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Specification for

Flexible couplings for power transmission

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:

Associated Offices Technical Committee	Engineering Equipment Users' Association*
Association of Consulting Engineers	Gas Council
Association of Hydraulic Equipment Manufacturers Ltd.	Institution of Civil Engineers
Association of Mining Electrical and Mechanical Engineers	Institution of Gas Engineers
British Chemical Plant Manufacturers' Association	Institution of Heating and Ventilating Engineers
British Compressed Air Society	Institution of Mechanical Engineers
British Electrical and Allied Manufacturers' Association	Institution of Mechanical Engineers (Automobile Division)
British Gear Manufacturers' Association*	Institution of Plant Engineers
British Internal Combustion Engine Manufacturers' Association	Institution of Production Engineers
British Mechanical Engineering Confederation*	Locomotive and Allied Manufacturers' Association of Great Britain
British Pump Manufacturers' Association*	London Transport Executive
British Steel Industry*	Machine Tool Trades Association
Crown Agents for Oversea Governments and Administrations	Ministry of Defence
Department of Employment and Productivity (H.M. Factory Inspectorate)	Ministry of Defence, Army Department
Department of the Environment	National Coal Board
Department of Trade and Industry	National Physical Laboratory (Department of Trade and Industry)
Department of Trade and Industry — National Engineering Laboratory	Royal Institute of British Architects
Electricity Council, the Central Electricity Generating Board and the Area Boards in England and Wales	Telecommunications Engineering Manufacturing Association
	Water Tube Boilermakers' Association

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.

Association of British Correspondence Colleges	Institute of Marine Engineers
Council of British Manufacturers of Petroleum Equipment	

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Foreword

This standard makes reference to the following British Standards and Code of Practice.

BS 1649, *Guards for shaft couplings*.

BS 3692, *ISO metric precision hexagon bolts, screws and nuts*.

BS 3763, *The International System of units (SI)*.

BS 4168, *Hexagon socket screws and wrench keys — metric series*.

BS 4183, *Machine screws and machine screw nuts — metric series*.

BS 4235, *Metric keys and keyways — Part 1: Parallel and taper keys*.

BS 4320, *Metal washers for general engineering purposes*.

BS 4464, *Spring washers for general engineering and automobile purposes (metric series)*.

BS 4500, *ISO limits and fits*.

BS 4506, *Shaft ends*.

BS, *Shaft fitment bores*¹⁾.

CP 3004, *Guarding of machinery*.

The first edition of this standard published in 1959 entitled “*Characteristics of flexible couplings for power transmission*” was prepared under the authority of the Mechanical Engineering Industry Standards Committee and related to mechanical devices for flexibly coupling a driving to a driven shaft other than those devices properly referred to as flexible shafts or universal joints.

The purpose of this standard, which is prepared under the same authority, is to bring together, under a more appropriate title, information of assistance to those engaged in choosing couplings.

It is not the intention to establish a dimensional standard for flexible shaft couplings.

The following related standard has also been published:

BS 3092, *Dimensions of main friction clutches, main power-take-off assemblies and associated attachments for i.c. engines*.

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 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.

¹⁾ In course of preparation.