

For comments only

भारतीय मानक मसौदा

आंतरिक दहन इंजन — पिस्टन के छल्ले — भाग 2 : इस्पात से बने आयताकार रिंग

Draft Indian Standard

**Internal Combustion Engines — Piston Rings — Part 2: Rectangular Rings
Made of Steel**

ICS: 43.060.10

Not to be reproduced without permission of BIS
comments or used as standard

Last date for receipt of
is 18/03/2024

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 6622-2: 2013 ‘Internal Combustion Engines — Piston Rings — Part 2: Rectangular Rings Made of Steel’ 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.

Once published, this draft standard along with Doc. TED 02 (24548){adoption of ISO 6622-1: 2021 (*Internal Combustion Engines — Piston Rings — Part 1: Rectangular Rings Made of Cast Iron*)}, will supersede IS 8422 (Part 2): 1977 ‘*Specification for piston rings for IC engines: Part 2 taper faced compression rings from 30 up to 200 mm nominal diameter M - Rings*’ and IS 8422 (Part 1): 1977 ‘*Specification for piston rings for IC engines: Part 1 plain compression rings from 30 up to 200 mm nominal diameter R - Rings*’.

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.

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

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

The common features and dimensional tables presented in this part of ISO 6622 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 refer to the specifications and requirements of ISO 6621-3 and ISO 6621-4 before completing his selection.

SCOPE

This part of ISO 6622 specifies the essential dimensional features of rectangular rings made of steel, types R, B, BA, and M having nominal diameters from 30 mm up to and including 160 mm, used in reciprocating internal combustion piston engines for road vehicles and other applications.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6622-2: 2013
or CONTACT:**

P. V. Srikanth
Scientist- D & Head
Transport Engineering Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi 110 002
Email: ted@bis.org.in, hted@bis.org.in
Telefax: 011- 2323 6311