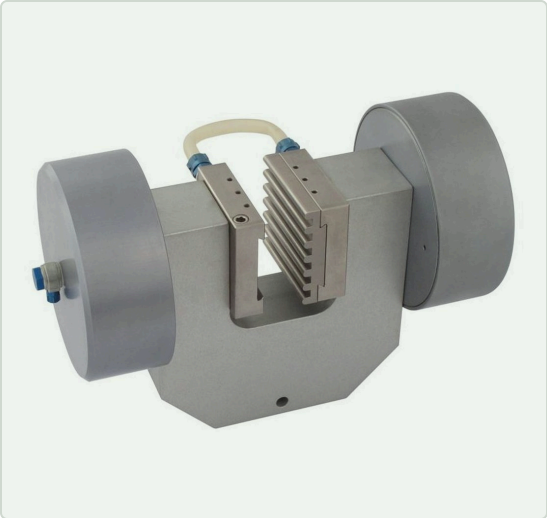
PNEUMATIC GRIPS

Symmetric Pneumatic Grip for Bitumen Sheet

Two-rod pneumatic grip with water-cooled jaw carriers for bitumen sheeting



OVERVIEW

A two-rod pneumatic grip for tensile testing of bitumen sheeting and roofing felt to ASTM D4073 and ASTM D5147. Insert jaw carriers have ports for a water cooling circuit, so chilled jaws hold soft bituminous specimens without slipping. Clamping force is 7 kN at 7 bar, rising to 16 kN at 16 bar.

KEY FEATURES

- Two pneumatic rods, 7 kN at 7 bar, 16 kN at 16 bar
- Jaw carriers with two water cooling ports
- Special wave insert jaws for bitumen specimens
- Quick-change 65 × 70 mm insert jaw faces
- Anodized aluminum body for low weight and corrosion resistance
- Optional foot pedals, hand switches and compressor

TECHNICAL SPECIFICATIONS

Clamping force	7 kN at 7 bar; 16 kN at 16 bar
Test type	Tension
Jaw opening	0–14 mm, depending on jaws
Jaw face size	65 × 70 mm insert jaws
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Pneumatic connection	1/8 in
Body material	Anodized aluminum
Temperature range	0 to +70 °C
Weight	4.5 kg per grip, without jaws

AVAILABLE VERSIONS

Wave insert jaws	Special wave faces for bitumen, 65 × 70 mm, 0–14 mm
Smooth insert jaws	65 × 70 mm, 0–14 mm
Rubber-faced insert jaws	65 × 70 mm, 0–12 mm
Pyramid insert jaws	65 × 70 mm, 0–14 mm
Pyramid jaws, large opening	65 × 70 mm, 0–42 mm, with special piston rods
Carrier set	Required for insert jaws, with cooling ports

APPLICATIONS

- Bitumen roofing membranes
- Roofing felt
- Waterproofing sheets
- Soft polymer sheet

STANDARDS ASTM D4073, ASTM D5147

Ordering & customization: Specify coupling, carrier set and insert jaw faces; for bitumen testing order carriers with special wave insert jaws. Add cooling circulator, foot pedals or compressor as needed.

