

TECHNICAL REPORT

ISO
TR 6627

First edition
1992-02-15

Internal combustion engines — Piston rings — Expander/segment oil control rings

*Moteurs à combustion interne — Segments de piston — Segments
racleurs régulateurs d'huile/expandeurs*



Reference number
ISO/TR 6627:1992(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The main task of technical committees is to prepare International Standards, but in exceptional circumstances a technical committee may propose the publication of a Technical Report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development or where for any other reason there is the future but not immediate possibility of an agreement on an International Standard;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example).

Technical Reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical Reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/TR 6627, which is a Technical Report of type 2, was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This document is being issued in the type 2 Technical Report series of publications (according to subclause G.6.2.2. of part 1 of the IEC/ISO Directives) as a "prospective standard for provisional application" in the field of piston rings because there is an urgent need for guidance on how standards in this field should be used to meet an identified need.

This document is not to be regarded as an "International Standard". It is proposed for provisional application so that information and experi-

© ISO 1992

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

ence of its use in practice may be gathered. Comments on the content of this document should be sent to the ISO Central Secretariat.

A review of this type 2 Technical Report will be carried out not later than two years after its publication with the options of: extension for another two years; conversion into an International Standard; or withdrawal.

Introduction

ISO/TR 6627 is one of a series of International Standards dealing with piston rings for reciprocating internal combustion engines:

ISO 6621-1:1986, *Internal combustion engines — Piston rings — Part 1: Vocabulary*

ISO 6621-2:1984, *Internal combustion engines — Piston rings — Part 2: Inspection measuring principles*

ISO 6621-3:1983, *Internal combustion engines — Piston rings — Part 3: Material specifications*

ISO 6621-4:1988, *Internal combustion engines — Piston rings — Part 4: General specifications*

ISO 6621-5:1988, *Internal combustion engines — Piston rings — Part 5: Quality requirements*

ISO 6622-1:1986, *Internal combustion engines — Piston rings — Part 1: Rectangular rings*

ISO/TR 6622-2:1988, *Internal combustion engines — Piston rings — Part 2: Rectangular rings with narrow ring width*

ISO 6623:1986, *Internal combustion engines — Piston rings — Scraper rings*

ISO 6624-1:1986, *Internal combustion engines — Piston rings — Part 1: Keystone rings*

ISO/TR 6624-2:1988, *Internal combustion engines — Piston rings — Part 2: Half keystone rings*

ISO 6625:1986, *Internal combustion engines — Piston rings — Oil control rings*

ISO 6626:1989, *Internal combustion engines — Piston rings — Coil-spring-loaded oil control rings*

ISO/TR 6627:1992, *Internal combustion engines — Piston rings — Expander/segment oil control rings*