BRITISH STANDARD

BS 2901-5: 1990

Filler rods and wires for gas-shielded arc welding —

Part 5: Specification for nickel and nickel alloys

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Welding Standards Policy Committee (WEE/-) to Technical Committee WEE/39, upon which the following bodies were represented:

Aluminium Federation
Association of Welding Distributors
British Association for Brazing and Soldering
British Compressed Gases Association
British Constructional Steelwork Association Ltd.
British Shipbuilders
British Steel Industry
Electricity Supply Industry in England and Wales
Engineering Equipment and Materials Users' Association
Power Generation Contractors' Association (BEAMA Ltd.)
Process Plant Association
Welding Institute
Welding Manufacturers' Association (BEAMA Ltd.)
Coopted members

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

British Non-ferrous Metals Federation
British Nuclear Fuels Limited
British Railways Board
British Steel Industry (Wire Section)
Stainless Steel Wire Industry Association
United Kingdom Atomic Energy Authority

This British Standard, having been prepared under the direction of the Welding Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 30 September 1990

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Foreword

This revision of this Part of BS 2901 has been prepared under the direction of the Welding Standards Policy Committee. BS 2901 is published in Parts covering the following types of consumables.

a) *Part 1: covers ferritic steels*;

b) *Part 2: covers stainless steels*;

c) *Part 3: covers copper and copper alloys*;

d) *Part 4: covers aluminium and aluminium alloys and magnesium alloys*;

e) *Part 5: covers nickel and nickel alloys*.

This Part of BS 2901 supersedes BS 2901-5:1983 which is withdrawn.

In accordance with current practice, in deciding on the dimensions of wires and reels, account has been taken of appropriate ISO (International Organization for Standardization) specifications.

Although the rods and wires specified in this Part of BS 2901 are all suitable for some form of gas-shielded arc welding, certain rods and wires are not suitable for use with particular shielding gases. The chemical composition of the deposited weld metal is not specified because this depends on the shielding gas used and the particular welding conditions. It is necessary, therefore, to ascertain from the supplier whether the rods or wires are suitable for use with a particular shielding gas. Also for some applications a particular chemical composition may need to be selected from the range specified for the appropriate type of rod or wire.

In this revision six additional alloys have been included.

Product certification. Users of this British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard based on testing and continuing surveillance, which may be coupled with assessment of a supplier's quality systems against the appropriate Part of BS 5750.

Enquiries as to the availability of third party certification schemes will be forwarded by BSI to the Association of Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of Association members.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover 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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