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Tools for woodworking - Safety requirements - Part 2: Requirements for the shank of shank mounted milling

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD
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EN 847-2

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English Version

**Tools for woodworking - Safety requirements - Part 2:
Requirements for the shank of shank mounted milling**

Outils pour le travail du bois - Prescriptions de sécurité -
Partie 2: Prescriptions pour les queues des fraise à queue

Maschinen-Werkzeuge für Holzbearbeitung -
Sicherheitstechnische Anforderungen - Teil 2:
Anforderungen für den Schaft von Fräswerkzeugen

This European Standard was approved by CEN on 10 August 2013.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 847-2:2013) has been prepared by Technical Committee CEN/TC 142 "Woodworking machines - 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of an identical text or by endorsement, at the latest by April 2014, and conflicting national standards shall be withdrawn at the latest by April 2014.

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 supersedes EN 847-2:2001.

The following table contains a list of modifications from the previous edition.

EN 847-2:2001	EN 847-2:2013	Reason
1 Scope	1 Scope: Precision of the indent New paragraph: applies also for shank tools with a cutting diameter of less than 16 mm	ed/te
3 Quantities and units	3 Terms and definitions	ed
5 Tool marking	5 Safety requirements: 5.1 General requirements for cylindrical shank 5.2 Stability of the shank of the shank mounted tools 5.3 Stability of HSK mounted tools	te (missing requirements)
6 Safety requirements	6 Tool marking Changed symbol for the free shank length	te
Annex A: Method of measuring the eccentricity at clamping devices	Annex A: Examples of calculation	ed
Annex B: Example of calculation	Annex B: Method of measuring the eccentricity at clamping devices	ed
	New: Bibliography	ed

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Introduction

The content of this European Standard is aimed at eliminating hazards which can lead to overloading of the shank of shank mounted milling tools for woodworking by excessive rotational speeds.

1 Scope

This European Standard specifies the determination of the maximum speed for given eccentricity at clamping devices for the shank strength of milling tools with cylindrical and taper shank. It also specifies the marking of the tool. Bore mounted tools which are mounted on an arbour should be considered as a shank mounted tool.

This European Standard complements EN 847-1 and applies also for shank tools with a cutting diameter of less than 16 mm.

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.

EN 847-1:2013, *Tools for woodworking — Safety requirements — Part 1: Milling tools, circular saw blades*

EN ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)*

ISO 1940-1, *Mechanical vibration — Balance quality requirements for rotors in a constant (rigid) state — Part 1: Specification and verification of balance tolerances*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN