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NSAI Standards

Irish Standard
I.S. EN 972:1998+A1:2010

Tannery machines - Reciprocating roller machines - Safety requirements

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I.S. EN 972:1998+A1:2010

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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I.S. EN 972:1998

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 972:1998+A1:2010/AC

April 2011
Avril 2011
April 2011

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English version
Version Française
Deutsche Fassung

Tannery machines - Reciprocating roller machines - Safety requirements

Machines de tannerie - Machines à cylindres alternatifs - Prescriptions de sécurité

Gerberei-Maschinen - Walzenmaschinen - Sicherheitsanforderungen

This corrigendum becomes effective on 6 April 2011 for incorporation in the official English and French versions of the EN.

Ce corrigendum prendra effet le 6 avril 2011 pour incorporation dans les versions officielles anglaise et française de la EN.

Die Berichtigung tritt am 6.April 2011 zur Einarbeitung in die offizielle Englische und Französische Fassung der EN in Kraft.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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1 Modification to 5.3.2

In 5.3.2, a., replace "EN 1769-2" *with* "EN 1760-2".

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I.S. EN 972:1998

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 972:1998+A1

October 2010

ICS 59.140.40

Supersedes EN 972:1998

English Version

Tannery machines - Reciprocating roller machines - Safety requirements

Machines de tannerie - Machines à cylindres alternatifs - Prescriptions de sécurité

Gerberei-Maschinen - Walzenmaschinen - Sicherheitsanforderungen

This European Standard was approved by CEN on 4 March 1998 and includes Amendment 1 approved by CEN on 28 September 2010.

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Foreword

This (EN 972:1998+A1:2010) has been prepared by Technical Committee CEN/TC 200 “Tannery machinery - Safety”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

This document includes Amendment 1, approved by CEN on 2010-09-28.

This document supersedes EN 972:1998.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1⟩ ⟨A1▌.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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Introduction

[A1] This document is a type C standard as stated in EN ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard. [A1]

1 Scope

This European Standard specifies safety requirements for all the phases of the life of a machine listed in [A1] 5.3 a) of EN ISO 12100-1:2003 [A1].

Reciprocating roller machines are machines used for the processing of animal hides and skins. They have a reciprocating opening and closing motion of the feed rollers or conveyors which, if required, may also reverse their direction.

This standard covers the following reciprocating roller machines (see figures 1 to 13 for typical configurations and annex D for descriptions):

a) Buffing machines (see figures 1a and 1b)

b) Polishing machines (see figures 1a and 1b)

c) Ironing machines (woolskins and fur) (see figures 2a and 2b)

d) Carding machines (see figures 3a and 3b)

e) Shearing machines (woolskins and fur) (see figures 4a and 4b)

f) Cylinder universal staking machines (see figures 5a and 5b)

g) Setting-out machines (see figures 6a and 6b)

h) Dewooling machines (see figures 6a and 6b)

i) Scudding machines (see figures 6a and 6b)

j) Unhairing (dehairing) machines (see figures 6a and 6b)

k) Sammying machines (see figures 6a and 6b)

l) Cylinder ironing machines (see figures 7a and 7b)

m) Cylinder staking machines (see figures 8a and 8b)

n) Fleshing machines (see figures 9a and 9b)

o) Demanuring machines (see figures 10a and 10b)

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p) Wet wheeling machines (see figures 11a and 11b)

q) Shaving machines (feed-out) (see figures 12a and 12b)

r) Shaving machines (feed-in) (see figures 13a and 13b)

It takes account of intended use, foreseeable misuse, component and systems failure.

[A1] This European Standard is not applicable to reciprocating roller machines which are manufactured before the date of its publication as EN. [A1]

[A1] This European Standard provides provisions for the reduction of noise emission at the design stage (see 5.2.4 and Annex A). However, it does not provide a noise test code for the determination by measurement of noise emission values for the machines it covers. Without such a code the manufacturer cannot fulfil his obligation to provide the noise emission values of the machines put on the market. [A1]

[A1] All the significant hazards (see Clause 4) are dealt with in this European Standard except the following: [A1]

— Dust, smoke and vapour emissions (see Annex B);

— Fire (see Annex C).

For these hazards general guidelines are proposed in [A1] normative annexes [A1]. Designers and manufacturers shall verify directly that the methods adopted to reduce these hazards have been successful.

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.

[A1] *deleted text* [A1]

EN 349:1993, *Safety of machinery — Minimum gaps to avoid crushing of the human body*

[A1] EN 388:2003, *Protective gloves against mechanical risks* [A1]

[A1] *deleted text* [A1]

EN 953:1997, *Safety of machinery — General requirements for the design and construction of fixed and movable guards*

[A1] *deleted text* [A1]

EN 982:1996, *Safety of machinery — Safety requirements for fluid power systems and components — Hydraulics*

EN 983:1996, *Safety of machinery — Safety requirements for fluid power systems and components — Pneumatics*

[A1] EN 999:1998, *Safety of machinery — The positioning of protective equipment in respect of approach speeds of parts of the human body* [A1]

[A1] EN 1037:1995 *Safety of machinery — Prevention of unexpected start-up* [A1]

[A1] *deleted text* [A1]

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