VISE GRIPS

Heavy Duty Vise Grip 100 kN

Heavy steel vise grips, 100 kN and up, for thick and wide specimens



OVERVIEW

Heavy-duty steel vise grips for high-force tensile tests on thick or wide flat specimens. Large clamping screws, tightened with a pneumatic impact wrench, hold up to 200 kN clamping force so specimens do not slip at full load. Body width, number of screws and coupling adapter are configured to the application, with versions rated from 100 kN up to 300 kN for geosynthetics, plates and strips.

KEY FEATURES

- Rated 100 kN, heavier versions up to 300 kN
- Clamping force up to 200 kN using a 1500 Nm impact wrench
- Hardened, nickel-plated serrated or wave jaws
- Specimen thickness up to 40 mm depending on version
- Configurable body width, screw count and coupling
- Rugged steel body with a nickel-plated finish

TECHNICAL SPECIFICATIONS

Max. load	100 kN (versions up to 300 kN)
Clamping force	Up to 200 kN at 1500 Nm (pneumatic impact wrench)
Specimen thickness	0 – 16 mm to 0 – 40 mm (depending on version)
Clamping surface	100 × 100 mm up to 100 × 210 mm
Coupling	Female clevis Ø 31.8 mm (1-1/4 in) or Ø 40 mm pin; others via adapter
Material	Steel, nickel-plated; jaws hardened
Temperature range	0 to +70 °C
Operation	Manual screws, impact wrench recommended
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

100 kN, 100 × 100 mm	Specimens 0–16 mm
100 kN, 100 × 210 mm	Specimens 0–40 mm
100 kN, 6 screws	6 x M36 screws, 70 × 200 mm jaws
250 kN, 100 × 210 mm	Specimens 0–20 mm
300 kN	Specimens 0–18 mm, male clevis coupling
Pyramid jaws	100 × 80 mm or 70 × 200 mm

APPLICATIONS

- Wide-strip geosynthetics
- Thick metal plates and strips
- Conveyor belting
- High-strength composites

STANDARDS GOST 32491

Ordering & customization: Specify required capacity, specimen width and thickness, jaw face and coupling; an impact wrench is recommended.

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-VG-190

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DIMENSIONAL DRAWINGS

FIG. 1

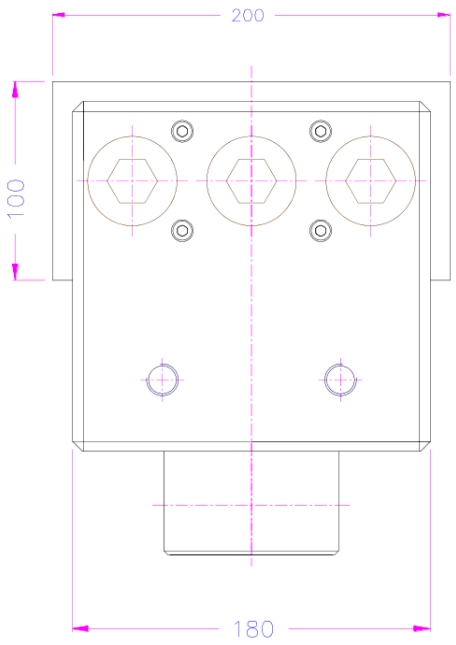


FIG. 2

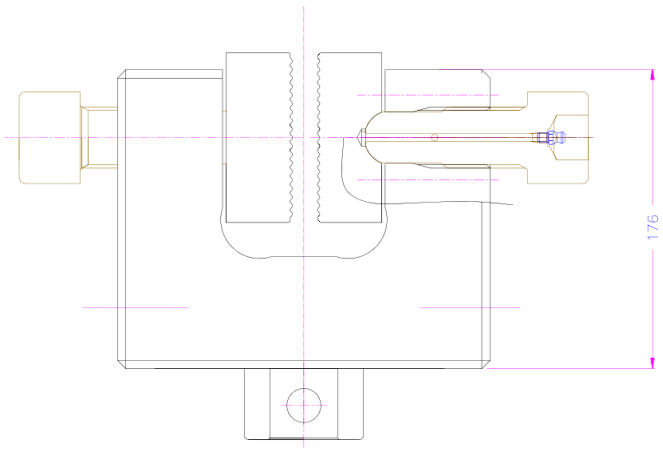


FIG. 3

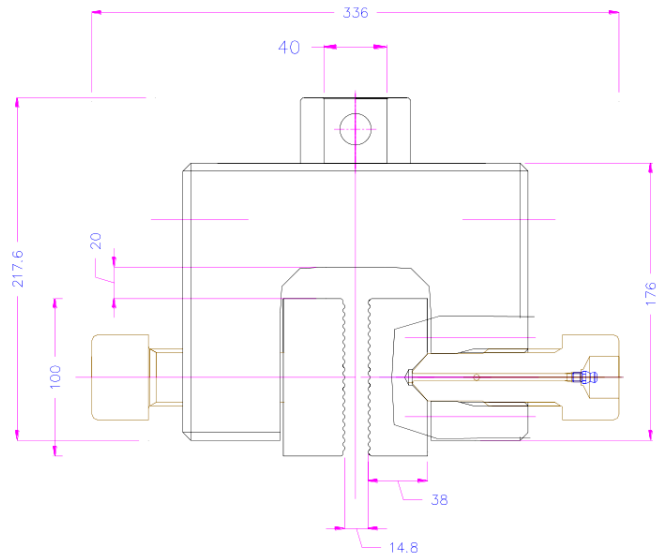
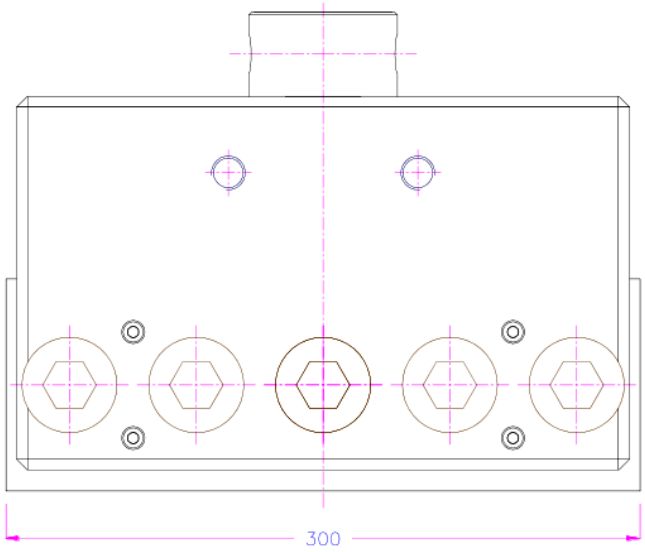


FIG. 4



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.