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BRITISH STANDARD 24 PARTS 1954

RAILWAY
ROLLING STOCK
MATERIAL

PART 5: COPPER



BRITISH STANDARDS INSTITUTION

BRITISH STANDARD SPECIFICATION

RAILWAY
ROLLING STOCK
MATERIAL

PART 5 : COPPER

B.S. 24 : Part 5 : 1954

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BRITISH STANDARDS INSTITUTION

INCORPORATED BY ROYAL CHARTER

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to B.S. 24 : Part 5 : 1954

Railway rolling stock material

Part 5 : Copper

Specification No. 12

Copper rod for locomotive stay bolts, rivets, etc.

Corrigendum

Clause 2. Definition. In line 4, for 'separate' substitute 'straight'.

Revision

Clause 5. Freedom from defects. Delete and substitute:

'The rod shall be clean, smooth and free from piping and other harmful defects. The character of extruded material shall be ascertained by nicking and breaking each end from every complete extruded length per billet. The character of rolled material shall be ascertained by breaking off a small portion from one finished rod in twenty five'.

Clause 6. Tolerances. Amend the opening sentence to read:

'The diameter of the rod shall be uniform and as specified within the following tolerances:'

THIS BRITISH STANDARD, having been approved by the Non-Ferrous Metals Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 9th March, 1954.

First published as part of B.S. 24 in 1906.

First revision in 1907.

First published as B.S. 24: Part 5, December, 1911.

First revision, February, 1925.

Second revision, May, 1943.

Third revision, March, 1954.

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 2000, indexed and cross-indexed for reference, together with an abstract of each standard, will be found in the Institution's Yearbook, price 12s. 6d.

This Standard makes reference to the following British Standards:—

B.S. 18 Tensile testing of metals.

B.S. 1173 Tough pitch arsenical copper.

B.S. 1174 Phosphorus deoxidized arsenical copper.

B.S. 1420 Glossary of terms applicable to wrought products in copper, zinc, brass and other copper alloys.

B.S. 1499 Sampling non-ferrous metals.

B.S. 1800 Methods for the analysis of raw copper.

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.

NFE/11

NFE/17

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CO-OPERATING ORGANIZATIONS

The Non-Ferrous Metals 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
- Aluminium Development Association
- Aluminium Industry Council
- Association of Bronze and Brass Founders
- Association of Consulting Engineers Incorporated
- *Association of Non-Ferrous Metals Stockists
- *Brass and Copper Tube Association
- Brass Wire Association
- British Bronze and Brass Ingot Manufacturers' Association
- *British Electrical and Allied Manufacturers' Association
- *British Non-Ferrous Metals Research Association
- Cable Makers' Association
- *Cold Rolled Brass and Copper Association
- *Copper Development Association
- Crown Agents for the Colonies
- General Post Office
- *High Commission of India
- High Conductivity Copper Association
- Institute of British Foundrymen
- *Institute of Metals
- Institution of Mechanical Engineers (Automobile Division)
- Institution of Mining and Metallurgy
- Institution of Structural Engineers
- Lead Sheet and Pipe Manufacturers' Federation
- Light Metal Founders' Association
- London Metal Exchange
- *Manufactured Copper Association
- *Ministry of Supply
- National Brassfoundry Association
- Nickel Silver Association
- Royal Institute of British Architects
- Sheet-Makers' Conference
- Society of British Aircraft Constructors
- Tin Research Institute
- Zinc Development Association
- Individual manufacturers

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:—

- British Electricity Authority and Area Boards
- British Railways, The British Transport Commission
- Copper Tube Fittings Manufacturers' Association
- Distributors of Builders' Supplies Joint Council
- Gas Council
- Institution of Gas Engineers
- Institution of Mechanical Engineers
- Lloyd's Register of Shipping
- Ministry of Works
- National Physical Laboratory
- Oil Companies Materials Committee
- Society of British Gas Industries
- Individual manufacturers