

Stål
Betegnelsesystemer
Del 2: Numerisk system

Designation systems for steels
Part 2: Numerical system

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Stål – Betegnelsessystemer Del 2: Numerisk system

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English version

Designation systems for steels – Part 2: Steel numbers

Systèmes de désignation des aciers –
Partie 2: Système numérique

Bezeichnungssysteme für Stähle –
Teil 2: Nummernsystem

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CEN

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

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Foreword

This European Standard was prepared by the ECISS Technical Committee 7 (ECISS/TC7) 'Designation of steel' the secretariat of which is UNSIDER (Ente Italiano di Unificazione Siderurgica).

It is the second part of the European Standard 'Designation systems for steel', the first part being 'Steel names'.

This European Standard EN 10027-2 was approved by CEN on 1991-12-20.

According to the Common CEN/CENELEC rules, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Contents

	Page
Foreword	
1 Scope	2
2 Normative references	3
3 Definitions	3
4 Principles	3
5 Structure of steel numbers	3
Table	
1 Steel groups	5
Annexes	
A Provisions and procedures for the allocation of steel numbers (normative)	7
B Guidance for completing Forms I and II (normative)	7

1 Scope

1.1 This Part 2 of this European Standard sets out a numbering system, referred to as steel numbers, for the designation of steel grades. It deals with the structure of steel numbers and the organization for their registration, allocation and dissemination. Such steel numbers are complementary to steel names set out in EN 10027-1.

Application of this Part 2 of the European Standard is obligatory for steels specified in European Standards. Application is optional for national steels and proprietary steels.

NOTE. Although the scope of the system is limited to steel it is structured so as to be capable of being extended to include other industrially produced materials.

1.2 Steel numbers established according to this system have a fixed number of digits (see clause 5). They are better suited for data processing than steel names established according to EN 10027-1.

1.3 For steels specified in European Standards the application for allocation of steel numbers (see A.6 to A.9) is the responsibility of the ECISS Technical Committee concerned. For national steel grades the responsibility is that of the national competent body.

NOTE. Applications from European organizations having a specific interest in the standardization of steel and steel products, e.g. AECMA, EUROFER are submitted via the ECISS Central Secretariat (see A.9).

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 as follows. 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 10020 Definition and classification of grades of steel
- EN 10027 Designation systems for steel
Part 1: Steel names, principal symbols
- EN 10079 Definition of steel products

3 Definitions

For the purpose of this Part 2 of this European Standard the definitions given in EN 10020 and EN 10079 shall apply.

4 Principles

4.1 Each steel number shall refer only to one steel grade. Conversely, each steel grade shall correspond to one steel number. Accordingly a number allocated to a steel shall not, in principle, (see 4.3) be used for any other steel grade. (See A.1 and A.2.)

4.2 Steel numbers shall be allocated by the European Registration Office in accordance with annex A.

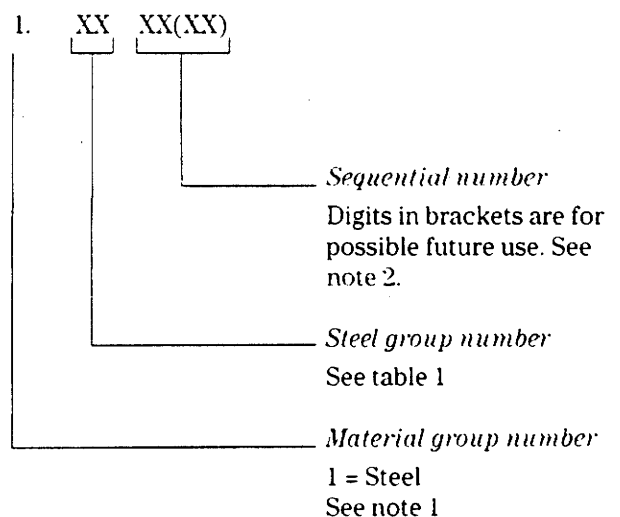
4.3 The European Registration Office (see A.9) shall revise the list of Registered Steels at appropriate intervals. The object of such revisions is to review, in cooperation with the bodies responsible for the application of steel numbers, those steel numbers for steels no longer in production. Such steel numbers are transferred to an annex to the list for a transitional period and eventually deleted. The revised list of Registered Steels is published.

Steel numbers deleted according to the above procedure may become available for re-allocation to future steel grades.

4.4 Steel numbers shall not normally be changed. If under exceptional circumstances, a change is unavoidable it shall be in accordance with 4.1, 4.2 and 4.3.

5 Structure of steel numbers

The structure of steel numbers is set out as follows:



NOTE 1. Numbers 2 to 9 may be allocated to other materials. See note to clause 1.

NOTE 2. At present the sequential number comprises two digits. Should an increase in the number of digits be necessary by reason of an increase in the number of steel grades to be considered, a sequential number of up to four digits is envisaged. In that case a revision of this Part 2 of the European Standard will be published.