
International Standard



8380

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Forestry machinery — Portable brush-saws — Circular saw-blade guard — Strength

Matériel forestier — Débroussailleuses portatives — Dispositif de protection de la lame de scie circulaire — Solidité

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Foreword

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Forestry machinery — Portable brush-saws — Circular saw-blade guard — Strength

1 Scope and field of application

This International Standard specifies a test method and the corresponding strength requirements for circular saw-blade guards of portable hand-held combustion engine brush-saws for use primarily in forestry, to test their safety in practical use.

It is not applicable to guards for use with grass-cutter blades.

2 Reference

ISO 7918, *Forestry machinery — Portable brush-saws — Circular saw-blade guard — Dimensions*.¹⁾

3 Test procedure

3.1 The saw-blade shall be removed prior to the test. The test shall be carried out at $+ 40 \pm 2$ °C and $- 25 \pm 3$ °C. It is not necessary to heat up or cool down the whole brush-saw. The

brush-saw shall be mounted on a swivel bracket as close to the power head as possible, with the saw-blade guard downwards (see the figure).

3.2 The impact on the saw-blade guard is generated by a total of 50 blows at each temperature (see 3.1) from a steel hammer, suspended on a pendulum length of 700 mm. The hammer shall have a mass of 2,5 kg and be a cylinder of 85 mm diameter.

3.2.1 The hammer shall be raised to a height of 1 000 mm above the guard and allowed to fall so that it strikes the saw-blade guard rear edge [see figure a)]. There shall be 25 such blows on the rear edge at each temperature (see 3.1).

3.2.2 The hammer shall be raised to a height of 1 000 mm above the guard and allowed to fall so that it strikes the guard from the side [see figure b)]. There shall be 25 such blows from the side at each temperature (see 3.1).

1) At present at the stage of draft.