



NSAI
Standards

Irish Standard
I.S. EN 847-3:2013

Tools for woodworking - Safety requirements - Part 3: Clamping devices

I.S. EN 847-3:2013

Incorporating amendments/corrigenda/National Annexes issued since publication:

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English Version

Tools for woodworking - Safety requirements - Part 3: Clamping devices

Outils pour le travail du bois - Prescriptions de sécurité -
Partie 3: Outils de serrage

Maschinen-Werkzeuge für Holzbearbeitung -
Sicherheitstechnische Anforderungen - Teil 3: Spannzeuge

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

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Foreword

This document (EN 847-3:2013) 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of an identical text or by endorsement, at the latest by April 2014, and conflicting national standards shall be withdrawn at the latest by April 2014.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 847-3:2004.

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

EN 847-3:2004	EN 847-3:2013	Reason
3 Terms	3 Terms and definitions: new headline some new definitions	ed/te
5 Safety requirements	5 Design requirements: new numbering	ed
7 Information for use	7 Information for use; with 7.2 Safe working practice	ed
Annex A: Safe work practice	No Annex A	ed
	New: Bibliography	ed

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Introduction

This European Standard specifies general requirements for the safety of clamping devices for machine tools for woodworking.

It is addressed to manufacturers and it is useful for end users.

1 Scope

This European Standard specifies all hazards arising from the use of clamping devices for the fastening of milling tools and circular saw blades on woodworking machines and specifies the methods for the elimination or reduction of these hazards by the design of the clamping device and by the provision of information.

This European Standard does not apply to arbors for spindle moulding machines in accordance with EN 848-1 or to clamping flanges for circular sawing blades to be used on circular sawing machines in accordance with the standard series EN 1870 and does not cover hazard related to the connection of the clamping device with the machine.

Bore mounted tools which are mounted on an interchangeable arbor should be considered as a shank mounted tool.

NOTE For definition of "woodworking machines", see EN 847-1.

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*

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

ISO 10897, *Collets for tool holders with taper ratio 1:10 — Collets, holders, nuts*

ISO 15488, *Collets with 8 degree setting angle for tool shanks — Collets, nuts and fitting dimensions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 847-1:2013 and the following apply.

3.1

shank

part of the tool by which it is held

[SOURCE: ISO 3002-1:1982, 3.2.2]

3.2

shank mounted tool

tool with a shank

3.3

bore mounted tool

tool with a bore for mounting

3.4

tool bore

that bore in a tool by which it can be located and fixed by a spindle, arbour or mandrel

[SOURCE: ISO 3002-1:1982, 3.2.3]

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