



# ISO 3834

## Quality requirements for fusion welding of metallic materials (e.g. support structures)



### MOTIVATION AND BENEFITS

The series of standards ISO 3834 establishes the quality and documentation requirements to be met by a manufacturer of fusion welded components and structures.

Particularly the requirements for the needed welding personnel have reached an international agreement and are based on harmonized ISO Standards with a transition period.

#### Benefits:

- International recognition for the export of products
- Control of the defined quality of the products and their manufacturing processes
- Better utilization of human, technical and organizational resources
- Reduction of rejects, rework or additional work
- Increase in competitiveness
- Compliance with indispensable demands for the exchange of goods and the placing of welded products on the market
- Increase of customer satisfaction

### OBJECTIVES

The series of standards regulates the quality requirements placed on welding companies and establishes principles for quality assurance of welded products. It covers both, series production and individual production in all manufacturing areas, such as pipelines, construction of containers and apparatus, household and agricultural appliances, cranes, bridges or other welded components.

ISO 3834 is a binding requirement of various product standards, such as e.g. EN 1090 "Execution of support structures", pressure equipment directive or the manufacturing of railway vehicles. The fulfillment of the requirements of ISO 3834 is therefore mandatory. In other areas the fulfillment is voluntary, but in any case it is highly recommended to be able to prove the state of the art.

### TARGET GROUP

- Welding supervisors
- Welding manufacturers
- Persons in charge of the in-house production protocol acc. to EN 1090
- Inspection bodies

- Quality representatives
- Supply industry
- Training establishments

### ACCREDITATION

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH is accredited for the certification of quality requirements according to ISO 3834-2, 3 and 4.

### OTHER RELEVANT STANDARDS

EN 1090, EN 15085





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## QUALITY AUSTRIA – WHO WE ARE

We are the leading Austrian contact for the Integrated Management System, based on quality, environmental and OH&S (occupational health and safety) management, and the topic of business excellence. Our main focuses are system and product certification, training and personal certification. We are accredited by the Federal Ministry for Digital and Economic Affairs (BMDW) for system, product as well as personal certification and have many international registrations and accreditations. Furthermore, we present the Austrian Excellence Award together with the BMDW and award the Austria Quality Seal.

Additionally, we organize several forums and conferences and have issued numerous publications. We participate actively in standardization bodies and international networks such as EOQ, IQNet and

EFQM. We cooperate with some 50 partner and member organizations worldwide and thus ensure the facilitation of global know-how.

Having more than 1.000 auditors, trainers, assessors and technical experts all over the world, we ensure the successful implementation of standards and regulations within the organizations and provide sector and product specific knowledge with a very high focus on practical relevance. More than 10.000 customers in approx. 30 countries and over 6.000 annual participants in our trainings benefit from the long-standing expertise of our organization. We adapt our offer according to our clients' needs and support them in achieving their long-term goals!



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