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

GB/T 14290-2021

Replacing GB/T 14290-2008

Round baler

圆草捆打捆机

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 14290-2008 "Round Baler", compared with GB/T 14290-2008, except for editorial changes. The main technical changes are as follows:

- In the scope of standard application, the strapping material "rope net" has been added (see Chapter 1);
- Added "Terms and Definitions" (see Chapter 3);
- Incorporate the requirements for outsourcing and outsourcing parts into the final assembly technical requirements (see 4.4.1, 3.1.2 in the.2008 edition);
- Added the technical requirements for laser cutting parts (see 4.1.7);
- Improved the index value of the average working time before the first failure (see Table 1, 3.2 Table 1 of the.2008 edition);
- Deleted the technical requirements for the power output shaft (see 3.3.1 of the.2008 edition);
- Deleted the tire technical requirements (see 3.3.3 of the.2008 edition);
- Deleted the fastener installation technical requirements (see 3.4.2 of the.2008 edition);

1 Scope

GB/T 14290-2021 is the Chinese national standard on round baler, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 21 May 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2021. Classification: ICS 65.060.50, CCS B92. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the technical requirements, test methods, inspection rules, markings, packaging, and transportation of round balers (hereinafter referred to as round balers) And storage. This standard applies to round balers using ropes and rope nets as binding materials. Other forms of round balers can be implemented by reference.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 3766-2015 General rules and safety requirements for hydraulic transmission systems and their components

GB/T 5667 Production test method for agricultural machinery

GB/T 9480 Rules for the compilation of manuals for agricultural and forestry tractors and machinery, lawn and garden power machinery

GB 10395.1-2009 Agricultural Machinery Safety Part

3 Terms and definitions

The terms and definitions defined in GB/T 20789 apply to this document.

4.1 General technical requirements

4.1.1 The round baler should meet the requirements of this standard and be manufactured in accordance with the product drawings and technical documents approved by the prescribed procedures.

4.1.2 The surface of the casting should be smooth and clean, and there should be no

defects such as cracks, cold partitions, fleshy, flashing, pits, slag inclusions and sand sticking.

4.1.3 For cold shearing and stamping parts, flashes and burrs should be removed, and stamping parts should not be wrinkled or cracked.

4.1.4 The welds of welded parts shall be uniform, flat and firm, and shall be free from defects such as cracks, burns, undercuts, missing welds, virtual welds and slag inclusions.

4.1.5 The machined mating surface should not have defects such as dents and bumps.

4.1.6 Fasteners, springs, and spring teeth should be galvanized or bluish (black) on the surface.

4.1.7 The quality of the incision of the laser cutting parts should be smooth, and there should be no brittle fracture, material burning and slag formed by melting.

4.2 Main performance indicators The moisture content of the forage grass is between 18% and 25%. Under normal operating conditions, the main performance indicators of the round baler should meet the requirements of Table 1.