

Fabric Strip Specimen Cutting Die

Built to ISO 13934 — Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method



OVERVIEW

Rectangular cutting die for preparing fabric strip specimens to the ISO 13934-1 strip-method width. The die is placed on the fabric and pressed through in a hydraulic or manual press, producing clean, square, accurately sized strips with consistent edges for repeatable tensile results.

KEY FEATURES

- Hardened, sharpened cutting edges produce square, fray-free strip edges
- Rigid steel body keeps strip width consistent along the full length
- Ejector plate releases the cut specimen cleanly from the die
- Sized for strip-method specimens, with custom sizes available
- Suitable for hydraulic, pneumatic or manual cutting presses

TECHNICAL SPECIFICATIONS

Cutter type	Rectangular strip cutting die with ejector plate
Specimen geometry	Strip per ISO 13934-1; 50 × 260 mm typical
Cutting edge	Hardened and ground steel blade
Material thickness range	Woven fabrics and thin coated textiles; confirm for heavy fabrics
Construction	Steel die body with bolted ejector plate
Press compatibility	Hydraulic, pneumatic or manual cutting presses
Load capacity	Cutting force per fabric; press capacity on request
Related test	Strip tensile test using full-width flat grips

APPLICATIONS

- Woven fabric tensile specimen preparation
- Technical textiles and coated fabrics
- Apparel and upholstery fabric laboratories
- Incoming material quality control

ABOUT THE STANDARD

ISO 13934-1 determines the maximum force and elongation at maximum force of woven textile fabrics using a strip test. A specimen of defined width is gripped across its full width and extended at a constant rate until rupture. Results are reported as maximum force in newtons and elongation in percent, in warp and weft directions.

Ordering & customization: Specify strip width and length, fabric type and thickness, and the cutting press to be used 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-ISO13934-SC