

The book was found

Experimental Study On Delamination, Mechanical Loads And Tool Wear In Drilling Of Woven Composite Laminates (ISF Publications Series)



Synopsis

The specific material properties of fiber-reinforced plastics (FRP) and their potential application for lightweight structures lead to a growing demand in the field of aircraft and automobile industry, among other things to replace conventional materials. The requirements for drilling FRP complicates safe process control, where the common wear mechanisms on the tool and the incipient damage mechanisms in the material lead to deterioration of the quality of the product. The content of this book therefore deal with the experimental exploration of the drilling process on textile reinforced carbon (CFRP) and glass fiber Epoxy (Fiberglass), so called composites. In the studies, uncoated carbide drills used with different shapes and the feed force occurring during the drilling and the drilling torque measured.

Book Information

Series: ISF Publications Series

Paperback: 143 pages

Publisher: Vulkan-Verlag (May 30, 2011)

Language: English

ISBN-10: 3802787617

ISBN-13: 978-3802787614

Product Dimensions: 5.9 x 0.7 x 8.3 inches

Shipping Weight: 1.1 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,431,603 in Books (See Top 100 in Books) #239 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Drilling Procedures #548 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology #1318 inÂ Books > Textbooks > Engineering > Industrial Engineering

[Download to continue reading...](#)

Experimental Study On Delamination, Mechanical Loads and Tool Wear in Drilling of Woven Composite Laminates (ISF Publications Series) Woven to Wear: 17 Thoughtful Designs with Simple Shapes Formulas and Calculations for Drilling, Production, and Workover, Fourth Edition: All the Formulas You Need to Solve Drilling and Production Problems Formulas and Calculations for Drilling, Production, and Workover, Third Edition: All the Formulas You Need to Solve Drilling and Production Problems A Primer of Oilwell Drilling: A Basic Text of Oil and Gas Drilling Code Check

Plumbing & Mechanical 4th Edition: An Illustrated Guide to the Plumbing and Mechanical Codes
(Code Check Plumbing & Mechanical: An Illustrated Guide) The Complete Guide to Android Wear:
Practical Tips, Tricks and Tutorials for Android Wear watches Stone Tool Use at Cerros: The
Ethnoarchaeological and Use Wear Evidence Mechanics of Composite Materials, Second Edition
(Mechanical and Aerospace Engineering Series) Experimental Psychology (PSY 301 Introduction to
Experimental Psychology) Shigley's Mechanical Engineering Design (McGraw-Hill Series in
Mechanical Engineering) The Mechanical Design Process (Mcgraw-Hill Series in Mechanical
Engineering) Fundamentals of Mechanical Vibrations: IBM PC 3.5 Version (Mcgraw Hill Series in
Mechanical Engineering) The Transplant Imaginary: Mechanical Hearts, Animal Parts, and Moral
Thinking in Highly Experimental Science Experimental Methods for Engineers (McGraw-Hill
Mechanical Engineering) PE Mechanical Engineering: Mechanical Systems and Materials Practice
Exam Mechanical Engineering Design (McGraw-Hill Mechanical Engineering) European and
American Carpets and Rugs: A History of the Hand-Woven Decorative Floor Coverings of Spain,
France, Great Britain ... Wire Jewelry Masterclass: Wrapped, Coiled and Woven Pieces Using Fine
Materials Woven into the Earth: Textile finds in Norse Greenland (None)

[Dmca](#)