

RIBBON STEEL CUTTING DIE

Ribbon Steel Cutting Die for GOST 11701 Type 1

Flat sheet-metal tensile specimen with heads · Tensile specimen — built to GOST 11701: Metals - Methods of tensile testing of thin sheets and strips



OVERVIEW

Steel-rule style cutting die for cutting Flat sheet-metal tensile with heads specimens to GOST 11701. A precision-bent, hardened ribbon-steel rule is set into a laser-cut plywood base with a foam ejection pad, giving clean, repeatable cuts in rubber, elastomers and soft plastics from 0 to 3 mm thick.

KEY FEATURES

- Hardened ribbon-steel rule precision-bent to the GOST 11701 Type 1 profile
- Laser-cut multi-ply plywood base holds the rule rigidly in position
- Foam ejection pad pushes the specimen free after every stroke
- Ideal for rubber, elastomers, TPE, foam and soft plastics 0–3 mm thick
- Economical, fast-turnaround option for routine QC and lab testing

SPECIMEN PROFILE

Overall length	~175 mm
Width of ends (heads)	20 mm
Width of narrow section	12.5 ± 0.2 mm
Length of narrow section	~75 mm
Gauge length	50 mm
Transition radius	20 mm
Sheet thickness	up to 3.0 mm

Nominal values per GOST 11701; die is cut to the standard's profile.

DIE SPECIFICATIONS

Die construction	Ribbon-steel rule (steel-rule die) in plywood base
Cutting edge	Hardened steel rule, precision bent
Material thickness	0 – 3 mm
Recommended materials	Rubber, elastomers, TPE, foams, soft plastics & films
Specimen ejection	Closed-cell foam ejection pad
Press compatibility	Manual, pneumatic & hydraulic sample-cutting presses
Cut profile	Flat sheet-metal tensile specimen with heads per GOST 11701

APPLICATIONS

- Steel and aluminum sheet
- Coil strip QC
- Stamping material qualification
- Foil and thin-gauge metals

ABOUT THE STANDARD

Proportional flat specimen with enlarged heads for tensile testing of thin metal sheet and strip. Heads help prevent slippage and premature failure in the grips, especially for high-strength material.

Ordering & customization: Specify the standard and specimen type, die style (ribbon steel or hardened steel), the material and thickness you cut, and your press make/model so we can match the mounting. Custom profiles, multi-cavity dies and nick/notch features are available on request.

Also available: Hardened Steel version

Machined from one piece of hardened steel for harder plastics up to 5 mm thick — same GOST 11701 Type 1 profile.

Metallic-specimen geometry: confirm sheet material, hardness and thickness at quote. Specifications are typical and may vary by configuration; confirm at time of quote. Refer to the current edition of the standard for specimen tolerances and test procedures. Part ref. UGC-CDR-GOST11701-T1