



NSAI
Standards

Irish Standard
I.S. EN 847-2:2017

Tools for woodworking - Safety requirements - Part 2: Requirements for the shank of shank mounted milling tools/circular saw blades

I.S. EN 847-2:2017

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National Foreword

I.S. EN 847-2:2017 is the adopted Irish version of the European Document EN 847-2:2017, Tools for woodworking - Safety requirements - Part 2: Requirements for the shank of shank mounted milling tools/circular saw blades

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EUROPEAN STANDARD

EN 847-2

NORME EUROPÉENNE

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Supersedes EN 847-2:2013

English Version

Tools for woodworking - Safety requirements - Part 2: Requirements for the shank of shank mounted milling tools/circular saw blades

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

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

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European foreword

This document (EN 847-2:2017) 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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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EN 847-2:2017 (E)

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 e.g. milling tools, circular saw blades which are mounted on an arbor should be considered as a shank mounted tool.

This European Standard complements EN 847-1:2017 and applies also for shank tools with a cutting diameter of less than 16 mm.

This European Standard is not applicable for shanks of tools according to this scope, which are manufactured before the date of its publication.

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 847-1:2017, *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)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 847-1:2017 and the following apply.

3.1

7/24 shank

SK

type of tool holder with a 7/24 cone ratio taper

3.2

hollow taper shank

HSK

type of tool holder with a short hollow taper with high positioning accuracy and high grade of rigidity that contacts the spindle on two surfaces

3.3

arbor

device to be mounted on the machine spindle interface and which is designed to carry bore type cutting tools

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