

Specification for

# General purpose galvanized steel wire strand

Confirmed  
January 2011

# 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:

|                                                       |                                                                 |
|-------------------------------------------------------|-----------------------------------------------------------------|
| British Cast Iron Research Association                | Lloyds Register of Shipping                                     |
| British Constructional Steelwork Association          | Ministry of Defence, Army Department                            |
| British Ironfounders' Association                     | Ministry of Defence                                             |
| British Mechanical Engineering Confederation          | National Association of Drop Forgers & Stampers                 |
| British Steel Industry*                               | National Physical Laboratory (Department of Trade and industry) |
| Council of Iron Producers                             | Oil Companies' Materials Association                            |
| Council of Ironfoundry Associations                   | Royal Institute of British Architects                           |
| Department of Employment                              | Shipbuilders' & Repairers' National Association                 |
| Department of Trade and Industry (Marine Division)    | Society of Motor Manufacturers & Traders Limited*               |
| Engineering Equipment Users' Association              | Stainless Steel Development Association                         |
| Federation of Civil Engineering Contractors           | Steel Castings Research and Trade Association                   |
| Institute of British Foundrymen                       | Tank & Industrial Plant Association                             |
| Institute of Iron & Steel Wire Manufacturers*         | Tin Research Institute                                          |
| Institute of Marine Engineers                         | Water-Tube Boilermakers' Association                            |
| Institution of Mechanical Engineers (Automobile Div.) |                                                                 |
| Institution of Production Engineers                   |                                                                 |
| Institution of Structural Engineers                   |                                                                 |

The 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:

|                                                                                                      |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Alloy & Stainless Steel Conference                                                                   | Fencing Contractors' Association            |
| British Bolt, Nut, Screw & Rivet Federation                                                          | Institution of Engineering Inspection       |
| British Railways Board                                                                               | Post Office                                 |
| British Wire Netting Association                                                                     | Society of Chain Link Fencing Manufacturers |
| Electric Cable Makers' Confederation                                                                 | Spring Research Association                 |
| Electricity Council, The Central Electricity Generating Board and the Area Boards in England & Wales | An individual firm                          |

This British Standard, having been approved by the Iron and Steel Industry Standards Committee, was published under the authority of the Executive Board on 19 June 1972

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## Amendments issued since publication

| Amd. No. | Date of issue  | Comments                              |
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| 3119     | July 1979      |                                       |
| 6535     | September 1991 | Indicated by a sideline in the margin |
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|          |                |                                       |

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## Foreword

This standard makes reference to the following British Standards:

BS 443, *Specification for testing zinc coatings on steel wire and for quality requirements*.

BS 4545, *Methods for mechanical testing of steel wire*.

BS 6000, *Guide to the use of BS 6001, "Sampling procedures and tables for inspection by attributes"*.

BS 6001, *Sampling procedures and tables for inspection by attributes*.

This metric revision of BS 183, which has been prepared under the authority of the Iron and Steel Industry Standards Committee, replaces the 1938 edition of the standard which was published with BS 182 and BS 184 under one cover.

In reviewing the scope of the previous edition entitled "*Galvanized stay strand for telegraph and telephone purposes*", it became apparent that the standard had been used beyond its normal scope. The limited use of signalling strand conforming to BS 163-1 brought into question the need for the continued existence of a separate standard. This metric revision has therefore been extended to cover a wider range of strands and to incorporate the requirements of BS 163-1 which will now be withdrawn.

In recognition of the variety of uses of strand, the title has been changed to incorporate this and it is intended to cover such uses as:

- 1) suspension of telecommunication cables;
- 2) stay strand for poles supporting overhead cables, domestic TV aerials and similar applications;
- 3) signalling strand.

The standard does not specify requirements for strands used in major civil engineering works, such as prestressed concrete, suspension bridges and TV and radio transmission masts.

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.