International

ISO 11680

# Machinery for forestry — Safety requirements and testing for portable pole mounted powered pruners

*Matériel forestier — Exigences de sécurité et essais pour les perches élagueuses à moteur*

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This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 17, *Manually portable (hand-held) powered lawn and garden equipment and forest machinery*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 144, *Tractors and machinery for agriculture and forestry,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 11680 cancels and replaces ISO 11680-1:2021 and ISO 11680-2:2021, which have been technically revised.

The main changes are as follows:

— the requirements have been combined into a single standard;

— in 4.3.1:

  — the handle's minimal gripping length requirements (from 65 mm to 63 mm) has been revised to harmonize with IEC standards;

  — a 25 mm dimensional requirement around the gripping length has been added;

— in 4.5.3 and Figure 6, a new requirement for cutting attachment strength test set-up for machines with a backpack has been added;

— in 4.7.1 and Figure 7, the distance to cutting attachments measurements has been clarified;

— in 4.10.2.2, a maximum throttle linkage actuation test force (“200 N") has been added;

— the minimum number of tests (“at least one”) and determination of test directions (“good engineering judgement”) for fuel feed lines strength and accessibility testings have been clarified;

— in Annex B, the 200 mm of the test probe is the free length after mounting.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This document is a type-C standard as stated in ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

— machine manufacturers (small, medium and large enterprises);

— health and safety bodies (regulators, accident prevention organisations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

— machine users/employers (small, medium and large enterprises);

— machine users/employees (e.g. trade unions, organizations for people with special needs);

— service providers, e. g. for maintenance (small, medium and large enterprises);

— consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

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

When requirements of this type-C standard are different from those which are stated in type A or type 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.