Download Standard Guide For Preparation Of Metallographic Specimens

Designation: G 4 — 95 Standard Guide for Conducting Corrosion Coupon Tests in Field Applications 1 This standard is issued under the fixed designation G 4; the number immediately following the designation indicates the year of1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.B487 (Standard Test Method for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of Cross Section) C633 (Standard Test Method for Adhesion or Cohesion Strength of Thermal Spray Coatings) E3 (Standard Guide for Preparation of Metallographic Specimens) E8 (Standard Test Methods for Tension Testing of Metallic Materials) E18 (Standard Test Method for Rockwell Hardness ...Metallography is the study of the structure of metals and alloys. Metallographic analysis can be used as a tool to help identify a metal or alloy, to determine whether an alloy was processed correctly, to examine multiple phases within a material, to locate and characterize imperfections such as voids or impurities, or to observe damaged or degraded areas in failure analysis investigations.