

Specification for

Tyres for crane rail wheels —

**Part 1: Double-flanged parallel-tread
tyres**

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*	High Commission of India*
Air Ministry	Institute of Marine Engineers
Associated Offices' Technical Committee*	Institute of Petroleum
Association of Consulting Engineers	Institution of Civil Engineers*
(Incorporated)	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 Engineers' Association	Institution of Production Engineers*
British Gear Manufacturers Association	Locomotive and Allied Manufacturers' Association of Great Britain
British Internal Combustion Engine Manufacturers' Association	Machine Tool Trades Association
British Iron and Steel Federation*	Ministry of Labour and National Service (Factory Inspectorate)*
British Railways, The British Transport Commission	Ministry of Power*
Crown Agents for Overseas Governments and Administrations*	Ministry of Supply*
D.S.I.R. — Mechanical Engineering Research Laboratory	Ministry of Transport and Civil Aviation*
Electricity Council, the Generating Board and the Area Boards in England and Wales	Ministry of Works
Engineering Equipment Users' Association	National Coal Board
Gas Council	National Physical Laboratory (D.S.I.R.)
	Radio Industry council
	War Office*

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:—

Aluminium Development Association	Excavator Makers' Association
Association of Crane Makers	Federation of Civil Engineering Contractors
British Constructional Steelwork Association	Institute of Welding
British Iron and Steel Research Association	Institution of Engineering Inspection
Contractors Plant Association	Institution of Structural Engineers
D.S.I.R. — Building Research Station	National Federation of Building Trades Employers
Dock and Harbour Authorities Association	
Docks Division, The British Transport Commission	

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Foreword

This standard makes reference to the following British Standard:

BS 240, *Brinell hardness testing — Part I: Method and tables for Brinell hardness testing*.

The purpose of this British Standard, which it is hoped will be the first of a series on crane components, is to limit the range of tyres for crane rail wheels, and standardize dimensions and tolerances in order to facilitate production.

The first part of this standard deals with double-flanged parallel-tread tyres and is being issued separately to meet the demand for at least one standard type of crane-wheel tyre at the earliest opportunity.

The necessary clearances between the flanges and the rail have been taken into account. The dimensions specified are finished sizes for new tyres (except for the bore, which has an allowance for finishing-machining to fit the centre). Allowance has been made for wear on treads and flanges.

The standardization of crane rails is now under consideration.

NOTE Where metric equivalents have been given, the figures in British units are to be regarded as the standard. The metric conversions are approximate. More accurate conversions should be based on the tables in BS 350, "*Conversion factors and tables*".

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 7 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.