BS EN 10027-2:2015



BSI Standards Publication

Designation systems for steels

Part 2: Numerical system

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National foreword

This British Standard is the UK implementation of EN 10027-2:2015. It supersedes BS EN 10027-2:1992 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/100, Steel, General Issues.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Bezeichnungssysteme für Stähle - Teil 2: Nummernsystem

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Foreword

This document (EN 10027-2:2015) has been prepared by Technical Committee ECISS/TC 100 “General issues”, 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 10027-2:1992.

In comparison with EN 10027-2:1992, the following significant changes were made:

a) in 4.3 the wording was modified;

b) in Clause 5 the number of digits for the sequential number were extended to 4 and a NOTE as well as an explanatory text were added;

c) the standard was revised editorially.

This document is the second Part of the European Standard "Designation systems for steels", the first Part being "Steel names".

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

1 Scope

1.1 This European Standard specifies 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.

This European Standard is applicable to steels specified in European Standards. This European Standard may be applied to national steels and proprietary steels.

NOTE Although the scope of the systems 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 in accordance with this system have a fixed number of digits (see Clause 5). They are better suited for data processing than steel names established in accordance with 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 specified interest in the standardization of steel and steel products (e.g. ASD, EUROFER) are submitted via the ECISS Central Secretariat (see A.9).

2 Normative references

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

EN 10020, *Definition and classification of grades of steel*

EN 10027-1, *Designation systems for steels — Part 1: Steel names*

EN 10079, *Definition of steel products*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 10020 and EN 10079 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. The revised list of registered steels is published on the internet (www.stahldaten.de).

Steel numbers deleted in accordance with the above procedure shall not be re-allocated to future steel grades.

NOTE Information concerning deleted steel grades can be received from the European Registration Office.