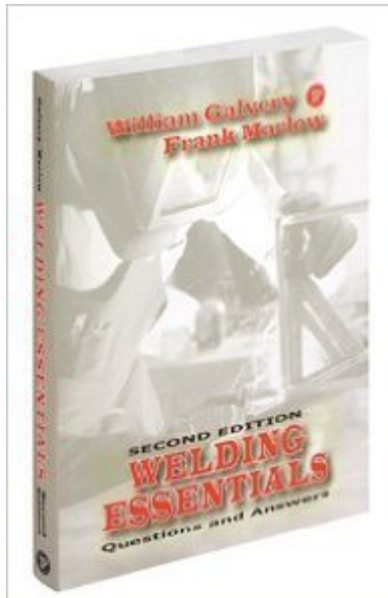


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Welding Essentials



Synopsis

As a concise yet thorough introduction to the topic, this new edition of *Welding Essentials* makes welding easy for beginners and is a handy reference for professionals. Its unique, comprehensive question-and-answer format will allow readers to quickly find what they are looking for and fully understand it. Eliminating non-essential items to prevent overloading readers, *Welding Essentials* addresses safety hazards and required precautions in detail and provides solutions to common problems for each process. Additionally, this valuable reference carefully explains step-by-step setup and shutdown procedures, along with why equipment grounding and GFI's are needed and the way in which they work. Welding tip sizes for differing metal thickness, as well as proper pressure settings for those tips and how to determine what the size is as related the non-standard numbering systems used by manufacturers. New and improved drawings throughout. Discussions on Carbon Arc Cutting with air, Plasma Arc Cutting, and Laser Cutting. More thorough information related to the proper sizing of oxy-fuel cutting tips and pressure charts, and bore drill sizes for the various tips. More thorough explanation of common welding elements. New information on the wire feeding process and more in-depth information related to the use of the tungsten electrodes. Friction stir welding process.

Book Information

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Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (18 customer reviews)

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Customer Reviews

There seems to be some disagreement on the format of this book. The author chose to present the information in a very stodgy, rigid, question and answer style of format. As a reader (or a student..)

you will either like this approach....or not. I can see both sides of this disagreement....the material is presented very factually and with supporting documentation, but the 'answers' to the questions don't allow for much discussion. While very much 'on point' there is very little room for any sort of diversion which would add to the usefulness of the book. The material is presented under major topic headings which makes it somewhat usable, although I will admit that locating specific information can be a bit tiresome. I can find no major disagreement with the information as presented. It is a fairly thorough walk (trudge..???) through the varied topics that surround welding. I found the material informative and the images quite clear in their stated purpose. There are no color images depicted, but the black/white and line drawings appear very well done. The topic headings seem well thought out and the material presented logically. So, like I said, no major faults as far as the material goes. But, therein lies some of the problem. Looking for something specific can be a major exercise and in fact, the material may not be adequately covered. This because the 'answers' are specific to very specific questions....so what do you do if the information you need is similar but not exactly as depicted in the 'question'??? I will tell you what to do.....Look somewhere else!! There are a couple of saving graces to the book. One is the more than adequate glossary. It is well done and seems quite complete.

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