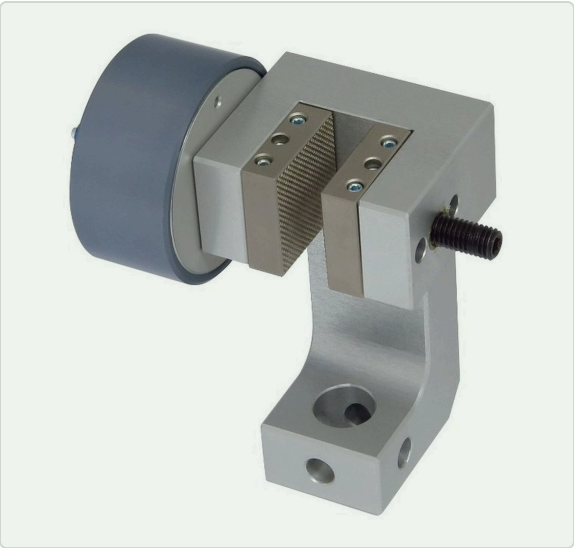
PNEUMATIC GRIPS

Small Universal Pneumatic Grip 1.2 kN

Compact pneumatic grip with Ø 50 mm piston for foils, textiles and paper



OVERVIEW

A compact pneumatic grip for low-force tensile tests on thin, flexible materials. A Ø 50 mm pneumatic piston closes the moving jaw against a manually adjustable counter jaw, giving 1.2 kN clamping force at 7 bar with fast, repeatable specimen loading. Interchangeable solid and quick-change insert jaws cover flat, round and textile specimens.

KEY FEATURES

- Pneumatic piston Ø 50 mm, 1.2 kN clamping force at 7 bar
- Manually adjustable counter jaw for consistent specimen alignment
- Versions with one or two pneumatic rods
- Lightweight anodized aluminum body keeps mass on the load cell low
- Wide range of solid and quick-change insert jaws
- Optional foot pedals, hand switches and pressure regulator

TECHNICAL SPECIFICATIONS

Clamping force	1.2 kN at 7 bar
Test type	Tension
Jaw opening	0–10 mm, depending on jaws
Jaw face size	30 × 30 mm or 25 × 25 mm; insert jaws 30 × 30 mm
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin; others on request
Pneumatic connection	M5 internal thread
Body material	Anodized aluminum
Temperature range	0 to +70 °C; other ranges on request
Weight	1.02 kg (1 rod) or 1.42 kg (2 rods) per grip, without jaws

AVAILABLE VERSIONS

1 pneumatic rod	Pneumatic grip, 1 pair without jaws
2 pneumatic rods	Pneumatic grip, 1 pair without jaws
Vise action, 1 rod	Vise-action pneumatic grip, 1 pair without jaws
Vise action, 2 rods	Vise-action pneumatic grip, 1 pair without jaws
Solid jaws	Smooth, rubber, pyramid, V, wave, diamond and line contact faces
Insert jaws	Quick-change 30 × 30 mm faces, require carrier set

APPLICATIONS

- Plastic films and foils
- Textiles and nonwovens
- Paper and thin board
- Fine wires and thin rods

Ordering & customization: Specify number of pneumatic rods, coupling size and jaw type and size (solid or insert jaws with carriers). Add foot pedals, hand switches or a pressure regulator if required.

