INTERNATIONAL STANDARD

ISO 4347

Fifth edition
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Leaf chains, clevises and sheaves — Dimensions, measuring forces, tensile strengths and dynamic strengths

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

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 100, *Chains and chain sprockets for power transmission and conveyors*.

This fifth edition cancels and replaces the fourth edition (ISO 4347:2004), which has been technically revised. This edition specifies the minimum dynamic strength of the chains.

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”.

In Table 1 and Table 2, requirements for minimum dynamic strengths are specified. See informative Annex A for calculation details.

Leaf chains, clevises and sheaves — Dimensions, measuring forces, tensile strengths and dynamic 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, minimum tensile strengths and minimum dynamic strengths.

2 Normative references

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

ISO 606, *Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets*

ISO 15654[1)], *Fatigue test methods for transmission precision roller chains and leaf chains*

ASME[2)] 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 Table 1 and Table 2.

1) To be published (Revision of ISO 15654:2004).

2) American Society of Mechanical Engineers.