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भारतीय मानक मसौदा

आंतरिक दहन इंजन — पिस्टन रिंग — ढलवां लोहे से बने स्क्रेपर रिंग

Draft Indian Standard

Internal Combustion Engines — Piston Rings — Scraper Rings Made of Cast Iron

ICS: 43.060.10

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comments or used as standard

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Automotive Prime Movers, Transmission Systems and Internal Combustion Engine Sectional Committee, TED 02

NATIONAL FOREWORD

This draft Indian Standard (*First Revision*) which is identical with ISO 6623: 2013 ‘Internal Combustion Engines — Piston Rings — Scraper Rings Made of Cast Iron’ issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Automotive Prime movers, Transmission Systems and Internal Combustion Engine Sectional Committee and approval of the Transport Engineering Division Council.

This standard was originally published as IS 8422 (Part 4): 1977 ‘Specification for piston rings for IC engines: Part 4 Napier oil scraper rings from 30 up to 200 mm nominal diameter N - Rings’. As ISO 6623 includes specification for N Rings along with NM, E and EM Types of Rings, it has been decided to revise this standard in order to align it with the latest version of ISO 6623 to harmonize with the latest international practices.

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, reference appears to certain International Standard for which Indian Standard also exists. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard / Document No. of Draft Under Development</i>	<i>Degree of Equivalence</i>
ISO 6621-4 Internal Combustion Engines — Piston Rings — Part 4: General Specifications	TED/02/24507* Internal Combustion Engines Piston Rings Part 4: General Specifications	Identical under dual numbering

**Draft Under Development*

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.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*Second revision*)'.

INTRODUCTION

ISO 6623 is one of a number of series of International Standards dealing with piston rings for reciprocating internal combustion engines. Others are ISO 6621, ISO 6622, ISO 6624, ISO 6625, ISO 6626, and ISO 6627 (*see Bibliography for details*).

SCOPE

This International Standard specifies the essential dimensional features of scraper rings made of cast iron, types N, NM, E, and EM, having diameters from 30 mm up to and including 200 mm, used in reciprocating internal combustion engines for road vehicles and other applications.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6623: 2013
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