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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Agricultural machinery -- Rotary and flail mower -- Test
methods and acceptance criteria for protective skirts**

农业机械 旋转式和甩刀式割草机 防护罩（裙）试验方法和验收规范

(English Translation)

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Foreword

This revised standard adopts ISO 17103:2003 "Agricultural Machinery Rotary and flail mowers shield (skirt) test methods and acceptance criteria Income norms "(in English).

This standard is based on ISO 17103:2003 redrafted, and ISO 17103:2003 is a technical difference.

--- Cited international standards of our standards, but our standard is not equivalent to international standards.

For ease of use, this standard also made the following editorial changes.

--- "This International Standard" be replaced by "this standard";

--- Remove the ISO 17103:2003 Foreword.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC201) Agricultural machinery centralized.

This standard was drafted. Country farm machinery Quality Supervision and Inspection Center, Chinese Academy of Agricultural Mechanization Sciences Hohhot branch.

1 Scope

This standard specifies the agricultural rotary mowers and flail guard (skirt) Test methods and acceptance specifications.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2484 Bonded Abrasives - General requirements (GB/T 2484-2006, ISO 525:1999, MOD) GB/T 6343 and foam rubber Determination of apparent density (GB/T 6343-2009, ISO 845:2006, IDT)

3.1.1 Program

Along the protective cover (skirt) of each specimen horizontal and vertical cut five width of 50mm, for each sample tested in the tensile testing machine.

250mm length of the sample to 11N/s rate of pulling force.

3.1.2 Acceptance

If all the transverse and longitudinal tensile specimens subjected to average not less than 3000N, the test result is considered as acceptable.

3.2.1 Program

From protective cover (skirt) on samples taken five round. Each sample is placed on the test device, and left a hole diameter of 100mm test Inspection area. Each sample was 1mm x 45 ° chamfer of 10mm x 10mm punch to 11N/s sample rate impact.

3.2.2 Acceptance

When the average penetration of all the samples subjected to no less than 1000N, and the average penetration energy to bear all the samples is not less than 8N · m when the test result is considered as acceptable.

3.3.1 Program

Along the protective cover (skirt) cut a piece of the entire height of the sample width of 200mm. The sample is placed on a friction machine, there is the free end of the sample 400cm² placed on the surface of the grinding wheel. The width of the grinding wheel should be 200mm, a diameter of 800mm. Installed with a particle size of the abrasive belt 24 (GB/T 2484) of the grinding wheel, and so that it is 25r/min rotation speed.

On the surface of 400cm² of 5N load shall be applied. In order to obtain uniform pressure loading pad should match the shape of the grinding wheel, and should have a thickness

30mm, 35 density foam layer (see GB/T 6343).

3.3.2 Acceptance

If the sample meets one of the following conditions, the test result is considered as acceptable.

- Of armored shields (skirts), after 10,000 rpm reinforced fibers are not worn out;
- Non-armored shields (skirts), its thickness after 10,000 rpm is still more than half of the original thickness.