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**Agricultural machinery — Rotary disc mowers, rotary drum mowers and flail mowers — Test methods and acceptance criteria for protective skirts**

*Matériel agricole — Faucheuses rotatives à disque, faucheuses rotatives à tambour et faucheuses-broyeuses — Méthodes d'essai et critères d'acceptation des jupes de protection*

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## Foreword

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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.

ISO 17103 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 7, *Equipment for harvesting and conservation*.

This second edition cancels and replaces the first edition (ISO 17103:2003), which has been technically revised.

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# Agricultural machinery — Rotary disc mowers, rotary drum mowers and flail mowers — Test methods and acceptance criteria for protective skirts

## 1 Scope

This International Standard specifies requirements and acceptance criteria for testing the protective skirts of rotary disc mowers, rotary drum mowers and flail mowers used in agriculture.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 525, *Bonded abrasive products — General requirements*

ISO 845, *Cellular plastics and rubbers — Determination of apparent density*

## 3 Testing of protective skirts

### 3.1 Tensile resistance test

#### 3.1.1 Procedure

Five horizontal and five vertical samples, 50 mm in width, shall be tested separately in a tensile test machine, allowing a 250 mm sample length to be subjected to a tensile force increasing at a rate of 11 N/s.

In order to ensure repeatability of results, each sample shall be prepared according to 3.1.2. This applies for both the horizontal and the vertical samples.

#### 3.1.2 Preparation of the samples

Five horizontal and five vertical samples shall be cut from a protective skirt material, each with a width of more than 50 mm. The length of each horizontal and vertical sample shall take into account the length of both clamps and shall allow a 250 mm sample length to be subjected to a tensile force.

No damaged or cut twine shall appear within the width of 50 mm. To this end, damaged twines are to be removed successively on each side until a twine does not show any damage over its whole length. The width of the sample shall be 50 mm. In case this is not possible, the width of the sample shall be as near as possible to 50 mm, but not less than 50 mm.

#### 3.1.3 Clamping

The clamping surface of the clamps in the tensile resistance test shall be equivalent to the surface shown in Figure 1. The width of the clamping surface shall be such that an overlap of at least 5 mm on each side, and which is greater than the sample width, is provided.