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-180

Symmetric Pneumatic Grip for Bitumen Sheet

DIMENSIONAL DRAWINGS

FIG. 1

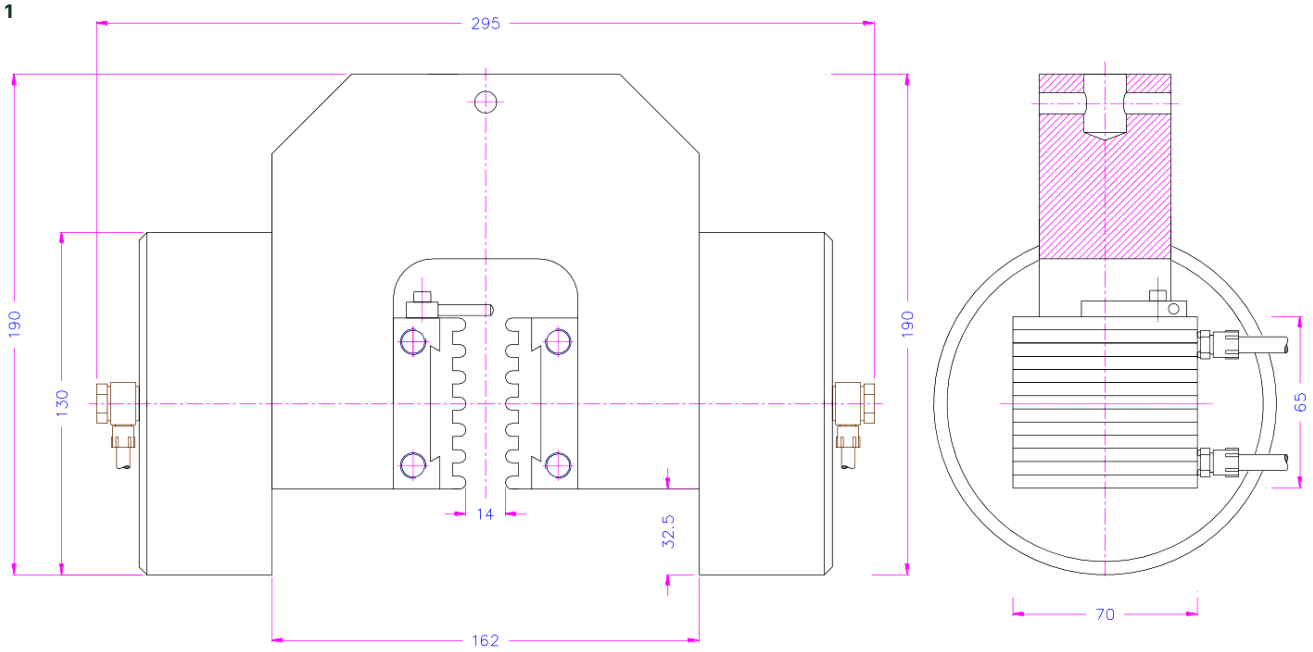
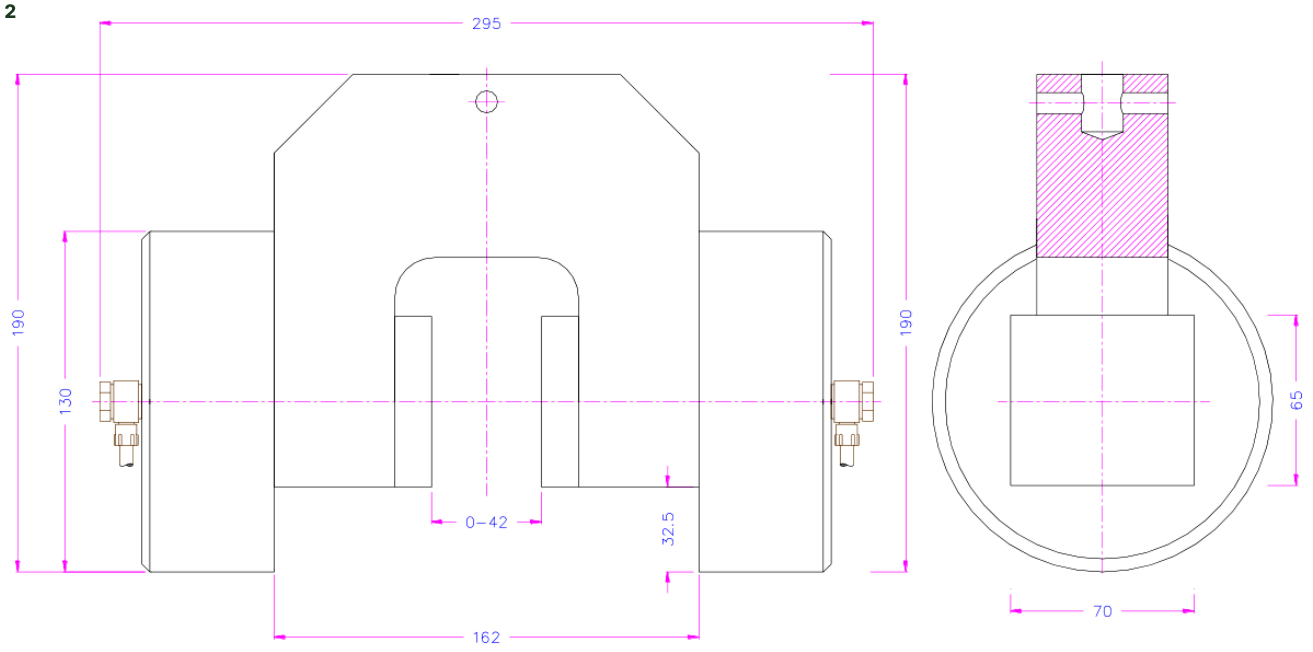


FIG. 2



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.