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-PG-120

Small Universal Pneumatic Grip 1.2 kN

DIMENSIONAL DRAWINGS

FIG. 1

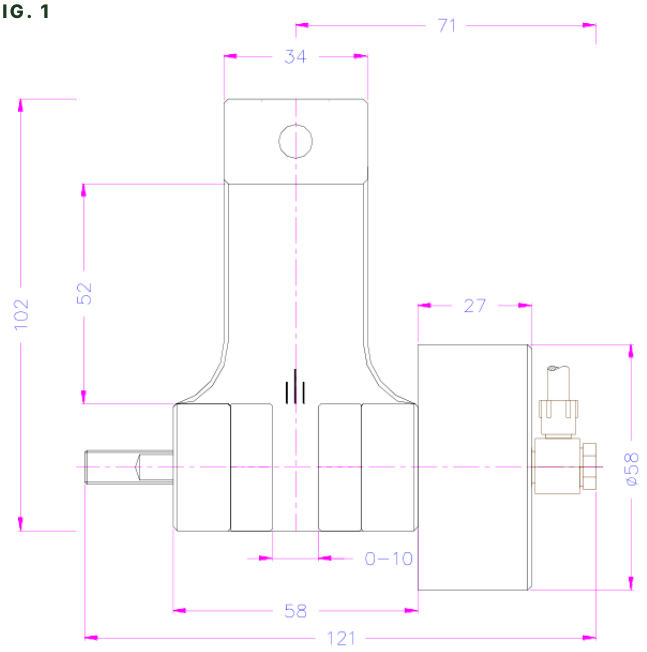


FIG. 2

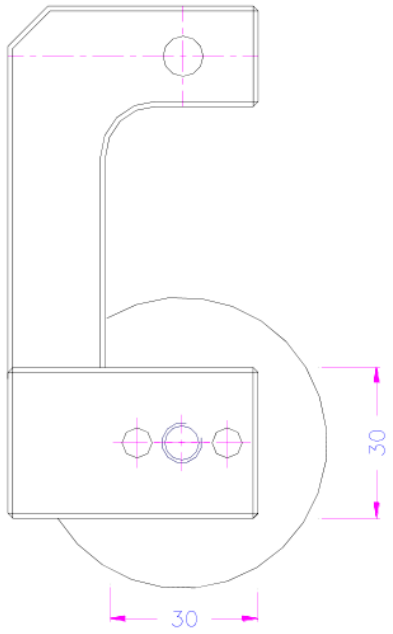


FIG. 3

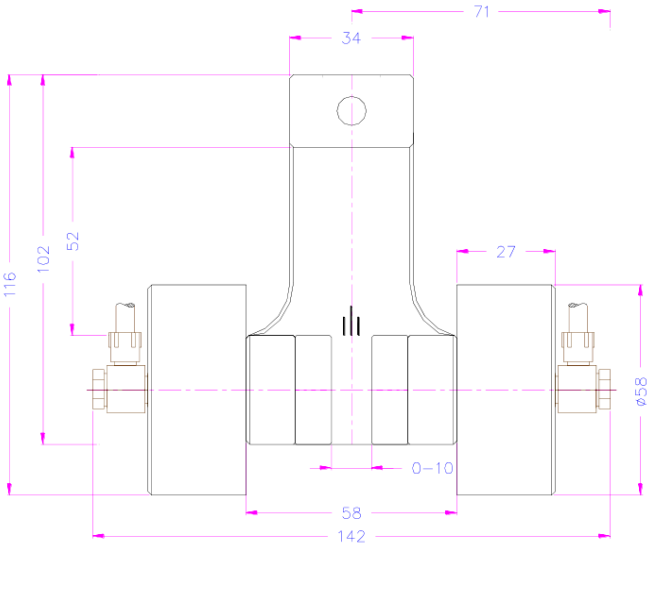
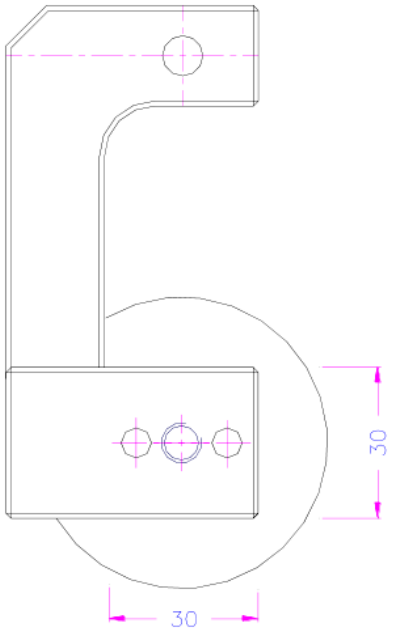


FIG. 4



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.