

Screw-Action Vise Grip for Paper Tensile Testing

Built to ISO 1924-2 — Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method (20 mm/min)



OVERVIEW

Compact screw-action vise grip for tensile testing of paper and board strips. A T-handle screw closes a moving jaw against a fixed jaw, with interchangeable serrated or flat faces that clamp the strip squarely across its full width without slippage or edge damage.

KEY FEATURES

- T-handle screw gives fast, controlled clamping force
- Interchangeable serrated and flat jaw faces
- Jaw width covers standard 15 mm paper strips with margin
- Open U-frame lets strips be loaded from the front
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Tensile properties at 20 mm/min
Test type / loading	Uniaxial tension
Specimens	Paper and board strips, typically 15 mm wide
Load capacity	1 kN standard; higher capacities on request
Grip material	Stainless steel body and jaw faces
Gripping surfaces	Serrated or flat; rubber-faced on request
Closure	Manual screw with T-handle
Machine connection	Pin or threaded adapter, to suit customer frame

APPLICATIONS

- Paper and paperboard
- Corrugated liners and fluting
- Tissue and specialty papers
- Paper mill and converter QC

ABOUT THE STANDARD

ISO 1924-2 specifies a method for determining the tensile strength, stretch at break and tensile energy absorption of paper and board at a constant elongation rate of 20 mm/min. Strips, typically 15 mm wide, are clamped at a set test span and extended to break. Tensile index and tensile stiffness may also be calculated.

Ordering & customization: Specify specimen width, paper grade or grammage, required jaw faces and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-ISO1924-2-VG