WEDGE GRIPS

Cryogenic Wedge Grip 20 kN

Stainless steel wedge grips for tensile tests down to -253 °C



OVERVIEW

Special wedge grips for tensile tests at cryogenic temperatures, including in liquid nitrogen and liquid hydrogen. The body is made of a special stainless steel suited to deep cold, and spring-loaded wedge jaws keep a light preload on the specimen while the bath cools. Serrated 50 × 50 mm jaws hold flat specimens securely at loads up to 20 kN and temperatures down to -253 °C.

KEY FEATURES

- Rated for temperatures down to -253 °C
- Special stainless steel for liquid hydrogen service
- Also suited to liquid nitrogen baths
- Spring-loaded wedge jaws hold a light preload
- Serrated 50 × 50 mm clamping surface
- Rated to 20 kN in tension at cryogenic temperatures

TECHNICAL SPECIFICATIONS

Max. load	20 kN
Test type	Tensile, cryogenic
Temperature range	Down to -253 °C
Clamping surface	50 × 50 mm
Clamping principle	Spring-loaded wedge
Material	Special stainless steel
Coupling	On request
Specimen thickness	On request

APPLICATIONS

- Liquid hydrogen tank materials
- Cryogenic steels and alloys
- Aerospace materials
- Superconductor and LNG components

Ordering & customization: Specify test medium and temperature, specimen width and thickness, and 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-030