

Piston rings up to 200 mm diameter for reciprocating internal combustion engines —

Part 6: Vocabulary, inspection methods
and generic specifications —

Section 6.5 Quality requirements

Committees responsible for this British Standard

The preparation of this British Standard 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 British Standard, 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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Amendments issued since publication

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National foreword

This Section of BS 5341 has been prepared under the direction of the Machinery and Components Standards Policy Committee and is identical with ISO 6621-5:1988 “*Internal combustion engines — Piston rings — Part 5: Quality requirements*” published by the International Organization for Standardization (ISO).

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^a *Specification for rectangular rings with narrow ring width*
- Section 7.2 *Specification for scraper rings*
(Identical with ISO 6623)
- Section 7.3 *Keystone and half keystone compression rings*
 - Subsection 7.3.1 *Specification for keystone rings*
(Identical with ISO 6624-1)
 - Subsection 7.3.2^b *Specification for half keystone rings*
- 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^c *Specification for expander/segment oil control rings*

^a 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.

^b It is envisaged that this Subsection will be identical with ISO 6624-2 when the International Standard is published. The technical report ISO/TR 6624-2 is published in the UK as a Draft for Development, DD 209.

^c It is envisaged that this Section will be identical with ISO 6627 when the International Standard is published. ISO/TR 6627 will shortly be published in the UK as a Draft for Development.

BS 5341-6 to BS 5341-8 supersede BS 5341-1:1976, BS 5341-2:1977, BS 5341-3:1976 and BS 5341-4:1976 which are withdrawn.

Cross-references (additional to those listed above)**International Standard** **Corresponding British Standard**

ISO 2859-1:1989	BS 6001 <i>Sampling procedures for inspection by attributes</i> Part 1:1991 <i>Specification for sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection</i> (Identical)
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The Technical Committee has reviewed the provisions of ISO 2859-2:1985, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with 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 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.

