

BRITISH STANDARD 1449: PART 3A 1964

BS 1449-3A

SPECIFICATION FOR

STEEL PLATE

SHEET & STRIP

Part 3A: Requirements for
uncoated steel

BRITISH STANDARDS INSTITUTION

SPECIFICATION FOR
STEEL PLATE, SHEET & STRIP

Part 3A. Hot rolled mild and
carbon steel strip

B.S. 1449 : Part 3A : 1964

Price 6/- net

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THIS BRITISH STANDARD, having been approved by the Iron and Steel Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 28th February, 1964.

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First revision, January 1956.

Second revision, February, 1964.

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 4000, indexed and cross-indexed for reference, together with an abstract of each standard, will be found in the Institution's Yearbook, price 15s.

This standard makes reference to the following British Standards:

B.S. 18. Tensile testing of metals.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following B.S.I. references relate to the work on this standard:
Committee reference ISE/10 and ISE/10/4
Draft for comment D63/2414

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CO-OPERATING ORGANIZATIONS

The Iron and Steel Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Admiralty
 *Alloy Steels Association
 British Bolt, Nut, Screw and Rivet Federation
 British Cast Iron Research Association
 British Constructional Steelwork Association
 British Electrical and Allied Manufacturers' Association
 *British Iron & Steel Federation
 British Ironfounders' Association
 British Mechanical Engineering Federation
 *British Railways Board
 British Steel Castings Research Association
 Council of Ironfoundry Associations
 Council of Iron Producers
 Crown Agents for Oversea Governments and Administrations
 Engineering Equipment Users' Association
 Federation of Civil Engineering Contractors
 Institute of British Foundrymen
 Institute of Iron and Steel Wire Manufacturers
 Institute of Marine Engineers
 Institution of Civil Engineers
 Institution of Mechanical Engineers (Automobile Division)
 Institution of Structural Engineers
 Iron and Steel Board
 Iron and Steel Institute
 Joint Iron Council
 Lloyd's Register of Shipping
 Ministry of Aviation
 Ministry of Labour (H.M. Factory Inspectorate)
 Ministry of Transport
 National Association of Drop Forgers and Stampers
 National Ironfounding Employers' Federation
 National Physical Laboratory (D.S.I.R.)
 Oil Companies Materials Association
 Royal Institute of British Architects
 Shipbuilding Employers' Federation
 Society of British Aircraft Constructors
 *Society of Motor Manufacturers and Traders Ltd.
 *War Office

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Bright Bolt and Nut Manufacturers' Association
 Cold Rolled Sections Association
 Federation of Manufacturers of Construction Equipment
 Institute of Sheet Metal Engineering
 Institution of Engineering Inspection
 Institution of Production Engineers
 London Transport Board
 Ministry of Public Building and Works
 Stainless Steel Fabricators Association of Great Britain

BRITISH STANDARD SPECIFICATION FOR

STEEL PLATE, SHEET AND STRIP

Part 3A. Hot rolled mild and carbon steel strip

FOREWORD

This revised British Standard has been prepared under the authority of the Iron and Steel Industry Standards Committee.

Previous editions of this standard have been issued as one comprehensive document covering all forms of material including stainless and heat resisting steels, and all methods of production.

To provide for changes in the methods of production and to introduce more detailed information, particularly concerning methods of manufacture and the tolerances to be expected from each of the types of plate, sheet and strip in common production, it has been decided to issue this revision in the following separate parts:

Part 1A. Carbon steel plate and coil rolled by the continuous process.

Part 1B. Carbon steel sheet and coil rolled by the continuous process.

Part 2A. Carbon steel plate rolled by the non-continuous process.

Part 2B. Carbon steel sheet rolled by the non-continuous process.

Part 3A. Hot-rolled mild and carbon steel strip.

Part 3B. Cold-rolled mild and carbon steel strip.

Part 4. Stainless and heat-resisting plate, sheet and strip.

NOTE 1. Where metric equivalents are stated the figures in British units are to be regarded as the standard. The metric conversions are approximate. More accurate conversions should be based on the tables in B.S. 350 'Conversion factors and tables'.

NOTE 2. In place of the customary, but incorrect use of the ton and kilogramme as units of force, the units called ton-force (abbreviation tonf) and kilogramme-force (abbreviation kgf) have been used in this standard. These are the forces which, when acting on a body of mass one ton or one kilogramme respectively, give it an acceleration equal to that of standard gravity.

SPECIFICATION

SECTION ONE: GENERAL REQUIREMENTS

SCOPE

1. This part of B.S. 1449 specifies requirements for hot-rolled mild and carbon steel strip having a width not greater than 24 in (600 mm). The thicknesses of strip covered by this part are indicated in Table 1. The strip should be ordered