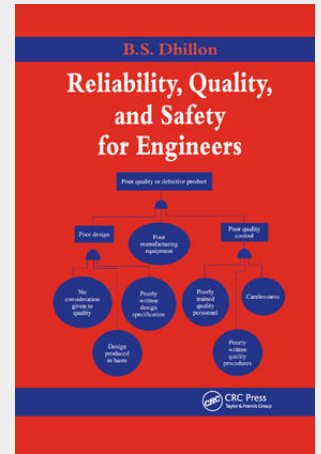


Dhillon

Reliability, Quality, and Safety for Engineers

Due to global competition, safety regulations, and other factors, manufacturers are increasingly pressed to create products that are safe, highly reliable, and of high quality. Engineers and quality assurance professionals need a cross-disciplinary understanding of these topics in order to ensure high standards in the design and manufacturing processes. Reliability, Quality, and Safety for Engineers is the first publication to integrate this information in a single source. The text begins with an introduction that discusses the need for reliability, quality and safety as well as historical information, terms, and definitions. Subsequent chapters discuss relevant mathematics, evaluation models and methods, testing, management, and costing. The author treats each topic in a comprehensive manner that requires no prior knowledge of the subject in order to understand the contents. The author includes numerous examples, problems, and solutions to test the reader's comprehension. He also lists important journals, organizations, standards, and books for further study, creating a comprehensive resource for design, system, safety and manufacturing engineers as well as reliability specialists and quality assurance professionals.



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