



## Welding: Principles and Practices (Fourth Edition)

By Edward R. Bohnart

McGraw Hill Education, 2014. Softcover. Book Condition: New. 4th edition. This text introduces students to a solid background in the basic principles and practices of welding. It first introduces fundamental theory of the welding process (gas arc, semi-automatic, automatic, and robotic welding) and then provides practice jobs so students develop manipulative skills and technical understanding. Metals and their welding characteristics, safety practices, welding symbols, and the fundamentals of print reading are all covered. Contents: Unit 1: Introduction to Welding and Oxyfuel Chapter 1: History of Welding Chapter 2: Industrial Welding Chapter 3: Steel and Other Metals Chapter 4: Basic Joints and Welds Chapter 5: Gas Welding Chapter 6: Flame Cutting Principles Chapter 7: Flame Cutting Practice: Jobs 7-J1-J3 Chapter 8: Gas Welding Practice: Jobs 8-J1-J38 Chapter 9: Braze Welding and Advanced Gas Welding Practice: Jobs 9-J39-J53 Chapter 10: Soldering and Brazing Principles and Practice: Jobs 10-J54-J55 Unit 2: Shielded Metal Arc Welding Chapter 11: Shielded Metal Arc Welding Principles Chapter 12: Shielded Metal Arc Welding Electrodes Chapter 13: Shielded Metal Arc Welding Practice: Jobs 13-J1-J28 Chapter 14: Shielded Metal Arc Welding Practice: Jobs 14-J26-J42 Chapter 15: Shielded Metal Arc Welding Practice: Jobs 15-J43-J55 (Plate) Chapter 16: Pipe Welding and Shielded...



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