

Specification for

# Hot-rolled flat products made of high yield strength steels for cold forming —

Part 1: General delivery conditions

The European Standard EN 10149-1:1995 has the status of a  
British Standard

ICS 77.140.10; 77.140.50

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# Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ISE/10, Flat rolled steel products, upon which the following bodies were represented:

- British Railways Board
- British Steel Industry
- Cold Rolled Sections Association
- Society of Motor Manufacturers and Traders Ltd.

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Welded Steel Tube Association
- Coated Metals Limited
- Department of the Environment (Property Services Agency)
- International Tin Research Institute
- Metal Roof Deck Association
- National Association of Steel Stockholders
- National Centre of Tribology
- Paintmakers' Association of Great Britain Ltd.
- Zinc Development Association

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 April 1996

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The following BSI references relate to the work on this standard:  
Committee reference ISE/10  
Draft for comment 93/307662 DC

ISBN 0 580 25432 1

## Amendments issued since publication

| Amd. No. | Date | Comments |
|----------|------|----------|
|          |      |          |
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# National foreword

This British Standard has been prepared by Technical Committee ISE/10 and is the English language version of EN 10149-1:1995, *Hot-rolled flat products made of high yield strength steels for cold forming — Part 1:1995 General delivery conditions*, published by the European Committee for Standardization (CEN).

This British Standard supersedes BS 1449-1.4:1991 and BS 1449-1.10:1991 which are withdrawn.

## Cross-references

| Publication referred to | Corresponding British Standard                                                                                                                                      |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN 10029:1991           | BS EN 10029:1991<br><i>Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above</i>                               |
| EN 10045:               | <i>Charpy impact test on metallic materials</i>                                                                                                                     |
| EN 10045-1:1990         | BS EN 10045-1:1990 <i>Test method (V- and U- notches)</i>                                                                                                           |
| EN 10051:1991           | BS EN 10051:1992 <i>Specification for continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels. Tolerances on dimensions and shape</i> |
| EN 10020:1988           | BS EN 10020:1991 <i>Definition and classification of grades of steels</i>                                                                                           |
| EN 10021:1993           | BS EN 10021:1993 <i>General technical delivery requirements for steel and iron products</i>                                                                         |
| EN 10027:               | BS EN 10027 <i>Designation systems for steel</i>                                                                                                                    |
| EN 10027-1:1992         | Part 1:1992 <i>Steel names, principal symbols</i>                                                                                                                   |
| EN 10027-2:1991         | Part 2:1992 <i>Steel numbers</i>                                                                                                                                    |
|                         | BS EN 10002: <i>Tensile testing of metallic materials</i>                                                                                                           |
| EN 10002-1:1990         | BS EN 10002-1:1990 <i>Method of test at ambient temperature</i>                                                                                                     |
| EN 10002-2:1992         | BS EN 10002-2:1992 <i>Verification of the force measuring system of the tensile testing machine</i>                                                                 |
| EN 10052:1993           | BS EN 10052:1994 <i>Vocabulary of heat treatment terms for ferrous products</i>                                                                                     |
| EN 10079:1992           | BS EN 10079:1993 <i>Definition of steel products</i>                                                                                                                |
| EN 10163:               | BS EN 10163: <i>Specification for delivery requirements for surface conditions of hot rolled steel plates, wide flats and sections</i>                              |
| EN 10163-1:1991         | Part 1:1991 <i>General requirements</i>                                                                                                                             |
| EN 10163-2:1991         | Part 2:1991 <i>Plates and wide flats</i>                                                                                                                            |
| EN 10164:1993           | BS EN 10164:1993 <i>Steel products with improved deformation properties perpendicular to the surface of the products. Technical delivery conditions</i>             |
| EN 10204:1991           | BS EN 10204:1991 <i>Metallic products. Types of inspection documents</i>                                                                                            |
| EURONORM 12:1955        | BS 1639:1964 <i>Methods for bend testing of metals</i>                                                                                                              |

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## Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 10 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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ICS 77.140.10; 77.140.50

Descriptors: Iron and steel products, hot rolled products, alloy steels, high yield strength steels, cold-working, metal rolling, designation, classifications, grades: quality, chemical composition, delivery condition, mechanical properties, inspection, tests, marking

English version

# Hot-rolled flat products made of high yield strength steels for cold forming Part 1: General delivery conditions

Produits plats laminés à chaud en aciers à  
haute limite d'élasticité pour formage à  
froid —  
Partie 1: Conditions générales de livraison

Warmgewalzte Flacherzeugnisse aus Stählen  
mit hoher Streckgrenze zum Kaltumformen —  
Teil 1: Allgemeine Lieferbedingungen

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## CEN

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

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