

HARDENED STEEL CUTTING DIE

Hardened Steel Cutting Die for GOST 30684

Paronite tensile dumbbell · Tensile specimen — built to GOST 30684: Asbestos and non-asbestos gasket materials - Method of tensile strength testing


OVERVIEW

Solid cutting die for cutting Paronite tensile dumbbell specimens to GOST 30684. 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	100 mm
Width of ends	30 mm
Width of narrow section	20 mm
Length of narrow section	40 mm
Thickness	as supplied

Nominal values per GOST 30684; 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	Paronite tensile dumbbell per GOST 30684

APPLICATIONS

- Paronite gasket sheet
- Non-asbestos compressed fiber
- Thermal-insulating boards
- Gasket supplier QC

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.

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-GOST30684

ABOUT THE STANDARD

Determines tensile strength of compressed fiber and paronite gasket sheet, with specimens cut along and across the rolling direction. Paronite may be tested as a die-cut dumbbell instead of the standard 110 × 20 mm strip.

Also available: Ribbon Steel version

Economical steel-rule die for rubber, elastomers and soft plastics up to 3 mm thick — same GOST 30684 profile.