

**Piston rings
up to 200 mm diameter
for reciprocating
internal combustion
engines:
Specification for half
keystone rings**

Committees responsible for this Draft for Development

The preparation of this Draft for Development was entrusted by the Machinery and Components Standards Policy Committee (MCE/-) to Technical Committee MCE/14, upon which the following bodies were represented:

- Association of Consulting Engineers
- British Railways Board
- Ministry of Defence
- Society of Motor Manufacturers and Traders Limited

This Draft for Development having been prepared under the direction of the Machinery and Components Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 May 1992

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The following BSI references relate to the work on this standard:
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National foreword

This Draft for Development has been prepared under the direction of the Machinery and Components Standards Policy Committee and is identical with ISO/TR 6624-2:1988 “*Internal combustion engines — Piston rings — Part 2: Half-keystone rings*” published by the International Organization for Standardization (ISO). It is envisaged that, when ISO 6624-2 is published, this Draft for Development will be withdrawn and ISO 6624-2 will be published as BS 5341-7.3.2.

Full requirements for piston rings for internal combustion engines are given in the following Parts and Sections of BS 5341, which are identical with ISO standards as indicated:

- *Part 6: Vocabulary, inspection methods and generic specifications;*
- *Section 6.1: Vocabulary;*
(Identical with ISO 6621-1)
- *Section 6.2: Inspection measuring principles;*
(Identical with ISO 6621-2)
- *Section 6.3: Material specifications;*
(Identical with ISO 6621-3)
- *Section 6.4: General specifications;*
(Identical with ISO 6621-4)
- *Section 6.5: Quality requirements;*
(Identical with ISO 6621-5)
- *Part 7: Designs, dimensions and designations for single piece rings;*
- *Section 7.1: Rectangular compression rings;*
- *Subsection 7.1.1: Specification for rectangular rings;*
(Identical with ISO 6622-1)
- *Subsection 7.1.2: Specification for rectangular rings with narrow ring width¹⁾;*
- *Section 7.2: Specification for scraper rings;*
(Identical with ISO 6623)
- *Section 7.3: Specification for keystone and half keystone compression rings;*
- *Subsection 7.3.1: Specification for keystone rings;*
(Identical with ISO 6624-1)
- *Subsection 7.3.2: Specification for half keystone rings²⁾;*
- *Section 7.4: Specification for oil control rings;*
(Identical with ISO 6625)
- *Part 8: Designs, dimensions and designations for multi-piece oil control rings;*
- *Section 8.1: Specification for coil-spring-loaded oil control rings;*
(Identical with ISO 6626)
- *Section 8.2: Specification for expander/segment oil control rings.*

BS 5341-6 to BS 5341-8 supersede BS 5341-1:1976, BS 5341-2:1977, BS 5341-3:1986 and BS 5341-4:1976 which are withdrawn.

¹⁾ It is envisaged that this Subsection will be identical with ISO 6622-2 when the International Standard is published. The technical report ISO/TR 6622-2 is published in the UK as a draft for development, DD 208.

²⁾ It is envisaged that this Subsection will be identical with ISO 6624-2 when the International Standard is published.

Cross-reference (additional to those listed above)

The Technical committee has reviewed the provisions of ISO 1101 to which normative reference is made in the text and has decided that they are acceptable for use in conjunction with this standard.

This publication is not to be regarded as a British Standard

It is being issued in the Draft for Development series of publications and is of a provisional nature because certain requirements contained therein may need modification in the light of practical experience in its use. It should be applied on this provisional basis so that information and experience of its practical operation may be obtained.

It is expected that ISO will review the Technical Report with which this Draft for Development is identical before the end of 1992 and a request for the submission of comments from users of this Draft for Development will be made in an announcement in the appropriate issue of *BSI News*.

According to the replies received, the responsible BSI committee will judge whether the UK should support conversion of the ISO Technical Report into an ISO standard or what other action should be taken.

Observations which it is felt should receive attention before the official call for comments will be welcomed. These should be sent to the secretary of BSI Technical Committee MCE/14 at BSI, 2 Park Street, London W1A 2BS.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 10, 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.

