DESCRIPTION

Welding Metallurgy and Weldability of Stainless Steels, the first book in over twenty years to address welding metallurgy and weldability issues associated with stainless steel, offers the most up-to-date and comprehensive treatment of these topics currently available. The authors emphasize fundamental metallurgical principles governing microstructure evolution and property development of stainless steels, including martensitic, ferric, austenitic, duplex, and precipitation hardening grades. They present a logical and well-organized look at the history, evolution, and primary uses of each stainless steel, including detailed descriptions of the associated weldability issues.

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FEATURES

• Emphasizes solid fundamental underpinnings of the metallurgical principles that govern microstructure evolution and property development in welded stainless steels.

• Presents many practical examples that demonstrate the application of fundamental metallurgical principles.

• Greatly expands and updates what is currently available in other texts and handbooks in the subject matter.

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