
International Standard



8334

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**Forestry machinery — Portable chain-saws —
Determination of balance**

Matériel forestier — Scies à chaîne portatives — Détermination de l'équilibre

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8334 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Forestry machinery — Portable chain-saws — Determination of balance

1 Scope and field of application

This International Standard specifies a test method and requirements for the longitudinal balance of portable hand-held combustion engine chain-saws for use primarily in forestry.

2 Test method

2.1 The chain-saw fuel and oil tanks shall be half-full. The saw shall be fitted with guide-bars and chains within the dimensions recommended by the manufacturer. The test may be carried out with or without a spiked bumper.

2.2 The chain-saw shall be suspended from the front handle gripping area, a (see figure 1), at the point giving the best lateral balance, with the crankshaft horizontal.

2.3 Measure the angle between the centreline of the guide-bar and the horizontal plane. (See clause 3.)

2.4 Chain-saws with an engine displacement of 82 cm³ or more which cannot meet the recommended angle requirement in clause 3 shall be positioned on a flat horizontal surface, standing steady on the base of the saw as shown in figure 2. With the saw thus, the guide-bar shall not touch the horizontal plane.

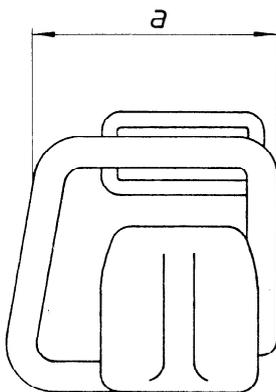


Figure 1 — Handle gripping area

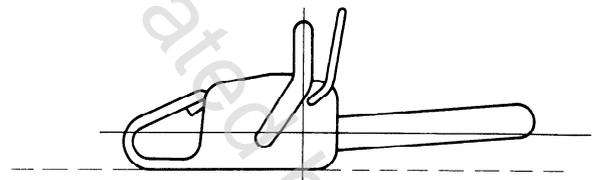


Figure 2 — Free-standing position of the saw

3 Test requirements

In the interests of user safety and good ergonomics, the angle measured in 2.3 should not exceed 30°.