



NSAI
Standards

Irish Standard
I.S. EN 15571:2014

Machines and plants for mining and tooling of natural stone - Safety - Requirements for surface finishing machines

I.S. EN 15571:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN 15571:2014

Published:

2014-11-26

*This document was published
under the authority of the NSAI
and comes into effect on:*

2014-12-13

ICS number:

25.080.50

73.120

NOTE: If blank see CEN/CENELEC cover page

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EUROPEAN STANDARD

EN 15571

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2014

ICS 25.080.50; 73.120

English Version

Machines and plants for mining and tooling of natural stone - Safety - Requirements for surface finishing machines

Machines et installations d'extraction et d'usinage des
pierres naturelles - Sécurité - Prescriptions relatives aux
machines de finition de surface

Maschinen und Anlagen zur Gewinnung und Bearbeitung
von Naturstein - Sicherheit - Anforderungen an
Flächenschleifmaschinen

This European Standard was approved by CEN on 13 September 2014.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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EN 15571:2014 (E)

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Foreword

This document (EN 15571:2014) has been prepared by Technical Committee CEN/TC 151 “Construction equipment and building material machines - Safety”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2015 and conflicting national standards shall be withdrawn at the latest by May 2015.

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 2006/42/EC, see informative Annex ZA, which is an integral part of this document.

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EN 15571:2014 (E)

Introduction

This document has been prepared to be a harmonized standard to provide one means of conforming to the essential health and safety requirements of the Machinery Directive and associated EFTA Regulations.

This document is a type C standard as defined in EN ISO 12100:2010.

The machinery concerned and the extent to which hazards, hazardous situations and 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.

The requirements of this document are directed to manufacturers and their authorized representatives of surface finishing machines. It is also useful for designers.

This also includes examples of information to be provided by the manufacturer to the user.

1 Scope

This European Standard applies to stationary surface finishing machines, with stationary work piece (see 3.1) or with moving work piece (see 3.2), which are used to grind or polish horizontal surfaces of slabs, strips or tiles of natural stone and engineered stone (e.g. agglomerated stone) as defined by EN 14618:2009.

This European Standard deals with all significant hazards, hazardous situations and events relevant to surface finishing machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4).

This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

This European Standard deals with the foreseeable lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.

This European Standard does not deal with:

- hand-held grinding machines;
- machines intended for operation in a potentially explosive atmosphere;
- operation in severe environmental conditions (e.g. extreme temperatures, corrosive environment);
- machines intended for outdoor operation.

This European Standard is not applicable to machinery which is manufactured before the date of publication of this document by CEN.

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 166:2001, *Personal eye-protection - Specifications*

EN 349:1993+A1:2008, *Safety of machinery - Minimum gaps to avoid crushing of parts of the human body*

EN 953:1997+A1:2009, *Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards*

EN 1005-2:2003+A1:2008, *Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery*

EN 1005-4:2005+A1:2008 *Safety of machinery - Human physical performance - Part 4: Evaluation of working postures and movements in relation to machinery*

EN 1037:1995+A1:2008, *Safety of machinery - Prevention of unexpected start-up*

EN 1837:1999+A1:2009, *Safety of machinery - Integral lighting of machines*

EN 14618:2009, *Agglomerated stone - Terminology and classification*

EN 50370-1:2005, *Electromagnetic compatibility (EMC) - Product family standard for machine tools - Part 1: Emission*

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