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Nota di contenuto	Intro -- Contents -- Preface -- About the Author -- Pure Iron -- Solutions and Phase Diagrams -- Steel and the Iron-Carbon Phase Diagram -- The Various Microstructures of Room-Temperature Steel -- Mechanical Properties -- The Low-Alloy AISI Steels -- Diffusion-A Mechanism for Atom Migration within a Metal -- Control of Grain Size by Heat Treatment and Forging -- Hardenability of Steel -- Tempering -- Austenitization -- Quenching -- Stainless Steels -- Tool Steels -- Solidification -- Cast Irons -- Surface Hardening Treatment of Steels -- Temperature Measurement -- Stainless Steels for Knifemakers -- Index.