
INTERNATIONAL STANDARD



1977 / II

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION · МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ · ORGANISATION INTERNATIONALE DE NORMALISATION

Conveyor chains, attachments and chain wheels — Part II : Chain wheels

Chaînes convoyeurs, plaques d'attache et roues pour chaînes — Partie II : Roues pour chaînes

First edition — 1974-07-01

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 1977/II (originally draft International Standard ISO/DIS 2564) was drawn up by Technical Committee ISO/TC 100, *Chains and chain wheels for power transmission and conveyors*, and circulated to the Member Bodies in August 1971.

It has been approved by the Member Bodies of the following countries :

Australia	Germany	Sweden
Austria	India	Thailand
Belgium	Ireland	Turkey
Czechoslovakia	Japan	United Kingdom
Egypt, Arab Rep. of	Romania	U.S.A.
Finland	South Africa, Rep. of	U.S.S.R.
France	Spain	

No Member Body expressed disapproval of the document.

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Printed in Switzerland

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0 INTRODUCTION

This document has been prepared as a basis for national standards with a view to providing a broad “dimensional envelope” within which functional interchangeability of chain wheels of different manufacturing sources can be obtained.

It forms part of ISO 1977, dealing with conveyor chains, attachments and chain wheels. Other parts are :

- *Part I : Chains — Metric series.*¹⁾
- *Part III : Attachments — Metric series.*

1 SCOPE AND FIELD OF APPLICATION

This International Standard gives specifications for chain wheels for use with conveyor chain conforming to part I and specifies control criteria to ensure correct meshing,

operation and transmission of load when used under normal operating conditions. The controls do not necessarily determine the design parameters of conveyor chain wheels.

2 NOMENCLATURE

2.1 Chains

The nomenclature (and symbols) for basic chain dimensions on which all chain wheel data are based is given in part I.

2.2 Chain wheels

The nomenclature for chain wheels is given in the figure on the following page.

1) In preparation. (Revision of ISO/R 1977.)