

INTERNATIONAL
STANDARD

ISO
606

Second edition
1994-02-15

**Short-pitch transmission precision roller
chains and chain wheels**

*Chaînes de transmission de précision à rouleaux à pas courts et roues
dentées correspondantes*



Reference number
ISO 606:1994(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 606 was prepared by Technical Committee ISO/TC 100, *Chains and chain wheels for power transmission and conveyors*.

This second edition cancels and replaces the first edition (ISO 606:1982), of which it constitutes a technical revision.

The requirements for 082 chains have been transferred to ISO 9633.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

© ISO 1994

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

The provisions of this revised International Standard have been established by including sizes of chains used by the majority of countries in the world, and by unifying dimensions, strengths and other data which differed in current national standards. At the same time, certain size ranges listed in some national standards, for which it was considered a universal usage had not been established, have been eliminated.

The whole field of application open to this medium of transmission has been covered by the ranges of chains already established. To achieve this, the sizes of 12,7 mm pitch to 76,2 mm pitch inclusive have been duplicated by the inclusion of chains derived from standards originating and centred around ANSI (denoted by suffix A) and, on the other hand, by chains representing the unification of the principal standards originating in Europe (suffix B), the two being complementary for the coverage of the widest possible field of application.

Both series of chains have been derived from earlier inch versions whose original values are recorded in annex B.

Clause 5, covering chain wheels, represents the unification of all the relevant national standards in the world and includes, in particular, complete tolerances relating to tooth form.

The dimensions of chain specified ensure complete interchangeability of any given size and provide interchangeability of individual links of chains for repair purposes.