WEDGE GRIPS

# Low-Profile Universal Wedge Grips 100-300 kN

Crank-operated wedge grips with 11° wedge angle, 100 to 500 kN



## OVERVIEW

Universal wedge grips with a low 11° wedge angle for round and flat specimens of aluminum, copper and steel up to 30 HRC. The jaws are opened and closed with a crank handle or cordless screwdriver through a rear-side gear, which keeps the grip short enough for machines with limited daylight. A lateral door gives access for jaw changes, and standard and quick-change insert jaws cover specimens up to 50 mm.

## KEY FEATURES

- Low 11° wedge angle for a wide range of materials
- Crank or cordless screwdriver operation via rear-side gear
- Compact build height for short machine frames
- Lockable lateral door for fast jaw changes
- Standard and quick-change insert jaws, flat and round
- Options: compression platens, pneumatic pistons, adapters

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Max. load** | 100, 150, 250, 300 or 500 kN |
| **Test type** | Tensile (compression with optional platens) |
| **Jaw opening** | 0 – 50 mm (depending on jaws) |
| **Clamping surface** | 110 × 60 mm (standard jaws) |
| **Operation** | Manual crank or cordless screwdriver; pneumatic option |
| **Coupling** | Female clevis Ø 31.8 mm (1-1/4 in) or Ø 40 mm pin (100 kN); Ø 60 mm (250/300 kN); Ø 80 mm (500 kN) |
| **Body material** | Steel, nickel-plated |
| **Temperature range** | 0 to +70 °C (-40 to +280 °C option) |
| **Weight per grip** | 46 kg (100 kN) to 100 kg (500 kN), without jaws |

## AVAILABLE VERSIONS

| | |
|---|---|
| **100 kN** | 46 kg per grip |
| **150 kN** | Available with mounted compression platen or pneumatic piston |
| **250 kN** | 70 kg per grip |
| **300 kN** | 75 kg per grip |
| **500 kN** | 100 kg per grip |
| **Standard jaws** | Pyramid 0–30 / 26–50 mm; V Ø 6–30 / 30–50 mm |

## APPLICATIONS

- Aluminum and copper bar
- Mild and medium-strength steel
- Round and flat metal specimens
- Toothed belts (special jaws)

**Ordering & customization:** Specify capacity, specimen geometry and size, jaw type, coupling and temperature range; jaws are ordered separately.

**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-060

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DIMENSIONAL DRAWINGS

**FIG. 1**

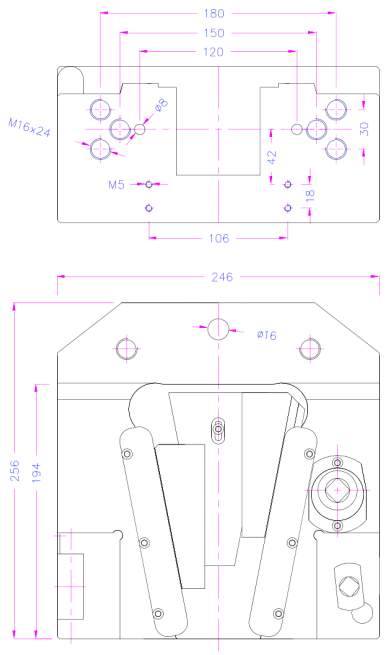



**FIG. 2**

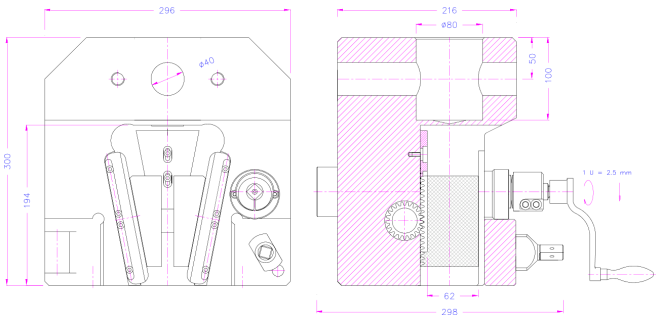



**FIG. 3**

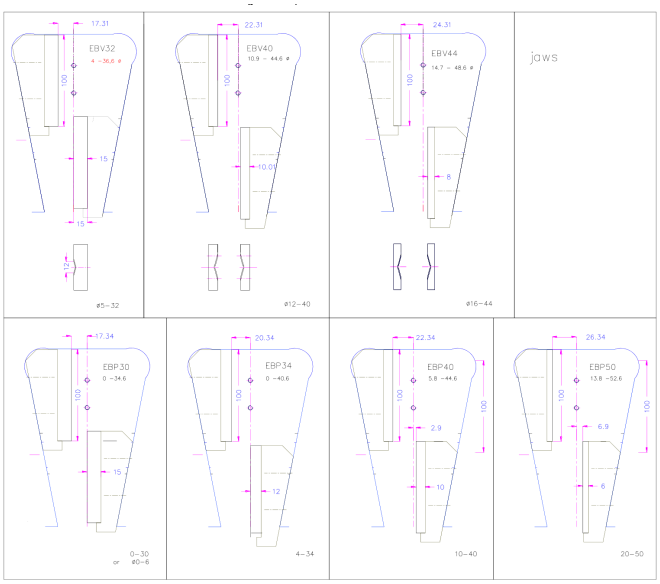
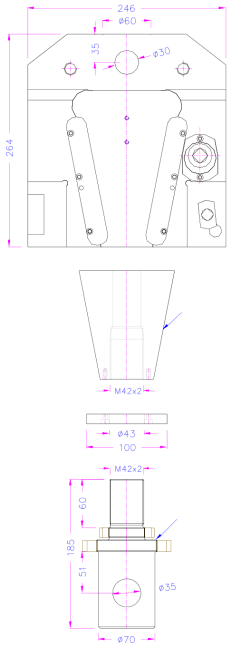



**FIG. 4**




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.