

Specification

Steel spring washers for general engineering and automobile purposes

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Co-operating organizations

The Mechanical Engineering 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*	Institute of Marine Engineers
Air Ministry	Institute of Petroleum
Associated Offices Technical Committee	Institution of Civil Engineers
Association of Consulting Engineers	Institution of Gas Engineers
(Incorporated)	Institution of Heating and Ventilating
British Chemical Plant	Engineers
Manufacturers' Association	Institution of Mechanical Engineers
British Compressed Air Society	Institution of Mechanical Engineers
British Electrical and Allied	(Automobile Division)
Manufacturers' Association*	Institution of Production Engineers*
British Engineers Association*	Locomotive Manufacturers Association*
British Internal Combustion Engine	Machine Tool Trades Association*
Manufacturers' Association*	Ministry of Fuel and Power
British Iron and Steel Federation*	Ministry of Labour and National Service
British Railways, The Railways	(Factory Department)
Executive*	Ministry of Supply*
Crown Agents for the Colonies*	Ministry of Transport
Department of Scientific and	Ministry of Works
Industrial Research	Office of the High Commissioner for India*
Engineering Equipment Users	War Office
Association*	

The Government departments and scientific and industrial organizations marked with and 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	General Post Office
Association	Institution of Naval Architects
Bright Steel Bar Association	Metal Thread Screw Manufacturers
British Constructional Steelwork	Association
Association	National Physical Laboratory
British Cycle and Motor Cycle	Oil Companies Materials Committee
Manufacturers and Traders	Society of Motor Manufacturers and
British Steel Wire Industries Association	Traders
Cold Headed Heat Treated Bolt Association	Washer Manufacturers' Association
Coil Spring Federation Research	Bolt and Nut Manufacturers
Organization	Spring Washer Manufacturers
Council of British Manufacturers of	
Petroleum Equipment	

This British Standard, having been approved by the Mechanical Engineering Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 26th November 1951

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Foreword

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvement 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.

This British Standard has been prepared under the authority of the Mechanical Engineering Industry Standards Committee, in response to a request from the Society of Motor Manufacturers and Traders.

Steel spring washers have been standardized overseas, mainly in the railway field, while standardization in this country has concentrated on the aircraft industry, in which special attention to the degree of flatness of faces has been necessary. It has, therefore, been found advisable to differentiate between steel spring washers intended for aircraft work and those for automobile and general engineering purposes, with which this British Standard is concerned.

The term "lock washer" has been omitted from the title and text of the standard as it has been agreed that a "spring washer" is not necessarily a "lock washer." Certain types of spring washer are available to which the latter term does apply, and, since details of them are not included in the specification, it is considered that the use of the term would be misleading.

The standard is primarily concerned with dimensions, but to assist in reducing the wide range of stock sections of wire, only one dimensional grade has been given for each of types A, B and D. Clauses relating to material, heat treatment, hardness and certain test requirements are also included.

In accordance with BSI policy concerning the introduction of metric standards, this imperial standard has been declared obsolescent. It will be made obsolete in due course.

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.