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## Machinery for forestry — Thrown object guard — Test method and performance criteria

*Matériel forestier — Protection contre les projections d'objets —  
Méthode d'essai et critères de performance*

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# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 General</b> .....	<b>3</b>
<b>5 Laboratory tests</b> .....	<b>3</b>
5.1 Safety.....	3
5.2 Instrumentation.....	4
5.3 Impact object.....	4
5.4 Impact object launcher.....	5
5.5 Calculations.....	5
5.6 Test sample preparation.....	6
5.7 Test setup.....	6
5.8 Test temperatures.....	7
5.9 Test method.....	7
<b>6 Performance requirements</b> .....	<b>8</b>
<b>7 Labelling</b> .....	<b>8</b>
<b>8 Reporting results</b> .....	<b>8</b>
<b>Annex A (normative) Test report</b> .....	<b>9</b>
<b>Bibliography</b> .....	<b>10</b>

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

This second edition cancels and replaces the first edition (ISO 11839:2010), which has been technically revised. It also incorporates the Technical Corrigendum ISO 11839:2010/Cor 1:2012.

The main changes compared to the previous edition are as follows:

- revises the test procedure to a more repeatable and realistic representation of the guarding system.

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](http://www.iso.org/members.html).

## Introduction

Mobile and self-propelled machinery used in forestry and related operations that use powered cutting or grinding attachments can expose the operator to a hazard from thrown cutting or grinding elements, and residual matter created during the cutting or grinding procedures. Guarding meeting the requirements of this document can be incorporated into other operator protective structures (e.g. ROPS, FOPS, OPS) or as provided as an independent guard to provide protection from the hazard from these thrown objects.

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