

# List of G ASTM Standards

- G1-03(2011) Standard Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens
- G2/G2M-06(2011) Standard Test Method for Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 680°F [360°C] or in Steam at 750°F [400°C]
- G3-89(2010) Standard Practice for Conventions Applicable to Electrochemical Measurements in Corrosion Testing
- G3-RUS-89(2010) Стандартная методика использования соглашений, применяемых в электрохимических измерениях при коррозионных испытаниях
- G4-01(2008) Standard Guide for Conducting Corrosion Tests in Field Applications
- G5-13 Standard Reference Test Method for Making Potentiodynamic Anodic Polarization Measurements
- G6-07 Standard Test Method for Abrasion Resistance of Pipeline Coatings
- G7/G7M-11 Standard Practice for Atmospheric Environmental Exposure Testing of Nonmetallic Materials
- G8-96(2010) Standard Test Methods for Cathodic Disbonding of Pipeline Coatings
- G8-RUS-96(2010) Стандартный метод испытания для проверки катодного отслаивания покрытий трубопроводов
- G9-07 Standard Test Method for Water Penetration into Pipeline Coatings
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- G12-07 Standard Test Method for Nondestructive Measurement of Film Thickness of Pipeline Coatings on Steel
- G14-04(2010)e1 Standard Test Method for Impact Resistance of Pipeline Coatings (Falling Weight Test)
- G16-95(2010) Standard Guide for Applying Statistics to Analysis of Corrosion Data
- G17-07 Standard Test Method for Penetration Resistance of Pipeline Coatings (Blunt Rod)
- G18-07 Standard Test Method for Joints, Fittings, and Patches in Coated Pipelines
- G20-10 Standard Test Method for Chemical Resistance of Pipeline Coatings
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- G21-RUS-09 Стандартная методика определения плеснеустойкости синтетических полимерных материалов
- G24-05 Standard Practice for Conducting Exposures to Daylight Filtered Through Glass
- G28-02(2008) Standard Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys
- G28-RUS-02(2008) Стандартные методы определения восприимчивости к межкристаллитной коррозии деформируемых хромсодержащих сплавов, обогащенных никелем
- G29-96(2010) Standard Practice for Determining Algal Resistance of Plastic Films
- G30-97(2009) Standard Practice for Making and Using U-Bend Stress-Corrosion Test Specimens
- G32-10 Standard Test Method for Cavitation Erosion Using Vibratory Apparatus
- G33-99(2010) Standard Practice for Recording Data from Atmospheric Corrosion Tests of Metallic-Coated Steel Specimens
- G34-01(2007) Standard Test Method for Exfoliation Corrosion Susceptibility in 2XXX and 7XXX Series Aluminum Alloys (EXCO Test)
- G35-98(2010) Standard Practice for Determining the Susceptibility of Stainless Steels and Related Nickel-Chromium-Iron Alloys to Stress-Corrosion Cracking in Polythionic Acids
- G36-94(2006) Standard Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution
- G37-98(2011) Standard Practice for Use of Mattsson's Solution of pH 7.2 to Evaluate the Stress-Corrosion Cracking Susceptibility of Copper-Zinc Alloys
- G38-01(2007) Standard Practice for Making and Using C-Ring Stress-Corrosion Test Specimens
- G39-99(2011) Standard Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens
- G40-13 Standard Terminology Relating to Wear and Erosion
- G41-90(2006) Standard Practice for Determining Cracking Susceptibility of Metals Exposed Under Stress to a Hot Salt Environment
- G42-11 Standard Test Method for Cathodic Disbonding of Pipeline Coatings Subjected to Elevated Temperatures
- G44-99(2005) Standard Practice for Exposure of Metals and Alloys by Alternate Immersion in Neutral 3.5% Sodium Chloride Solution
- G46-94(2005) Standard Guide for Examination and Evaluation of Pitting Corrosion
- G47-98(2011) Standard Test Method for Determining Susceptibility to Stress-Corrosion Cracking of 2XXX and 7XXX Aluminum Alloy Products
- G48-11 : Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of

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G59-97(2009) Standard Test Method for Conducting Potentiodynamic Polarization Resistance Measurements

G60-01(2007) Standard Practice for Conducting Cyclic Humidity Exposures

G61-86(2009) Standard Test Method for Conducting Cyclic Potentiodynamic Polarization Measurements for Localized Corrosion Susceptibility of Iron-, Nickel-, or Cobalt-Based Alloys

G62-07 Standard Test Methods for Holiday Detection in Pipeline Coatings

G62-RUS-07 Стандартные методы определения пропусков в защитном покрытии трубопровода

G63-99(2007) Standard Guide for Evaluating Nonmetallic Materials for Oxygen Service

G64-99(2005) Standard Classification of Resistance to Stress-Corrosion Cracking of Heat-Treatable Aluminum Alloys

