

**Welding - Basic weld joint details in
steel - Part 2: Non internal pressurized
components**

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Non internal pressurized components

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1708-2:2000 sisaldab Euroopa standardi EN 1708-2:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1708-2:2000 consists of the English text of the European standard EN 1708-2:2000.</p> <p>This document is endorsed on 18.12.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: The purpose of this standard is to exemplify sound and accepted welded connections applicable to welded not internal pressurized steel components. It does not promote the standardization of connections that may be regarded as mandatory or restrict development in any way.</p>	<p>Scope: The purpose of this standard is to exemplify sound and accepted welded connections applicable to welded not internal pressurized steel components. It does not promote the standardization of connections that may be regarded as mandatory or restrict development in any way.</p>
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ICS 25.160.40

Võtmesõnad:

ICS 25.160.40

English version

Welding

Basic weld joint details in steel

Part 2: Not internal pressurized components

Soudage – Descriptif de base des
assemblages soudés en acier –
Partie 2: Composants non soumis à
une pression interne

Schweißen – Verbindungselemente
beim Schweißen von Stahl – Teil 2:
Nicht innendruckbeanspruchte
Bauteile

This European Standard was approved by CEN on 2000-07-30.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Standard is composed of the two following parts:

- Part 1: Pressurized components;
- Part 2: Non internal pressurized components.

1 Scope

The purpose of this European Standard is to exemplify sound and accepted welded connections applicable to welded not internal pressurized steel components. It does not promote the standardization of connections that may be regarded as mandatory or restrict development in any way. The requirements of carrying capacity, fitness for purposes, fatigue and corrosion stress are to be considered if necessary.

This standard contains examples of connections welded by the following processes (process numbers according to EN ISO 4063):

- Manual metal arc welding (111);
- self-shielded tubular-cored arc welding (114);
- Submerged arc welding (12);
- MIG welding; Metal inert gas welding (131);
- MAG welding; Metal active gas welding (135)
- Tubular cored metal arc welding with active gas shield (136);
- Tubular cored metal arc welding with inert gas shield (137);
- TIG welding; Tungsten inert gas arc welding (141).

Other processes by agreement.

Further requirements should be considered in accordance with existing application standards.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 288-3

Specification and approval of welding procedures for metallic materials – Part 3: Welding procedures tests for the arc welding of steels

EN 1792

Welding – Multilingual list of items for welding and related processes

EN ISO 4063

Welding and allied processes – Nomenclature of processes with reference numbers (ISO 4063 : 1998)

EN 12345

Welding – Multilingual terms for welded joints with illustrations

EN 22553

Welded, brazed and soldered joints – Symbolic representation on drawings (ISO 2553 : 1992)

EN 29692

Metal-arc welding with covered electrode, gas-shielded metal-arc welding and gas welding – Joint preparations for steel (ISO 9692 : 1992)

EN ISO 9692-2

Welding and allied processes – Joint preparation – Part 2: Submerged arc welding of steels (ISO 9692-2 : 1998)

3 Requirements

3.1 Selection of detail

The connections recommended are not considered to be equally suitable for all service conditions, nor is the order in which they are shown indicative of their relative characteristics. In selecting the appropriate detail to use from the several alternatives shown for each type of connection, consideration shall be given to the existing fabrication and service conditions that pertain.