WEDGE GRIPS

# Mechanical Wedge Grip 600 kN

Enclosed crank-operated wedge grip for high-force tensile tests, 600 kN



## OVERVIEW

A heavy mechanical wedge grip in an enclosed steel body for high-force tensile tests up to 600 kN. The jaws are opened and closed with a hand crank, and serrated jaws grip flat specimens up to 40 mm thick, tightening further as load increases. The enclosed design protects the operator and the mechanism. A related 250 kN version is built for 100 × 100 mm wood specimens.

## KEY FEATURES

- Rated to 600 kN for heavy tensile testing
- Jaws are opened and closed with a hand crank
- Wedge action tightens the jaws further as load increases
- Serrated jaws for flat specimens up to 40 mm
- Enclosed body protects operator and mechanism
- 250 kN version for 100 × 100 mm wood specimens

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Max. load** | 600 kN |
| **Test type** | Tensile |
| **Jaw opening** | 0 – 40 mm |
| **Jaw surface** | Pyramid serrated |
| **Operation** | Manual, hand crank |
| **Material** | Steel |
| **Coupling** | On request |
| **Temperature range** | Ambient |

## AVAILABLE VERSIONS

| | |
|---|---|
| **600 kN** | Serrated jaws, opening 0–40 mm |
| **250 kN wood version** | Specimens 100 × 100 mm |

## APPLICATIONS

- Structural steel plate
- Heavy flat bar
- Timber and wood specimens
- High-strength alloys

**Ordering & customization:** Specify specimen geometry and size, required capacity and machine coupling.

**Drawings available on request**
Contact us for dimensional drawings or 3D models of this product.

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-050