G65-04(2010) Standard Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus

G66-99(2005)e1 Standard Test Method for Visual Assessment of Exfoliation Corrosion Susceptibility of 5XXX Series Aluminum Alloys (ASSET Test)

G67-13 Standard Test Method for Determining the Susceptibility to Intergranular Corrosion of 5XXX Series Aluminum Alloys by Mass Loss After Exposure to Nitric Acid (NAMLT Test)

G69-12 Standard Test Method for Measurement of Corrosion Potentials of Aluminum Alloys

G70-07 Standard Test Method for Ring Bendability of Pipeline Coatings (Squeeze Test)

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G73-10 Standard Test Method for Liquid Impingement Erosion Using Rotating Apparatus

G74-08 Standard Test Method for Ignition Sensitivity of Materials to Gaseous Fluid Impact

G75-07 Standard Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number)

G76-07 Standard Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets

G77-05(2010) Standard Test Method for Ranking Resistance of Materials to Sliding Wear Using Block-on-Ring Wear Test

G78-01(2012) Standard Guide for Crevice Corrosion Testing of Iron-Base and Nickel-Base Stainless Alloys in Seawater and Other Chloride-Containing Aqueous Environments

G80-07 Standard Test Method for Specific Cathodic Disbonding of Pipeline Coatings

G81-97a(2007) Standard Test Method for Jaw Crusher Gouging Abrasion Test

G82-98(2009) Standard Guide for Development and Use of a Galvanic Series for Predicting Galvanic Corrosion Performance

G84-89(2012) Standard Practice for Measurement of Time-of-Wetness on Surfaces Exposed to Wetting Conditions as in Atmospheric Corrosion Testing

G85-11 Standard Practice for Modified Salt Spray (Fog) Testing

G86-98a(2011) Standard Test Method for Determining Ignition Sensitivity of Materials to Mechanical Impact in Ambient Liquid Oxygen and Pressurized Liquid and Gaseous Oxygen Environments

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G91-11 Standard Practice for Monitoring Atmospheric SO<sub>2</sub> Deposition Rate for Atmospheric Corrosivity Evaluation

G92-86(2010) Standard Practice for Characterization of Atmospheric Test Sites

G93-03(2011) Standard Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments

G94-05 Standard Guide for Evaluating Metals for Oxygen Service

G95-07 Standard Test Method for Cathodic Disbondment Test of Pipeline Coatings (Attached Cell Method)

G96-90(2008) Standard Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)

G97-97(2007) Standard Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications

G98-02(2009) Standard Test Method for Galling Resistance of Materials

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G101-04(2010) Standard Guide for Estimating the Atmospheric Corrosion Resistance of Low-Alloy Steels

G102-89(2010) Standard Practice for Calculation of Corrosion Rates and Related Information from Electrochemical Measurements

G102-RUS-89(2010) Стандартная методика расчета скоростей коррозии и связанных с ней данных по результатам электрохимических измерений

G103-97(2011) Standard Practice for Evaluating Stress-Corrosion Cracking Resistance of Low Copper 7XXX Series Al-Zn-Mg-Cu Alloys in Boiling 6% Sodium Chloride Solution

G105-02(2007) Standard Test Method for Conducting Wet Sand/Rubber Wheel Abrasion Tests

G106-89(2010) Standard Practice for Verification of Algorithm and Equipment for Electrochemical Impedance Measurements

G107-95(2008) Standard Guide for Formats for Collection and Compilation of Corrosion Data for Metals for Computerized Database Input

G108-94(2010) Standard Test Method for Electrochemical Reactivation (EPR) for Detecting Sensitization of AISI Type 304 and 304L Stainless Steels

G109-07 Standard Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments

G110-92(2009) Standard Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution

G111-97(2006) Standard Guide for Corrosion Tests in High Temperature or High Pressure Environment, or Both

G112-92(2009) Standard Guide for Conducting Exfoliation Corrosion Tests in Aluminum Alloys

G113-09 Standard Terminology Relating to Natural and Artificial Weathering Tests of Nonmetallic Materials

G114-07 Standard Practices for Evaluating the Age Resistance of Polymeric Materials Used in Oxygen Service

G115-10 Standard Guide for Measuring and Reporting Friction Coefficients

G116-99(2010) Standard Practice for Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion

G117-02(2007) Standard Guide for Calculating and Reporting Measures of Precision Using Data from Interlaboratory Wear or Erosion Tests

G118-02(2007) Standard Guide for Recommended Format of Wear Test Data Suitable for Databases

G119-09 Standard Guide for Determining Synergism Between Wear and Corrosion

G120-01(2008) Standard Practice for Determination of Soluble Residual Contamination in by Soxhlet Extraction

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G122-96(2008) Standard Test Method for Evaluating the Effectiveness of Cleaning Agents

