RIBBON STEEL CUTTING DIE

Ribbon Steel Cutting Die for GOST R 56800 Type 2

Dumbbell Type 2 (ASTM D638 Type II) · Tensile specimen — built to GOST R 56800: Polymer composites - Determination of tensile properties of unreinforced and reinforced materials

Representative ribbon steel die

OVERVIEW

Steel-rule style cutting die for cutting Dumbbell Type 2 (ASTM D638 Type II) specimens to GOST R 56800. 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 R 56800 Type 2 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 (min)	183 mm
Width of ends	19 mm
Width of narrow section	6 mm
Length of narrow section	57 mm
Gauge length	50 mm
Thickness	max 7 mm

Nominal values per GOST R 56800; 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	Dumbbell Type 2 (ASTM D638 Type II) per GOST R 56800

APPLICATIONS

- Reinforced and unreinforced plastics
- Composite laminates
- Export testing to ASTM
- Material qualification

ABOUT THE STANDARD

Type 2 dumbbell for tensile strength, modulus and elongation of plastics and composites. GOST R 56800-2015 adopts the ASTM D638 specimen family, so Type 2 matches ASTM D638 Type II.

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 R 56800 Type 2 profile.

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-GOSTR56800-T2