

BUREAU OF INDIAN STANDARDS
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भारतीय मानक मसौदा
इस्पात की रोलर जंजीरे, प्रकार एस और सी,
संलग्नक और दंतुरिका
(IS 2637 का तीसरा पुनरीक्षण)

Draft Indian Standard

**Steel Roller Chains, Types S and C,
Attachments and Sprockets**

(Third Revision of IS 2637)

ICS 21.220.30

Transmission Devices Sectional Committee,
PGD 33

Last Date for Comments: **01-03-2024**

NATIONAL FOREWORD

This Indian Standard (Third Revision) which is identical with ISO 487 : 1998 'Steel Roller Chains, Types S and C, Attachments and Sprockets' issued by the International Organization for Standardization (ISO) will be adopted by the Bureau of Indian Standards on the recommendation of the Transmission Devices Sectional Committee and approval of the Production and General Engineering Division Council.

This Indian standard was first published in 1964 and was subsequently revised in 1991 and 1998. This third revision has been brought out to align it with ISO 487 : 1998.

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

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- 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 185 : 1988 ¹⁾ Grey cast iron — Classification	IS 210 : 2009/ISO 185 : 2005 Grey iron castings — Specifications (<i>fifth revision</i>)	Not equivalent
ISO 606 : 1994 ²⁾ Short-pitch transmission precision roller chains and chain wheels	IS 2403 : 2024/ISO 606 : 2015 Short-pitch transmission precision roller chains and chain wheels (<i>fourth revision</i>)	Identical

¹⁾ISO 185 : 1988 has been replaced ISO 185 : 2005

²⁾ISO 606 : 1994 has been replaced ISO 606 : 2015

The standard also makes a reference to the BIS Certification Marking of the product. Details of which are given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revised*).’

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the Bureau of Indian Standards Act, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

A-2 In compliance with IS 2637 standard, the inclusion of various pitches, dimensions, profile chains and other technical requirements entails accommodating minor deviations as mutually agreed upon by manufacturers and purchasers. IS 2637 establishes a framework for standardizing the dimensions and characteristics of a range of steel roller chains, dimensionally derived from the malleable iron type and suitable for the conditions of operation and maintenance prevailing in such fields as agriculture, building, quarrying and related industry, mechanical handling, etc., and of associated chain sprockets.

This will ensure compatibility and interchangeability across different applications and industries. By encompassing a range of pitch and profile variations, this standard enables manufacturer to meet diverse customer specifications while maintaining essential performance and quality benchmarks. Embracing these minor deviations as per negotiated agreements fosters flexibility and adaptability within the chain manufacturing process, ultimately enhancing product customization and meeting specific user requirements with precision and reliability.

NOTE: The technical content of draft standard is not available on the website. For details, please refer to ISO 487 : 1998 or contact:

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