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Building construction machinery and equipment — Portable, hand-held, internal combustion engine driven cut-off machines — Safety requirements

*Machines et matériels pour la construction des bâtiments —
Tronçonneuses à disque, portatives, à moteur à combustion interne —
Exigences de sécurité*



Reference number
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Contents

Page

| | |
|--|----|
| Foreword | iv |
| Introduction..... | v |
| 1 Scope | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions | 2 |
| 4 Safety requirements and verification | 4 |
| 4.1 General | 4 |
| 4.2 Handles..... | 5 |
| 4.3 Spindle speed | 5 |
| 4.4 Engine-starting device | 5 |
| 4.5 Engine-stopping device..... | 6 |
| 4.6 Throttle control system..... | 6 |
| 4.7 Clutch..... | 8 |
| 4.8 Exhaust gases | 8 |
| 4.9 Cutting-debris discharge..... | 8 |
| 4.10 Fuel and oil system | 9 |
| 4.11 Protection against contact with parts under high voltage..... | 9 |
| 4.12 Transmission cover(s) | 10 |
| 4.13 Protection against contact with hot parts..... | 10 |
| 4.14 Cut-off wheel guard..... | 12 |
| 4.15 Flange locking device | 13 |
| 4.16 Flange assembly..... | 13 |
| 4.17 Spindle diameter..... | 15 |
| 4.18 Special tools | 15 |
| 4.19 Noise..... | 15 |
| 4.20 Vibration | 15 |
| 4.21 Electromagnetic immunity | 16 |
| 5 Information for use..... | 16 |
| 5.1 Instruction handbook..... | 16 |
| 5.2 Markings | 19 |
| 5.3 Warnings | 20 |
| Annex A (normative) Strength test of cut-off wheel guard..... | 21 |
| Annex B (normative) Noise test code — Engineering method (grade 2 of accuracy)..... | 23 |
| Annex C (normative) Measurement of vibration values at the handles | 31 |
| Annex D (normative) Cut-off machine positions | 38 |
| Annex E (informative) Summary of results from round-robin tests (2007 and 2008) on one cut-off machine | 40 |
| Annex F (informative) List of significant hazards..... | 41 |
| Bibliography..... | 43 |

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 19432 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

This second edition cancels and replaces the first edition (ISO 19432:2006), which has been technically revised, primarily concerning:

- additional requirement for starting device (4.4);
- throttle trigger (4.6);
- unintentional movement (4.6.2);
- throttle lock (4.6.3);
- additional requirements for tank strength (4.10);
- additional requirements for transmission cover (4.12);
- clarification of the parts to be recognized as hot parts, including temperature limits (4.13.1);
- additional requirement for electromagnetic immunity;
- added requirement for declaration of uncertainties to noise and vibration values (5.1.1, B.8 and C.10);
- modifications in required markings (5.2) and warnings (5.3) including durability requirements for labels;
- modified calculation of values for equivalent sound power, sound pressure and hand vibration (Annexes B and C);
- stricter specification for accelerometer mounting (C.4.3) and position (C.5);
- inclusion of a simulated feeding force to the vibration test procedure (C.8);
- definition of machine positions (Annex D);
- additional information on reproducibility for noise and vibration measurements (Annex E);
- a new informative Annex F covering a list of significant hazards.

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Introduction

This International Standard is a type-C standard as stated in ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this International Standard.

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