

HARDENED STEEL CUTTING DIE

Hardened Steel Cutting Die for GOST 22372

Dielectric disc · Permittivity / dielectric loss specimen — built to GOST 22372: Dielectric materials - Methods for determination of permittivity and dielectric loss tangent at 100 Hz to 5 MHz


OVERVIEW

Solid cutting die for cutting Dielectric disc specimens to GOST 22372. 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

Diameter	50 mm
Allowed diameter range	25 to 150 mm
Diameter-to-thickness ratio (min)	10:1
Minimum film thickness	0.15 mm

Nominal values per GOST 22372; die is cut to the standard's profile.

APPLICATIONS

- Insulating films and sheet
- PCB laminates
- Cable insulation compounds
- Elastomeric insulators

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-GOST22372

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	Dielectric disc per GOST 22372

ABOUT THE STANDARD

Flat disc specimens are placed between electrodes to measure permittivity and loss tangent from 100 Hz to 5 MHz. Specimen diameter is chosen to suit the electrode set, with 50 mm a common size.

Also available: Ribbon Steel version
Economical steel-rule die for rubber, elastomers and soft plastics up to 3 mm thick — same GOST 22372 profile.