Second edition
2017-04

Internal combustion engines — Piston rings —

Part 3: Keystone rings made of steel

Moteurs à combustion interne — Segments de piston —

Partie 3: Segments trapézoïdaux en acier

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 34, *Propulsion, powertrain and powertrain fluids*.

This second edition cancels and replaces the first edition (ISO 6624-3:2001), which has been technically revised. The main changes compared to the previous edition are as follows:

— PVD rings were included; and

— updates were made regarding technology improvements.

A list of all the parts in the ISO 6624 series can be found on the ISO website.

Introduction

ISO 6624 is one of a number of series of International Standards dealing with piston rings for reciprocating internal combustion engines. Others are ISO 6621[2].[3],[4],[5], ISO 6622[6],[7], ISO 6623[8], ISO 6625[9], ISO 6626[10],[11], [12] and ISO 6627[13].

The common features and dimensional tables presented in this document constitute a broad range of variables and, in selecting a particular ring type, the designer must bear in mind the conditions under which it will be required to operate.

It is also essential that the designer refers to the specifications and requirements of ISO 6621-3[4] and ISO 6621-4 before completing a selection.