

HARDENED STEEL CUTTING DIE

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

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


OVERVIEW

Solid cutting die for cutting Multipurpose dumbbell Type 1A 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	170 mm
Width of ends	20.0 ± 0.2 mm
Width of narrow section	10.0 ± 0.2 mm
Length of narrow section	80 ± 2 mm
Gauge length	75.0 ± 0.5 mm
Radius	24 ± 1 mm
Recommended thickness	4.0 ± 0.2 mm

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

APPLICATIONS

- Injection-molded thermoplastics
- Resin grade certification
- Filled and reinforced compounds
- R&D property comparison

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.

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	Multipurpose dumbbell Type 1A per GOST 11262

ABOUT THE STANDARD

Type 1A is the multipurpose dumbbell for directly molded plastics, giving tensile strength, modulus and elongation. GOST 11262-2017 aligns its main specimens with ISO 527-2.

Also available: Ribbon Steel version

Economical steel-rule die for rubber, elastomers and soft plastics up to 3 mm thick — same GOST 11262 Fig. 1 Type 1A 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-CDH-GOST11262-F1T1A