

Specification for

Dimensions of worm gear units

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	Institution of Mechanical Engineers*
Association of Consulting Engineers*	Institution of Mechanical Engineers
Association of Mining Electrical and Mechanical Engineers*	(Automobile Division)
Board of Trade	Institution of Production Engineers*
British Chemical Plant Manufacturers' Association	Locomotive and Allied Manufacturers' Association of Great Britain
British Compressed Air Society	London Transport Board
British Electrical and Allied Manufacturers' Association*	Machine Tool Trades Association*
British Gear Manufacturers' Association*	Ministry of Defence
British Internal Combustion Engine Manufacturers' Association	Ministry of Defence, Army Department*
British Mechanical Engineering Federation	Ministry of Labour (H.M. Factory Inspectorate)
British Pump Manufacturers' Association	Ministry of Power
Crown Agents for Oversea Governments and Administrations	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* Gas Council	Ministry of Technology — National Engineering Laboratory*
Institute of Marine Engineers*	Ministry of Transport
Institution of Civil Engineers	National Coal Board*
Institution of Gas Engineers	National Physical Laboratory (Ministry of Technology)
Institution of Heating and Ventilating Engineers	Radio Industry Council
	Royal Institute of British Architects
	"The Steel Industry"

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:

British Ship Research Association	North East Coast Institution of Engineers and Shipbuilders
Institute of British Foundrymen	Society of Motor Manufacturers and Traders Ltd.
Institution of Engineering Inspection	Underfeed Stoker Makers Association
Institution of Engineers and Shipbuilders in Scotland	University of Sheffield
Ministry of Defence, Navy Department	
Navy and Vickers Gearing Research Association	

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 10 April 1968

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Foreword

This standard makes reference to the following British Standards:

BS 46, *Keys and keyways and taper pins — Part 1: Keys and keyways*.

BS 721, *Worm gearing*.

BS 1916, *Limits and fits for engineering — Part 1: Limits and tolerances*.

This British Standard, which was first published in 1958, has been revised under the authority of the Mechanical Engineering Industry Standards Committee at the request of the Engineering Equipment Users Association. Close collaboration has been maintained with the British Gear Manufacturers Association, and acknowledgement is here made for the assistance given.

Whereas the 1958 edition was confined to three sizes of worm gear units, the current edition meets present day demands by specifying installation dimensions for eight sizes of unit using worm gearing produced in conformity with BS 721, “*Worm gearing*”.

The question of providing a separate standard in metric units is being studied, but, for technical reasons, production of this is dependent on the preparation of a standard for metric worm gearing, in parallel with BS 721.

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.

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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.