



DANSK  
STANDARDISERINGSRÅD

Jordbrug

Skovbrugsudstyr. Håndbårne kædesave

Parerbøjle. Bestemmelse af styrke

Forestry machinery — Portable chain-saws — Front hand-guard  
Determination of strength

Dansk Standard

DS/ISO 6534

1. udg. November 1986  
UDK 621.936.6:  
634.0.36:631

Side 1 (2)

Denne standard er identisk (IDT) med International Standard ISO 6534, 1. udgave 1985.

*This standard is identical (IDT) with International Standard ISO 6534, 1st edition 1985.*

## 1 Scope and field of application

This International Standard specifies a test method and the strength requirement for front hand-guards of portable hand-held combustion engine chain-saws for use primarily in forestry.

The hammer shall be raised to a height of 400 mm above the guard and allowed to fall so that it strikes the upper part of the guard at the centre-point of the effective guard length (the mid-point of *B* in ISO 6533) at 45° forward and downward from the guide-bar centreline. See the figure.

## 2 Reference

ISO 6533, identisk (IDT) med DS/ISO 6533, Jordbrug. Skovbrugsudstyr. Håndbårne kædesave. Parerbøjle. Dimensioner

## 3.2 Durability test

This test shall be carried out at the standard reference temperature of  $+ 20 \pm 5$  °C.

## 3 Test procedure

The test shall be carried out with the chain-saw rigidly held by the bar pad. If the guard also serves as the activating device for the chain-brake, it shall be in the braking position.

The hammer shall be raised to a height of 200 mm above the guard and allowed to fall so that it strikes the upper part of the guard at the centre-point of the effective guard length at 45° forward and downward from the guide-bar centreline. This test shall be repeated to a total of 25 blows.

The impact on the guard shall be generated by a blow from a steel hammer, suspended on a pendulum length of 700 mm. The hammer shall have an effective mass of 2,5 kg and be a cylinder of 85 mm diameter. The pendulum arm shall be in the same line as the cylinder axis.

### 3.1 Dynamic test

This test shall be carried out at temperatures of  $+ 40 \pm 2$  °C and  $-25 \pm 3$  °C, measured at the front hand-guard and its mounting.

## 4 Test requirements

The front hand-guard shall not break or crack when tested in accordance with clause 3. The guard shall not deflect as far as to allow the pendulum to swing past. Before and after the test, the dimensions of the guard shall comply with the specifications of ISO 6533.