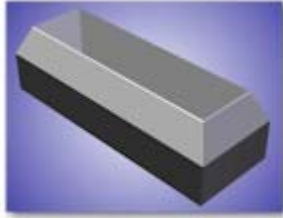


## CCSi *Ultra-Life* Specimen Cutting Dies: ASTM D1148



*Ultra-Life* D1148 Specimen Die

CCSi manufactures these high quality Specimen Cutting Dies for the evaluation of the surface discoloration of white, or light colored, vulcanized rubber that may occur on exposure to heat and ultraviolet (UV) radiation, as described in [ASTM D1148](#) '*Standard Test Method for Rubber Deterioration – Heat and Ultraviolet Light Discoloration of Light - Colored Surfaces*'.

ASTM D1148 describes *discoloration* as the change in appearance of the color of a rubber specimen.

This is distinguished from *staining* as described in [ASTM D925](#) '*Standard Test Methods for Rubber Property – Staining of Surfaces (Contact, Migration, and Diffusion)*'. A control compound is maintained for comparative analysis of the change in color, or *discoloration*.

The D1148 test specimen is required to have dimensions of 62 x 12 mm (2.4 x 0.5 inch), the thickness is not specified and generally is not an important consideration in this procedure. This specimen may be prepared from an article, or molded in accordance with [ASTM D3182](#) '*Standard Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets*'.

## 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 D1148;
- Compliance with ISO 9001:2000 and ISO/IEC 17025.

Available in:

- ASTM D1148 Standard Die.

## CCSi *Ultra-Life* ASTM D1148 Specimen Cutting Dies: Specifications & Pricing

Part Number	Description	Dimensions
CCSi-D1148-Cn	D1148 Die without mounting device	62 x 12 mm (2.4 x 0.5 inch)
CCSi-D1148-Ca	D1148 Die with arbor press mount	
CCSi-D1148-Cp	D1148 Die with press adapter	
CCSi-D1148-Cm	D1148 Die with mallet handle	
Please Request a <a href="#">Quotation</a> for current pricing and delivery.		

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