

ASTM D575 Specimen Cutter

Circular Die Cutter for Rubber Compression Specimens

Built to ASTM D575 — Standard Test Methods for Rubber Properties in Compression



OVERVIEW

Circular cutting die for preparing cylindrical rubber specimens for compression testing. The hollow die cuts clean disks from rubber sheet or slabs, with a precision-ground edge that minimizes concave cut faces so specimens sit flat between compression plates and give consistent force-deflection results.

KEY FEATURES

- Circular die sized to the standard D575 disk specimen diameter
- Precision-ground cutting edge for square, clean specimen walls
- Suits rotary cutting in a drill press or straight press cutting
- Hardened tool steel for long edge life
- Resharpener service available

TECHNICAL SPECIFICATIONS

Use	Cutting disk specimens for rubber compression tests
Specimen type	Cylindrical disks, per ASTM D575 geometry
Materials	Vulcanized rubber and thermoplastic elastomers
Blade material	Hardened tool steel
Cutting edge	Precision-ground, lubricated cutting recommended
Press compatibility	Drill press (rotary) or arbor/clicker press
Mounting	Straight shank or press mount; custom to suit
Service	Resharpener available

APPLICATIONS

- Rubber compounds and vulcanizates
- Elastomeric pads and bearings
- Seals and anti-vibration materials
- Rubber laboratory sample prep

ABOUT THE STANDARD

ASTM D575 covers testing of rubber in compression, measuring the force-deflection characteristics of vulcanized rubber and rubber-like materials. Method A applies a specified deflection and records the force; Method B applies a specified force and records the deflection. Cylindrical disk specimens are typically cut from sheets or slabs and compressed between parallel plates.

Ordering & customization: Specify specimen diameter, slab thickness and cutting method when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-D575-SC