The standard ISO 3834 defines quality requirements to be met by manufacturers of welded components and structures for the purpose of achieving international recognition. This certification is intended for businesses in the field of repair and installation which offer welding in serial and individual production. It is applicable for all welded components. In various areas, such as steel construction, railway and pressure equipment manufacturing further applicable standards apply.

The series of standards ISO 3834 regulates requirements for quality assurance of welded products. ISO 3834 distinguishes three different levels of welding quality:

- Complete quality requirements
- Standard quality requirements
- Basic quality requirements

Our experts will advise you on which level is most appropriate for your business, taking into account the complexity of your welding production.

**Your benefits at a glance**

- Certification of compliance to globally valid standards consistent with quality
- Certification customized to your business
- Proof of high quality standards
- Global competitiveness

**Why TÜV Rheinland?**

- More than 140 years of experience in testing and certification
- A presence in over 500 locations across 69 countries
- Sound knowledge of all relevant innovations for defining new standards through collaboration with research and supporting institutions
- Protection of brand integrity and strengthening of brand communication through publication on Certipedia, the TÜV Rheinland online platform documenting certified and tested products
- Comprehensive services for the construction industry
- Complete service for certification

Document the high quality of your welded products for your customers through certification according to ISO 3834.

www.tuv.com
How does certification work?

Request by manufacturer of welded components for certification to ISO 3834-2 to 4

Delivery of company documents for audit
Including:
- Application
- Informational documents
- Quote

Optional: preliminary meeting

Order confirmation

Assessment of application documents

Is the appropriate level of accreditation implemented at the company?

Yes
- Conduct audit

No
- Deviations determined
- Requirements must be met

Discussion of further actions

Evaluation of audit results

Issue certification and send to manufacturer

Certification according to DIN EN ISO 3834 may be issued for a period not exceeding 3 years.

Additional Information

EN ISO 3834-2 “Complete” Quality Requirements
In the accreditation level “complete” we review three areas in our audit:
- A quality management (QM) system must be installed and operative in the company.
- There is a welding supervisor in the company who has extensive knowledge in the areas of design, manufacture and testing of welding components, such as an international welding engineer. In addition, the responsibility and authority in accordance with DIN EN ISO 14731 must be clearly assigned to this employee.
- The welders have a valid certification in accordance with EN 287-1, ISO 9606-2. With fully mechanized and automatic welding processes, you must employ machine operators with a valid certification in accordance with EN 1418. If you offer non-destructive testing, you need certified inspection personnel in accordance with EN 473.

EN ISO 3834-3 “Standard” Quality Requirements
In the accreditation level “standard” only point 1 differs from the “complete” quality requirements.
- Here again the QM system is also a requirement. An adequately documented and effectively implemented quality-management manual (or alternatively procedural and operational instructions and other specifications) must be available. The synergy of the processes is then reviewed.
- The other points correspond to ISO 3834-2.

EN ISO 3834-4 “Basic” Quality Requirements
- The third level of accreditation does not require a QM system.
- Furthermore a welding supervisor in terms of EN ISO 14731 is not necessary.
- As a manufacturer you have the responsibility for the welding-technical part of the production and therefore, basic knowledge of the quality requirements for the required production monitoring for welding has to be demonstrated. The responsibility can, of course, be transferred to the appropriate persons, and the fulfillment of the required welding-related quality has to be specified in writing.
- The welders need a valid certification in accordance with EN 287-1, ISO 9606-2 and with fully mechanized and automatic welding processes, machine operators must have a valid certification in accordance with EN 1418.

As our client you can be sure that we are always informed of the latest in the field and apply proven techniques to find the best solution for your business. Take advantage of consistently updated information on market access, bring your products to market quicker and maximize profits.