

Implementation of
ISO 6446:1994

Rubber products — Bridge bearings — Specification for rubber materials

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PRI/73, Industrial rubber products, upon which the following bodies were represented:

- British Rubber Manufacturers' Association
- British Structural Bearing Manufacturers' Association
- Building Employers' Federation
- Department of Transport (Highways Agency)
- Institute of Biomedical Science
- Institution of Structural Engineers
- Malaysian Rubber Producers' Research Association
- Ministry of Defence
- Royal Society of Chemistry

This British Standard, having been prepared under the direction of the Sector Board for Materials and Chemicals, was published under the authority of the Standards Board and comes into effect on 15 June 1996

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National foreword

This British Standard reproduces verbatim ISO 6446:1994 and implements it as the UK national standard.

This British Standard is published under the direction of the Sector Board for Materials and Chemicals whose Technical Committee PRI/73 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

Additional information

This standard has been issued to provide an internationally recognized material specification for the rubber used in elastomeric bridge bearings. It is not intended as an alternative to BS 5400-9.2:1983 which details the national requirements for materials, manufacture and installation of bridge bearings. Nor is it intended as an alternative to the forthcoming European specifications for these products. BS 5400-9.2 contains requirements relevant to the UK climate and the European specifications address European needs and thus do not cater for bridge bearings used in other climates.

This standard does not specify design considerations and tests undertaken on finished bearings; for these, reference should be made to other relevant standards.

This standard contains a number of options to accommodate differences in specifications and requirements between countries and between regions. Attention is drawn to clause 7 which lists the minimum requirements for a specification.

Note that the requirements for grades 3 and 4 relating to low temperature resistance are identical. When a material is formulated for these grades, consideration should be given to the longer period of use at sub-zero temperatures applying to grade 4 (see 4.3.2). Such exposure will normally call for a rubber compound that has adequate resistance to low temperature crystallization and so is resistant to stiffening on storage. It is intended that a suitable test for low temperature crystallization will be incorporated in the next revision of this standard.

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, the ISO title page, pages ii to iv, pages 1 to 8 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.

INTERNATIONAL STANDARD

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Rubber products — Bridge bearings — Specification for rubber materials

*Produits en caoutchouc — Appuis de pont — Spécification des matériaux
en caoutchouc*



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