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DIN ISO 606

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Supersedes
DIN ISO 606:2012-06

Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets (ISO 606:2015), English translation of DIN ISO 606:2018-02

Kurzgliedrige Präzisions-Rollen- und Buchsenketten, Anbauteile und zugehörige Kettenräder (ISO 606:2015),
Englische Übersetzung von DIN ISO 606:2018-02

Chaînes de transmission de précision à rouleaux et à douilles, plaques-attaches et roues dentées correspondantes (ISO 606:2015),
Traduction anglaise de DIN ISO 606:2018-02

Document comprises ?? pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

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A comma is used as the decimal marker.

Contents

National foreword

This document (ISO 606:2015) has been prepared by ISO/TC 100 “Chains and chain sprockets for power transmission and conveyors”. By issuing the German version of DIN ISO 606:2018-02, the Committee has documented the fact that this standard is consistent with the ISO Standard.

The German body involved in its preparation was *DIN-Normenausschuss Maschinenbau* (DIN Standards Committee Mechanical Engineering), Working Committee NA 060-34-35 “Steel link chains” of Section “Power transmission engineering”.

This DIN ISO Standard contains the fourth edition of ISO 606:2015; it revises and supersedes DIN ISO 606:2012-06, the DIN Standard of the third edition of ISO 606:2004.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 286-2 DIN EN ISO 286-2

ISO 15654 DIN ISO 15654

The equations for the calculation of the tooth gap form, among other things required for $r_{e,max}$ and $r_{e,min}$, have been included with their correct indices in National Annex NB. In ISO 606:2015, the indices have been interchanged; however, this does not lead to erroneous results in the calculation of the tooth gap form.

Amendments

This standard differs from DIN ISO 606:2012-06 as follows:

a) ANSI chain terminology has been adopted in Table 1 for the ISO chain numbers; in Annex B, the new ISO chain numbers have been juxtaposed with the previous chain numbers;

b) extra heavy ANSI chains (60 HE to 240 HE) have been included in Table 2; they have the dimensions of the respective ANSI H chains, however, they have higher minimum tensile strengths;

c) a new informative Annex E contains methods used to avoid an excessive increase in the rate of stress during the tensile test;

d) a new informative Annex F contains two methods used to approximate the minimum dynamic test values for multiplex chains;

e) according to informative Annex C, Clause C.2, the method for calculation of the minimum dynamic strength can also be applied to extra heavy ANSI chains.

Previous editions

DIN KrW 501: 1922-07
DIN FAFA 17: 1930-06
DIN Kr 3231-1: 1935-12
DIN Kr 3231-2 = DIN 73231-1: 1935-12
DIN 73232-2: 1941-03, 1950-06
DIN 73233: 1941-03, 1950-06
DIN 8180-1: 1944-04, 1948-07
DIN 8180: 1956-08, 1961-02
DIN 8187: 1956-08, 1969-12, 1972-08, 1984-03
DIN 8196: 1959-09, 1963-03
DIN 8154: 1977-09, 1984-03, 1999-09
DIN 8196-1: 1987-03
DIN 8187-1: 1996-03
DIN 8187-1 Corrigendum 1: 2006-11
DIN 8188-1: 1996-03
DIN 8187-2: 1998-08
DIN 8187-3: 1998-08
DIN 8188-2: 1998-08
DIN 8188-3: 1998-08
DIN ISO 606: 2012-06

National Annex NA
(informative)

Bibliography

DIN EN ISO 286-2, *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts*

DIN ISO 10823, G*uidelines for the selection of roller chain drives*

DIN ISO 13203, *Chains, sprockets and accessories — List of equivalent terms*

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

1) Currently in preparation.