STANDARDS TEST FIXTURE

Hypodermic Needle Tensile Fixture ISO 7864

Drill-chuck tensile fixture for single-use hypodermic needles to ISO 7864



OVERVIEW

Tensile test fixture for single-use sterile hypodermic needles according to ISO 7864. The upper part uses a quick-action drill chuck with a 0–6.5 mm clamping range on a cardan joint, so the needle tube is gripped centrally and pulled in line with the hub to determine the bond strength between needle tube and hub.

KEY FEATURES

- Designed for needle tube-to-hub bond tests according to ISO 7864
- Quick-action drill chuck clamps needle tubes from 0 to 6.5 mm
- Cardan joint aligns the needle with the load axis
- Rated for tensile loads up to 2 kN
- Aluminum and steel construction keeps the fixture lightweight
- Standard 15.9 mm clevis coupling for direct machine mounting

TECHNICAL SPECIFICATIONS

Max. load	2 kN
Test type	Tensile, needle tube-to-hub bond
Standard	ISO 7864
Upper clamp	Quick-action drill chuck, 0–6.5 mm
Alignment	Cardan (universal) joint
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin
Material	Aluminum, steel
Temperature range	On request

APPLICATIONS

- Hypodermic needle QC
- Medical device manufacturing
- Needle hub bond testing
- Regulatory compliance testing

STANDARDS ISO 7864

Ordering & customization: Specify needle gauge and hub type, and the 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-ST-110