



Welded Joint Design, Third Edition

By J Hicks

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Based on the European Welding Engineer (EWF) syllabus Part 3 – Construction and Design, this book provides a clear, highly illustrated and concise explanation of how welded joints and structures are designed and of the constraints which welding may impose on the design. It is therefore of value both to the welding engineer and the design engineer

Many engineers coming into the profession of welding engineering lack a background in design and construction of welded structures and plant. This book has been written with such engineers very much in mind.

The safe performance of a structure relies on materials and methods of fabrication which can respond to the explicit or implicit design requirements. It is essential that the welding engineer has the opportunity of making his specialist input to the design process, and an understanding of the basis of the design will help that contribution to be most effective. It is also important that the practising design engineer acquires a basic knowledge of the relevant aspects of welding to be able to execute satisfactory designs and, equally important, to know when to seek the input of a qualified welding engineer.

Designed for both students and practising engineers in welding and design, the book will also be of great value to civil, structural, mechanical and plant engineers. There is also much that will interest test houses, welding equipment and consumable manufacturers, classification societies and steel companies.

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Editorial Review

About the Author

John Hicks has been a specialist in welding design for 35 years. A graduate of Cambridge University, he is a Certified Welding Engineer, a Fellow of The Welding Institute, and a Fellow of the Royal Academy of Engineering. He acts as Moderator of TWI examinations for European Welding Engineer / Technologist / Specialist, and from 1990 – 1996 served as Secretary General of the International Institute of Welding.

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