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Metals - Mechanical Testing; Elevated and Low-Temperature Tests; Metallography

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[E633-00\(2005\) Standard Guide for Use of Thermocouples in Creep and Stress-Rupture Testing to 1800°F \(1000°C\) in Air - \(View Full Text\)](#)

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[E883-02\(2007\) Standard Guide for Reflected-Light Photomicrography - \(View Full Text\)](#)

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[E1049-85\(2005\) Standard Practices for Cycle Counting in Fatigue Analysis - \(View Full Text\)](#)

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[E1290-02e1 Standard Test Method for Crack-Tip Opening Displacement \(CTOD\) Fracture Toughness Measurement - \(View Full Text\)](#)

[E1304-97\(2002\) Standard Test Method for Plane-Strain \(Chevron-Notch\) Fracture Toughness of Metallic Materials - \(View Full Text\)](#)

[E1319-98\(2003\) Standard Guide for High-Temperature Static Strain Measurement - \(View Full Text\)](#)

[E1351-01\(2006\) Standard Practice for Production and Evaluation of Field Metallographic Replicas - \(View Full Text\)](#)

[E1382-97\(2004\) Standard Test Methods for Determining Average Grain Size Using Semiautomatic and Automatic Image Analysis - \(View Full Text\)](#)

[E1426-98\(2003\) Standard Test Method for Determining the Effective Elastic Parameter for X-Ray Diffraction Measurements of Residual Stress - \(View Full Text\)](#)

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[E1457-07 Standard Test Method for Measurement of Creep Crack Growth Times in Metals - \(View Full Text\)](#)

[E1508-98\(2003\) Standard Guide for Quantitative Analysis by Energy-Dispersive Spectroscopy - \(View Full Text\)](#)

[E1544-99\(2004\)e1 Standard Practice for Construction of a Stepped Block and Its Use to Estimate Errors Produced by Speed-of-Sound Measurement Systems for Use on Solids - \(View Full Text\)](#)

[E1558-99\(2004\) Standard Guide for Electrolytic Polishing of Metallographic Specimens - \(View Full Text\)](#)

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[E1681-03 Standard Test Method for Determining a Threshold Stress Intensity Factor for Environment-Assisted Cracking of Metallic Materials - \(View Full Text\)](#)

[E1685-00\(2006\) Standard Practice for Measuring the Change in Length of Fasteners Using the Ultrasonic Pulse-Echo Technique - \(View Full Text\)](#)

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[E1856-97\(2002\) Standard Guide for Evaluating Computerized Data Acquisition Systems Used to Acquire Data from Universal Testing Machines - \(View Full Text\)](#)

[E1875-00e1 Standard Test Method for Dynamic Young's Modulus, Shear Modulus, and Poisson's Ratio by Sonic Resonance - \(View Full Text\)](#)

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[E1920-03 Standard Guide for Metallographic Preparation of Thermal Sprayed Coatings - \(View Full Text\)](#)

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[E1942-98\(2004\) Standard Guide for Evaluating Data Acquisition Systems Used in Cyclic Fatigue and Fracture Mechanics Testing - \(View Full Text\)](#)

[E1949-03 Standard Test Method for Ambient Temperature Fatigue Life of Metallic Bonded Resistance Strain Gages - \(View Full Text\)](#)

[E1951-02 Standard Guide for Calibrating Reticles and Light Microscope Magnifications - \(View Full Text\)](#)

[E2014-99\(2005\) Standard Guide on Metallographic Laboratory Safety - \(View Full Text\)](#)

[E2015-04 Standard Guide for Preparation of Plastics and Polymeric Specimens for Microstructural Examination - \(View Full Text\)](#)

[E2109-01\(2007\) Test Methods for Determining Area Percentage Porosity in Thermal Sprayed Coatings - \(View Full Text\)](#)

[E2142-01 Standard Test Methods for Rating and Classifying Inclusions in Steel Using the Scanning Electron Microscope - \(View Full Text\)](#)

[E2207-02 Standard Practice for Strain-Controlled Axial-Torsional Fatigue Testing with Thin-Walled Tubular Specimens - \(View Full Text\)](#)

[E2208-02 Standard Guide for Evaluating Non-Contacting Optical Strain Measurement Systems - \(View Full Text\)](#)

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[E2444-05e1 Terminology Relating to Measurements Taken on Thin, Reflecting Films - \(View Full Text\)](#)

[E2448-06 Standard Test Method for Determining the Superplastic Properties of Metallic Sheet Materials - \(View Full Text\)](#)

[E2472-06 Standard Test Method for Determination of Resistance to Stable Crack Extension under Low-Constraint Conditions - \(View Full Text\)](#)

[SI Quick Reference Guide: International System of Units \(SI\) - *The Modern Metric System* - \(View Full Text\)](#)

Withdrawn Standards

E812 Standard Test Method for Crack Strength of Slow-Bend Precracked Charpy Specimens of High-Strength Metallic Materials (Withdrawn 2005) No Replacement
E1122 Standard Practice for Obtaining JK Inclusion Ratings Using Automatic Image Analysis (Withdrawn 2006) Replaced by E45
E1236 Standard Practice for Qualifying Charpy Impact Machines as Reference Machines (Withdrawn 2006) No Replacement