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G124-10 Standard Test Method for Determining the Combustion Behavior of Metallic Materials in Oxygen-Enriched Atmospheres

G125-00(2008) Standard Test Method for Measuring Liquid and Solid Material Fire Limits in Gaseous Oxidants

G126-00(2008) Standard Terminology Relating to the Compatibility and Sensitivity of Materials in Oxygen Enriched Atmospheres

G127-95(2008) Standard Guide for the Selection of Cleaning Agents for Oxygen Systems

G128-02(2008) Standard Guide for Control of Hazards and Risks in Oxygen Enriched Systems

G129-00(2006) Standard Practice for Slow Strain Rate Testing to Evaluate the Susceptibility of Metallic Materials to Environmentally Assisted Cracking

G130-12 Standard Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer

G131-96(2008) Standard Practice for Cleaning of Materials and Components by Ultrasonic Techniques

G132-96(2007) Standard Test Method for Pin Abrasion Testing

G133-05(2010) Standard Test Method for Linearly Reciprocating Ball-on-Flat Sliding Wear

G134-95(2010)e1 Standard Test Method for Erosion of Solid Materials by a Cavitating Liquid Jet

G135-95(2007) Standard Guide for Computerized Exchange of Corrosion Data for Metals

G136-03(2009) Standard Practice for Determination of Soluble Residual Contaminants in Materials by Ultrasonic Extraction

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G138-12 Standard Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance

G139-05(2011) Standard Test Method for Determining Stress-Corrosion Cracking Resistance of Heat-Treatable Aluminum Alloy Products Using Breaking Load Method

G140-02(2008) Standard Test Method for Determining Atmospheric Chloride Deposition Rate by Wet Candle Method

G141-09 Standard Guide for Addressing Variability in Exposure Testing on Nonmetallic Materials

G142-98(2011) Standard Test Method for Determination of Susceptibility of Metals to Embrittlement in Hydrogen Containing Environments at High Pressure, High Temperature, or Both

G143-03(2009) Standard Test Method for Measurement of Web/Roller Friction Characteristics

G144-01(2006) Standard Test Method for Determination of Residual Contamination of Materials and Components by Total Carbon Analysis Using a High Temperature Combustion Analyzer

G145-08 Standard Guide for Studying Fire Incidents in Oxygen Systems

G146-01(2007) Standard Practice for Evaluation of Disbonding of Bimetallic Stainless Alloy/Steel Plate for Use in High-Pressure, High-Temperature Refinery Hydrogen Service

G147-09 Standard Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests

G148-97(2011) Standard Practice for Evaluation of Hydrogen Uptake, Permeation, and Transport in Metals by an Electrochemical Technique

G150-13 Standard Test Method for Electrochemical Critical Pitting Temperature Testing of Stainless Steels

G151-10 Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources

G152-06 Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

G153-04(2010) Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

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G155-05a Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials

G156-09 Standard Practice for Selecting and Characterizing Weathering Reference Materials

G157-98(2005) Standard Guide for Evaluating the Corrosion Properties of Wrought Iron- and Nickel-Based Corrosion Resistant Alloys for the Chemical Process Industries

G158-98(2010) Standard Guide for Three Methods of Assessing Buried Steel Tanks

G160-12 Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials By Laboratory Soil Burial

G161-00(2006) Standard Guide for Corrosion-Related Failure Analysis

G162-99(2010) Standard Practice for Conducting and Evaluating Laboratory Corrosions Tests in Soils

G163-10 Standard Guide for Digital Data Acquisition in Wear and Friction Measurements

G164-99(2009) Standard Test Method for Determination of Surface Lubrication on Flexible Webs

G165-99(2012) Standard Practice for Determining Rail-to-Earth Resistance

G166-00(2011) Standard Guide for Statistical Analysis of Service Life Data

G167-05(2010) Standard Test Method for Calibration of a Pyranometer Using a Pyrheliometer

G168-00(2006) Standard Practice for Making and Using Precracked Double Beam Stress Corrosion Specimens

G169-01(2013) Standard Guide for Application of Basic Statistical Methods to Weathering Tests

G170-06(2012) Standard Guide for Evaluating and Qualifying Oilfield and Refinery Corrosion Inhibitors in the Laboratory

G171-03(2009)e2 Standard Test Method for Scratch Hardness of Materials Using a Diamond Stylus

G172-03(2010) Standard Guide for Statistical Analysis of Accelerated Service Life Data

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G175-03(2011) Standard Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Regulators Used for Medical and Emergency Applications

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G177-03(2012) Standard Tables for Reference Solar Ultraviolet Spectral Distributions: Hemispherical on 37° Tilted Surface

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G188-05(2011) Standard Specification for Leak Detector Solutions Intended for Use on Brasses and Other Copper Alloys

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G199-09 Standard Guide for Electrochemical Noise Measurement

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