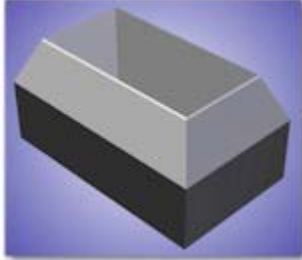


CCSi *Ultra-Life* Specimen Cutting Dies: ASTM D1054



Ultra-Life D1054 Standard Die

CCSi manufactures these high quality *Ultra-Life* Specimen Cutting Dies for the determination of impact resilience and penetration of rubber by means of the Goodyear-Healey rebound pendulum instrument, as described in [ASTM D1054](#) 'Test Method for Rubber Property-Resilience Using a Goodyear-Healey Rebound Pendulum'.

The Goodyear-Healey Rebound test is applicable to those substances classified as thermoplastic elastomers, vulcanized (thermoset) rubber, elastomeric materials, and cellular materials.

The material is die cut from sheets of uncured compounded rubber approximately 2 mm (0.85 in.) in thickness. The pieces are then stacked in the cavities to the appropriate thickness and molded into rectangular blocks using the CCSi [D1054 Specimen Mold](#).

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 D1054;
- Compliance with ISO 9001:2000 and ISO/IEC 17025.

Available in:

- ASTM D1054 Standard Configuration;
- Mallet handle, arbor press mount, & press adapter versions.

CCSi *Ultra-Life* ASTM D1054 Specimen Cutting Dies: Specifications & Pricing

Part Number	Description	Dimensions
CCSi-D1054-An	D1054 Die without mounting device	2 x 22 x 48 mm (0.85 x 0.9 x 1.9 in.)
CCSi-D1054-Aa	D1054 Die with arbor press mount	
CCSi-D1054-Ap	D1054 Die with press adapter	
CCSi-D1054-Am	D1054 Die with mallet handle	
Please Request a Quotation for current pricing and delivery.		

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Corporate Consulting, Service & Instruments, Incorporated
221 Beaver Street • Akron, Ohio 44304 USA

Telephone: 800.742.8535 / 330.376.3600 • Facsimile: 800.229.9329 / 330.376.8500

• WWW.CCSI-INC.COM • WWW.ORECOZONE.NET •