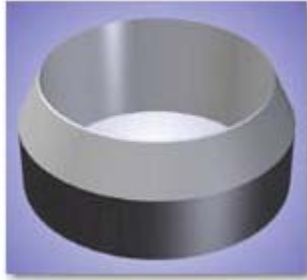


CCSi *Ultra-Life* Specimen Cutting Dies: ASTM D814



Ultra-Life D814 Specimen Die

CCSi manufactures this high quality Specimen Cutting Die for the measurement of the rate of vapor transmission of volatile liquids through a rubber sheet, disk, or diaphragm, as described in [ASTM D814](#) 'Standard Test Method for Rubber Property - Vapor Transmission of Volatile Liquids'.

The method requires that the specimens be obtained from materials in a sheet form, either from articles, or from a specially prepared test piece, neither of which are to exceed 3.2 mm (0.125 inch) in thickness.

CCSi manufactures laboratory molds, as described in [ASTM D3182](#) 'Standard Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets', for the purpose of preparing test pieces from which the D814 specimens may be obtained. These are described in the CCSi section regarding *ASTM Specimen Molds*.

CCSi *Ultra-Life* Specimen Dies: Quality Manufacturing

CCSi *Ultra-Life* specimen cutting dies are manufactured from homogenous, solid, high carbon content A2 tool steel. Each undergoes multi-axis precision grinding and conventional, plunge, or wire EDM (Electrical Discharge Machining) processes ... producing a world-class, close tolerance die.

Precision grinding and EDM processes ensure true parallelism and multi-plane dimensional accuracy. The quality of materials, design, and engineering serve to provide the highest specimen quality possible, over an extended service life.

Where highly technical manufacturing techniques and processes end ... old-world craftsmanship begins!

CCSi *Ultra-Life* specimen cutting dies are individually serialized, hand-honed, and mirror polished. A protective coating of industrial enamel is applied to the non-cutting surfaces before undergoing a rigorous final inspection.

Each *Ultra-Life* specimen cutting die includes a detailed final report and certification to the applicable standard, traceable to NIST, and compliant with ISO 9001:2000 and ISO/IEC 17025. The specimen dies are placed in a plastic, blow-molded, 'clam shell' style case with a foam lining to protect the die during transport and storage.

CCSi *Ultra-Life* Specimen Dies: Features

The CCSi Specimen Cutting Dies Feature:

- Exclusive *Ultra-Life* cutting edge technology;
- Designed with advanced 3D solid modeling;
- High carbon content A2 tool steel;
- Manufactured using computerized systems and techniques;
- EDM (Electrical Discharge Machining);
- CNC (Computer Numerical Control) 4 axis machining;
- Precision ground;
- Expertly honed;
- Finely polished;
- Protective industrial enamel coating;
- Plastic, foam lined, protective case;
- Traceability of dimensional measurement to NIST;
- Certification to ASTM D814;
- Compliance with ISO 9001:2000 and ISO/IEC 17025;

Available in:

- ASTM D814 Mallet handle, arbor press mount, & press adapter versions;
- Manufactured to user's specifications.

CCSi *Ultra-Life* ASTM D814 Specimen Cutting Dies: Specifications & Pricing

Part Number	Description	Dimensions
CCSi-D814-Sn	ASTM D814 Die without mounting device	68 ± 0.1 mm Ø (2.69 ± 0.004 inch Ø)
CCSi-D814-Sa	ASTM D814 Die with arbor press mount	
CCSi-D814-Sp	ASTM D814 Die with press adapter	
CCSi-D814-Sm	ASTM D814 Die with mallet handle	
Please Request a Quotation for current pricing and delivery.		

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