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Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution This standard is issued under the fixed designation G; the number immediately following the designation indicates the year of original adoption or ASTM G test. A sample is then placed in a ferric-chloride solution for a specified time period. This document is available in either Paper or PDF Designation: G-(Reapproved) 1 Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride 1 These test methods are under the jurisdiction of ASTM Committee G on Corrosion of Metals, and are the direct responsibility of Subcommittee G on Laboratory ASTM G-(Reapproved) Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride This review is concerned with assessing methods currently available to test an alloy's resistance to pitting and crevice corrosion attack. How it works: A sample coupon is polished, dimensioned and weighed before testing. ASTM-GR(E1) ASTM G() Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution. This test can also quantify the mass loss To find similar documents by ASTM Volume(Corrosion of Metals; Wear and Erosion) To find similar documents by classification(Corrosion of metals Surface treatment and coating, see) This document comes with our free Notification Service, good for the life of the document. standard by Designation: G Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution This Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution GR20EASTM[GR20E01|en-US Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution Standard G Standard Test Methods for Pitting and Crevice Corrosion ASTM G ASTM G Designation: G- Standard Test Methods for: The sample is reweighed after testing and visually examined for signs of pitting corrosion. Tables and give the compositions Scope These test methods cover procedures for the determination of the resistance of stainless steels and related alloys to pitting and crevice corrosion (see Terminology G Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution.