



**National Standards Authority of Ireland**

IRISH STANDARD

**I.S. EN 10250-1:2000**

ICS 77.140.85

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**OPEN DIE STEEL FORGINGS FOR GENERAL  
ENGINEERING PURPOSES - PART 1:  
GENERAL REQUIREMENTS**

*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
February 11, 2000*

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EUROPEAN STANDARD

**EN 10250-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1999

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ICS 77.140.85

English version

## Open die steel forgings for general engineering purposes - Part 1: General requirements

Pièces forgées en acier pour usage général - Partie 1:  
Exigences générales

Freiformschmiedestücke aus Stahl für allgemeine  
Verwendung - Teil 1: Allgemeine Anforderungen

This European Standard was approved by CEN on 16 July 1999.

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.

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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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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## Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 28 “Steel forgings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

The titles of the other Parts of this European Standard are:

Part 2 : Non-alloy quality and special steels

Part 3 : Alloy special steels

Part 4 : Stainless steels

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.

## 1 Scope

This Part of this European Standard specifies the general technical delivery conditions for open die forgings, forged bars, and products pre-forged and finished in ring rolling mills, for general engineering purposes.

General information on technical delivery conditions is given in EN 10021.

## 2 Normative references

This Part of EN 10250 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.

EN 287-1	Approval testing of welders. Fusion welding – Part 1: Steels
EN 288-1	Specification and qualification of welding procedures for metallic materials – Part 1: General rules for fusion welding
EN 288-2	Specification and qualification of welding procedures for metallic materials – Part 2: Welding procedure specification for arc welding
EN 288-3	Specification and qualification of welding procedures for metallic materials – Part 3: Welding procedure tests for the arc welding of steels
EN 10002-1	Metallic materials – Tensile testing – Part 1: Method of test
EN 10003-1	Metallic materials – Brinell hardness test – Part 1: Test method
EN 10020	Definition and classification of grades of steel
EN 10021	General technical delivery requirements for steel and iron products
EN 10027-1	Designation systems for steels – Part 1 : Steel names, principal symbols
EN 10027-2	Designation systems for steels – Part 2 : Numerical system
EN 10045-1	Metallic materials – Charpy impact test – Part 1: Test method
EN 10052	Vocabulary of heat treatment terms for ferrous products
EN 10079	Definition of steel products.
EN 10204	Metallic products - types of inspection documents

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