

The Steel Handbook

A comprehensive, up-to-date and user-friendly compendium Alok Nayar

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Reviews

This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.

(Cheyanne Barrows)

THE STEEL HANDBOOK



McGraw-Hill Education, 2009. Hardcover. Book Condition: New. 3rd edition. 19 x 25 cm. The Steel Handbook is a unique compendium that provides designers, materials engineers and other users of steel with extensive data on: # Steel Specifications # Steel Processing # Steel Selection, Testing and Purchasing This handbook contains more than 140 data sheets on the most commonly used ISO wrought steel grades. These data sheets present for each steel grade the description, typical applications, chemical composition, available product forms, CCT diagram, hardenability data, mechanical and physical properties, and hot working and heat treatment temperatures. Standards and designations from America, Britain, Germany, France, India and Japan are also cross-referenced. The book also includes the hardness-tensile strength conversion table, conversion factors for mechanical and physical properties, and directory of standards organisations and technical societies. With this comprehensive and up-to-date coverage. The Steel Handbook will be of immense value to designers, materials engineers, steel producers, manufacturing engineers, quality assurance engineers, purchasing agents, and researchers. Table of contents Chapter 1. Classification of Steels Chapter 2. Designation System for Wrought Steels Based on Steel Names Chapter 3. Phase Transformations and Microstructures in Steels Chapter 4. Heat Treatment of Steels Chapter 5. Types of Steels Chapter 6. Properties of Steels Chapter 7. Engineering Steels Chapter 8. Unalloyed steels Chapter 9. Plain carbon steels Chapter 10. High manganese carbon steels Chapter 11. Free cutting steels Chapter 12. Low Alloy Steels Chapter 13. Silicon and silicon-chromium steels Chapter 14. Manganese-vanadium steels Chapter 15. Chromium steels Chapter 16. Chromium-manganese-silicon steels Chapter 17. Chromium-molybdenum steels Chapter 18. Chromium-molybdenum-vanadium steels Chapter 19. Chromium-vanadium steel Chapter 20. Chromium-aluminium-molybdenum steels Chapter 21. Molybdenum steel Chapter 22. Nickel-chromium steels Chapter 23. Boron steels Chapter 24. Tool Steels Chapter 25. Cold Work Tool Steels Chapter 26. Unalloyed cold work tool steels Chapter 27. Alloy...



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