

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

Not to be reproduced without permission of BIS or used as Standard

Doc: PGD 40 (26304) WC

August 2024

(Superseding IS 16377 : 2017)

भारतीय मानक मसौदा

**तुल्यकालिक बेल्ट ड्राइव — ऑटोमोटिव
पट्टा और घिरनी**

(IS 16376 का पहला पुनरीक्षण)

Draft Indian Standard

**Synchronous belt drives — Automotive
belts and pulleys**

(First Revision of IS 16376)

ICS 21.220.10; 43.060.10

Conveyor Belts Sectional Committee, PGD 40

Last Date for Comments: **04-10-2024**

NATIONAL FOREWORD

(Formal clauses will be added later on)

This Standard specifies the characteristics of synchronous endless belts and their related pulleys for use in automotive applications such as engine camshaft drives.

This Indian standard was first published in 2017. The first revision of this standard has been undertaken to align it with the latest version of ISO 21342.

In this standard the test methods for measuring belt pitch length and lateral runout have been included.

Details of BIS Certification Marking is given in National Annex A.

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

- 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 the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 254, Belt drives — Pulleys — Quality, finish and balance	IS 15147 : 2015/ISO 254 : 2011 Belt drives — Pulleys — Quality, finish and balance (<i>first revision</i>)	Identical

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 revision*)’.

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product may also be marked with the Standard Mark.

A-1.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations made thereunder. The details of conditions under which the license for use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

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

NOTE: The technical content of draft standard is not available on website. For details, please refer to ISO 21342 : 2019 or contact:

Head
Production and General Engineering Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg New Delhi-110002
Email: pgd@bis.org.in
Telefax:011-23234819