

Specification for

Dimensions of spur and helical geared motor units (metric series)

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

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:

Association of Crane Makers	Milling Cutter & Reamer Association
British Ship Research Association	Navy and Vickers Gearing Research Association
Institute of British Foundrymen	North East Coast Institution of Engineers and Shipbuilders
Institution of Engineers and Shipbuilders in Scotland	Society of Motor Manufacturers and Traders
Institution of Engineering Inspection	Underfeed Stoker Makers Association
Ministry of Defence, Navy Department	

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Foreword

This standard makes reference to the following British Standards:

BS 1916, *Limits and fits for engineering*.

BS 3979, *Dimensions of electric motors (metric series)*.

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

BS 4506, *Shaft ends (metric units)*.

BS . . . ¹⁾, *Shaft centre heights (metric units)*.

This British Standard has been prepared under the authority of the Mechanical Engineering Industry Standards Committee, following a proposal submitted by the British Gear Manufacturers' Association.

The standard specifies installation dimensions of reduction gear units of the spur and helical type for use with standard metric series flanged-mounted motors in which the output shaft is co-axial with the motor shaft. It does not in general relate to performance, temperature rise, design or materials.

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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.

¹⁾ In course of preparation.