

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

आंतरिक दहन इंजन — पिस्टन रिंग — विस्तारक/रेल तेल-नियंत्रण रिंग

Draft Indian Standard

**INTERNAL COMBUSTION ENGINES — PISTON RINGS — EXPANDER/RAIL OIL-
CONTROL RINGS**

ICS: 43.060.10

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Last date for receipt of comments
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Automotive Prime Movers, Transmissions Systems and Internal Combustion Engines Sectional Committee, TED 02

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 6627:2022 'Internal combustion engines — Piston rings — Expander/rail oil-control rings' issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Automotive Prime Movers, Transmissions Systems and Internal Combustion Engines Sectional Committee and approval of the Transport Engineering Division Council

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, references appear to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 6621-1: 2018 Internal combustion engines — Piston rings — Part 1: Vocabulary	IS/ISO 6621-1: 2018 Internal Combustion Engines — Piston Rings — Part 1: Vocabulary (First Revision)	Identical under single numbering
ISO 6621-3: 2021 Internal combustion engines — Piston rings — Part 3: Material specifications	IS 5791: 2006/ISO 6621-3: 2000 INTERNAL COMBUSTION ENGINES — PISTON RINGS — MATERIAL SPECIFICATIONS (Third Revision)	Identical under dual numbering

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

SCOPE

This document specifies the essential dimensional features of expander/rail oil-control rings, without providing a complete product description (because expander-rail designs vary from piston-ring manufacturer to piston-ring manufacturer, the interaction between the manufacturer and the client will determine specific design details).

This document applies to expander/rail oil-control rings of nominal diameters ranging from 40 mm to 140 mm for reciprocating internal combustion engines for road vehicles and other applications. It also applies to piston rings for compressors working under analogous conditions.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6627:2022 or CONTACT:

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