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

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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.

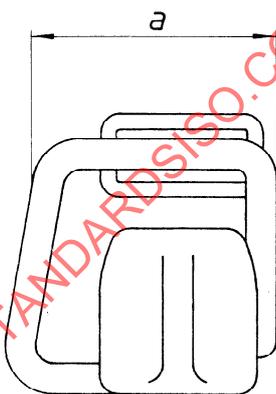


Figure 1 — Handle gripping area

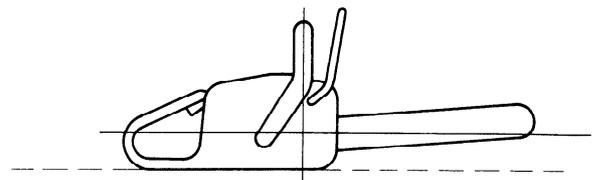


Figure 2 — Free-standing position of the saw

3 Test requirements

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