

Quality Management of the Welding Shop



Quality Management Systems

The ISO 3834 standards place a number of requirements as a result of which welding shops must usually draw up system documentation, typically in the form of a quality manual, to enable these requirements to be complied with appropriately both from the point of view of quality and productivity.

If, in addition, the company has chosen to comply with the international ISO 9001 standard, quality control in the welding shop in accordance with ISO 3834 may be combined with this standard.

Quality management systems that comply with the relevant requirements in ISO 3834 may be certified in accordance with internationally recognized guidelines.

FORCE Certification A/S is accredited by DANAK for the certification of company quality management systems in accordance with ISO 3834 and ISO 9001.

Its value

A certified quality management system not only provides direct benefits with regard to day-to-day management, but it also ensures the confidence of customers and authorities relative to the company's ability to assure the quality of its welded products.

Quality management systems conforming to ISO 3834 qualify the company to manufacture welded products which comply with requirements in directives and the relevant product standards. As a result:

- Staff carrying out and coordinating welding work will be trained and qualified to the necessary level
- Welding processes will be qualified and documented
- The equipment used will be suitably maintained.

The goals are:

- Improved utilization of resources with the consequent reduction in costs
- Prevention of defects and deficiencies
- Enhanced customer satisfaction.

Competence

FORCE Certification A/S's auditors are selected experts in FORCE Technology and comply with strict qualification and impartiality requirements.

These qualifications contribute to the company's quality management system being assessed in accordance with the above goals, thus satisfying the management's desire for the system to contribute to an improvement in the overall performance and capabilities of the company.

The high professional level of certification and the impartiality of the auditors is constantly monitored by DANAK.

Besides certification in accordance with the ISO 3834 standards, FORCE Certification A/S also provides certification of quality management systems, environmental management systems and people, and in these areas is accredited by DANAK under Reg. Nos. 5008, 6005 and 3001.



FORCE Certification is FORCE Technology's independent certifying body.

Background

European product and construction standards refer to a suitable level of ISO 3834, which is the European series of standards for welding shop quality requirements. Danish norms also refer to ISO 3834, e.g. DS 412 for steel structures.

The ISO 3834 standards comprise the following parts:

- ISO 3834-1 Quality requirements for fusion welding of metallic materials, part 1: Guidelines for selection and use
- ISO 3834-2 Quality requirements for fusion welding of metallic materials, part 2: Comprehensive requirements
- ISO 3834-3 Quality requirements for fusion welding of metallic materials, part 3: Standard quality requirements
- ISO 3834-4 Quality requirements for fusion welding of metallic materials, part 4: Elementary quality requirements.

The ISO 3834 standards are also used together with:

- ISO 14731 Welding coordination – tasks and responsibilities.

Further information:

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Subject to changes without notice