG. 2



Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.