



NSAI
Standards

Irish Standard
I.S. EN 10025-1:2004

Hot rolled products of structural steels - Part 1: General technical delivery conditions

I.S. EN 10025-1:2004

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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I.S. EN 10025-1:2004

National Foreword

This Irish Standard is the national version of European Standard EN 10025-1 *Hot rolled products of structural steels – Part 1: General technical delivery conditions* and includes a national annex that provides additional information and guidance to complement EN 10025-1.

The National Annex was prepared by Working Group 1 of NSAI Construction Products Standards Committee and subsequently sent for public consultation. The appended National Annex represents the final agreed text following this public consultation.

Requirements for the intended use of hot rolled products of structural steels are defined in National Annex NA of I.S. EN 10025-1.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with an Irish Standard does not of itself confer immunity from legal obligations.

In line with international standards the decimal point is shown as a comma (,) throughout this document.
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ICS 77.140.10; 77.140.50

Supersedes EN 10025:1990, EN 10113-1:1993, EN 10113-2:1993, EN 10113-3:1993, EN 10137-1:1995, EN 10137-2:1995

English version

Hot rolled products of structural steels - Part 1: General technical delivery conditions

Produits laminés à chaud en aciers de construction - Partie 1: Conditions générales techniques de livraison

Warmgewalzte Erzeugnisse aus Baustählen - Teil 1: Allgemeine technische Lieferbedingungen

This European Standard was approved by CEN on 30 September 2004.

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This European Standard exists 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.

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Foreword

This document (EN 10025-1:2004) has been prepared by Technical Committee ECISS/TC 10 "Structural steels - Grades and qualities", the secretariat of which is held by NEN.

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 May 2005, and conflicting national standards shall be withdrawn at the latest by August 2006.

This document with the Parts 2 to 6 supersedes the following documents:

EN 10025:1990 + A1:1993, *Hot rolled products of non-alloy structural steels - Technical delivery conditions.*

EN 10113-1:1993, *Hot rolled products in weldable fine grain structural steels - Part 1: General delivery conditions.*

EN 10113-2:1993, *Hot rolled products in weldable fine grain structural steels - Part 2: Delivery conditions for normalized/normalized rolled steels.*

EN 10113-3:1993, *Hot rolled products in weldable fine grain structural steels - Part 3: Delivery conditions for thermomechanical rolled steels.*

EN 10137-1:1995, *Plates and wide flats made of high yield strength structural steels in the quenched and tempered or precipitation hardened condition - Part 1: General delivery conditions.*

EN 10137-2:1995, *Plates and wide flats made of high yield strength structural steels in the quenched and tempered or precipitation hardened condition - Part 2: Delivery conditions for quenched and tempered steels.*

EN 10155:1993, *Structural steels with improved atmospheric corrosion resistance - Technical delivery conditions.*

With resolution Nr. 2/1999 ECISS/TC 10 decided to withdraw EN 10137-3:1995 "Plates and wide flats made of high yield strength structural steels in the quenched and tempered or precipitation hardened condition - Part 3: Delivery conditions for precipitation hardened steels".

The specific requirements for structural steels are given in the following Parts:

Part 2: Technical delivery conditions for non-alloy structural steels

Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels

Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels

Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance

Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the EU Construction Products Directive (89/106/EEC).

For relationship with EU Construction Products Directive (89/106/EEC), see informative Annex ZA, which is an integral part of this document.

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

1 Scope

1.1 This document specifies requirements for flat and long products (see Clause 3) of hot rolled structural steels excluding structural hollow sections and tubes. Part 1 of this document specifies the general delivery conditions.

The specific requirements for structural steels are given in the following Parts:

Part 2: Technical delivery conditions for non-alloy structural steels

Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels

Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels

Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance

Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition

The steels specified in this document are intended for use in welded, bolted and riveted structures.

1.2 This document does not apply to coated products or to steel products for general structural applications in accordance with the standards and draft standards listed in the Bibliography.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 General standards

EN 10020:2000, *Definition and classification of grades of steel.*

EN 10021:1993, *General technical delivery requirements for steel and iron products.*

EN 10025-2:2004, *Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels.*

EN 10025-3:2004, *Hot rolled products of structural steels - Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels.*

EN 10025-4:2004, *Hot rolled products of structural steels - Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels.*

EN 10025-5:2004, *Hot rolled products of structural steels - Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.*

EN 10025-6:2004, *Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition.*

EN 10027-1, *Designation systems for steels - Part 1: Steel names, principal symbols.*

EN 10027-2, *Designation systems for steels - Part 2: Numerical system.*

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