

# ASTM D3182 Specimen Cutter

## Specimen Cutting Die for Standard Rubber Sheets

Built to ASTM D3182 — Standard Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets



### OVERVIEW

Cutting die for preparing test specimens from standard vulcanized rubber sheets made according to ASTM D3182. The hardened cutting edge cuts clean, accurately dimensioned specimens from molded sheet in a single stroke, supporting consistent results in the downstream tensile and physical property tests.

### KEY FEATURES

- Hardened cutting edge for clean, accurate rubber specimens
- Profiles available to suit downstream test methods
- Clean edges reduce premature edge-initiated failures
- Use with manual, pneumatic or hydraulic cutting presses
- Resharpenable edge for long service life

### TECHNICAL SPECIFICATIONS

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Test method         | Standard vulcanized sheet specimen preparation          |
| Product type        | Specimen cutting die                                    |
| Specimens           | Cut from standard vulcanized sheets per ASTM D3182      |
| Material thickness  | Standard molded rubber sheet                            |
| Die material        | Hardened tool steel                                     |
| Cutting edge        | Precision-ground, resharpenable                         |
| Press compatibility | Manual, pneumatic or hydraulic specimen cutting presses |
| Options             | Specimen molds and press-mount dies on request          |

### APPLICATIONS

- Rubber compound development
- Raw material evaluation
- Tire and industrial rubber labs
- Laboratory specimen preparation

### ABOUT THE STANDARD

ASTM D3182 is a practice describing the materials, equipment and procedures for mixing standard rubber compounds and preparing standard vulcanized sheets for testing. It covers mixing on mills or internal mixers, sheeting, molds and curing, so that physical test specimens are prepared under controlled, reproducible conditions for comparing compounds and materials.

**Ordering & customization:** Specify the specimen profile required, sheet thickness and press type 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-D3182-SC