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**Leaf chains, clevises and sheaves —  
Dimensions, measuring forces and  
tensile strengths**

*Chaînes de levage à mailles jointives, chapes et galets de renvoi —  
Dimensions, forces de mesurage et résistances à la traction*



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## 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.

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The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4347 was prepared by Technical Committee ISO/TC 100, *Chains and chain wheels for power transmission and conveyors*.

This fourth edition cancels and replaces the third edition (ISO 4347:1992), which has been technically revised.

## Introduction

This International Standard includes two series of chains: one derived from the ISO 606 A/ASME B29.8 series, designated by the symbol “LH” or “BL”; the other derived from the ISO 606 B series, designated by the symbol “LL”.

All dimensions are given in millimetres, converted from the original dimensions given in inches.

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# Leaf chains, clevises and sheaves — Dimensions, measuring forces and tensile strengths

## 1 Scope

This International Standard specifies the characteristics of chains used for general lifting purposes, together with the rim profiles of sheaves and the chain attachment ends of clevises. It gives dimensions, limits for interchangeability, length measurement, preloading and minimum tensile strengths. It is not applicable to  $8 \times 8$  lacing.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 286-2:1988, *ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts*

ISO 606, *Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets*<sup>1)</sup>

ASME<sup>2)</sup> B29.8, *Leaf chains, clevises and sheaves*

## 3 Chains

### 3.1 Nomenclature

The nomenclature of chains is shown in Figure 1 (which does not necessarily define the actual form of the chain plates) and as given in Tables 1 and 2.

1) To be published. (Revision of ISO 606:1994)

2) American Society of Mechanical Engineers