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BSI Standards Publication

**Continuously hot-rolled strip and plate/sheet
cut from wide strip of non-alloy and alloy
steels — Tolerances on dimensions and shape**

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National foreword

This British Standard is the UK implementation of EN 10051:2024. It supersedes BS EN 10051:2010, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/103, Structural Steels Other Than Reinforcements.

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

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

April 2024

ICS 77.140.50

Supersedes EN 10051:2010

English Version

Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape

Bandes laminées à chaud en continu et tôles issues de larges bandes en aciers alliés et non alliés - Tolérances sur les dimensions et la forme

Kontinuierlich warmgewalztes Band und Blech abgelängt aus Warmbreitband aus unlegierten und legierten Stählen - Grenzabmaße und Formtoleranzen

This European Standard was approved by CEN on 27 February 2024.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 10051:2024) has been prepared by Technical Committee CEN/TC 459/SC 3 “Structural steels other than reinforcements”, the secretariat of which is held by DIN.

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 2024, and conflicting national standards shall be withdrawn at the latest by January 2026.

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

This document supersedes EN 10051:2010.

In comparison with the previous edition EN 10051:2010, the following technical modifications have been made:

- tolerances on flatness were revised;
- options were revised, a new option for only positive thickness tolerances was introduced and the options were moved from Annex B to 4.2;
- thickness tolerances for strip and sheet/plate with minimum yield strength > 960 MPa must be agreed;
- flatness measurement revised;
- change regarding the tolerances of cropped coils;
- editorial revisions.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

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1 Scope

This document specifies tolerances on dimensions and shape for continuously hot-rolled uncoated plate/sheet and strip with a maximum width of 2 200 mm and a maximum thickness of 25 mm of non-alloy and alloy steels in accordance with Table 1 (see also Annex B). This document also applies to hot-rolled strip for cold rolling.

Table 1 — Field of application

Product	Thickness mm	Steel grades according to: (but not limited to)	
<ul style="list-style-type: none"> • wide strip (width: $600 \text{ mm} \leq w \leq 2\,200 \text{ mm}$), • sheet/plate cut from wide strip, • strip (width: $w < 600 \text{ mm}$ slit from wide strip) 	≤ 25 mm	EN 10025-2 to -6	Structural steels
		EN 10028-2 to -6	Steels for pressure purposes
		EN ISO 683-1 and 683-2	Steels for quenching and tempering
		EN ISO 683-3	Case hardening steels
		EN ISO 683-5	Nitriding steels
		EN 10111	Low carbon steel sheet and strip for cold forming
		EN 10120	Steel sheet and strip for welded gas cylinders
		EN 10149-2 and -3	High yield strength steels for cold forming
		EN 10207	Steels for simple pressure vessels
		EN 10225-1	Plates for fixed offshore structures
		EN 10338	Non-coated products of multiphase steels for cold forming
EN ISO 4957	Tool steels		

This document does not apply to:

- hot-rolled strip rolled in widths $w < 600 \text{ mm}$ (see EN 10048);
- hot-rolled patterned steel strip and plate/sheet cut from wide strip (see EN 10363);
- uncoated or electrolytically coated cold rolled sheet and strip (see EN 10131);
- hot-dip coated steel sheet and strip (EN 10143);
- stainless steels.

This document can also be used for steels from other standards, e.g. steels for shipbuilding.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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

EN 10079, *Definition of steel products*