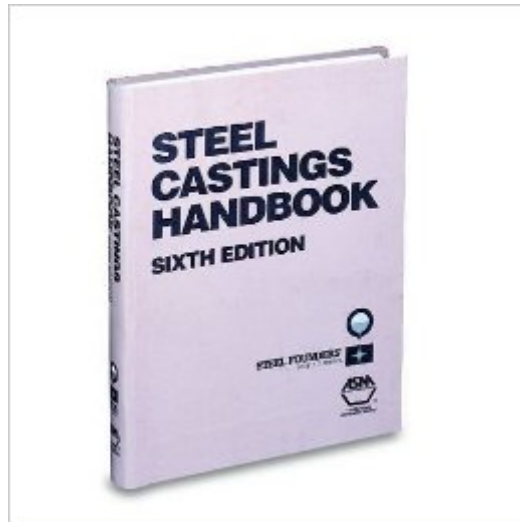


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# Steel Castings Handbook



## Synopsis

This guide tells you what you need to know about mechanical and physical properties and other pertinent information in the design and use of steel castings. Contents include: Introduction Industrial Applications Advantages Specifying Purchasing Policy Functional Considerations of Design Manufacturing Design Considerations Concurrent Engineering Engineering Drawings for Casting Production Redesign of Steel Castings Cast-Weld Construction Pattern Equipment Casting and Molding Processes Melting Finishing/Heat Treatment/Inspection Process Capability and Tolerances Quality Control and Quality Assurance Carbon and Low Alloy Steels for Pressure Containing and Structural Parts, Wear Resistant Steels Corrosion-Resistant High Alloy Steels Nickel Base Coatings Heat Resistant High Alloy Steels Low Temperature and Cryogenic Steels Hardenability and Heat Treatment Weldability and Welding Machinability Physical Properties.

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