

HARDENED STEEL CUTTING DIE

Hardened Steel Cutting Die for GOST 11262 Fig. 2 Type 1

Small dumbbell Type 1 · Tensile specimen — built to GOST 11262: Plastics - Tensile test method


OVERVIEW

Solid cutting die for cutting Small dumbbell Type 1 specimens to GOST 11262. The die is machined from a single piece of steel, hardened and finished with a sharp, precision cutting edge, so it holds its profile when cutting harder plastics from 0 to 5 mm thick.

KEY FEATURES

- Machined from a single piece of steel — no joints or seams in the cutting edge
- Hardened, precision-finished edge for clean, square specimen sides
- Cuts harder plastics, filled compounds and sheet from 0–5 mm thick
- Integral ejector plate releases the specimen after cutting
- Long service life; cutting edge can be re-sharpened

SPECIMEN PROFILE

Overall length (min)	115 mm
Width of ends	25 ± 1 mm
Width of narrow section	6.0 ± 0.4 mm
Length of narrow section	33 ± 1 mm
Gauge length	25 ± 1 mm
Radii	r1 25 ± 1 / r2 14.0 ± 0.5 mm
Thickness	2.0 ± 0.2 mm

Nominal values per GOST 11262; die is cut to the standard's profile.

DIE SPECIFICATIONS

Die construction	One-piece machined steel body
Cutting edge	Hardened, precision-finished
Material thickness	0 – 5 mm
Recommended materials	Rigid & semi-rigid plastics, filled compounds, rubber, sheet & film
Specimen ejection	Integral ejector plate
Press compatibility	Manual, pneumatic & hydraulic sample-cutting presses
Cut profile	Small dumbbell Type 1 per GOST 11262

APPLICATIONS

- Thin plastic sheet
- Plasticized PVC
- Polyolefin films and sheet
- Legacy test programs

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.

ABOUT THE STANDARD

This smaller dumbbell, carried over from the earlier GOST 11262-80, suits thin sheet and flexible plastics. Its geometry is the same as the classic 6 × 33 mm rubber dumbbell.

Also available: Ribbon Steel version

Economical steel-rule die for rubber, elastomers and soft plastics up to 3 mm thick — same GOST 11262 Fig. 2 Type 1 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.
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