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

GB/T 12529.5-2010

Replacing GB 12529.5-1990

**Graphic symbols and codes for grain and oil industry - Part 5:
Storing and handling**

粮油工业用图形符号、代号 第5部分：仓储工业

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Foreword

GB/T 12529 "Graphic Symbols and Codes for Grain and Oil Industry" is divided into five parts.

- Part 1. General part;
- Part 2. Rice milling industry;
- Part 3. Milling industry;
- Part 4. Oil industry;
- Part 5. Warehousing industry. This part is the fifth part of GB/T 12529. This part replaces GB/T 12529.5-1990 "Graphic symbols for grain and oil industry, code storage industry". The main technical differences between this part and GB/T 12529.5-1990 are as follows:
 - Change the standard name to "Graphic Symbols for Grain and Oil Industry, Code Part 5. Warehousing Industry";
 - Revised the bulk truck (rollover), bulk truck (backward), mobile grain absorbing machine, fixed grain absorbing machine, wing wheel type tamping machine, spiral glutinous machine, snail 8 items such as the clearance machine and the scraper clearance machine;
 - Added mobile belt conveyor, horizontal belt conveyor, inclined belt conveyor, rib belt conveyor, vertical screw conveyor Machine, bulk grain train, ship unloader, pit grille, bulk grain truck unloading device, loading slide pipe, ship loader, electric hoist, grab, etc. 13 items;
 - Removed high-belt conveyor, double air belt conveyor, slab conveyor, bare conveyor, mobile bucket elevator, suspension bucket Hoist, belt thrower, drum truck, impeller thrower, mast crane, portable crane, slewing crane, hydraulic tilt Unloading machine, shovel grain truck, fixed rotary stacker, cantilever stacker, folding stacker, four-link stacker, net-dryer, powder 22 bags cleaning machines, washing machines, oil tanks, etc. This part replaces GB/T 12529.5-1990 from the date of implementation. This part is proposed by the National Grain Bureau. This part is under the jurisdiction of the National Grain and Oil

Standardization Technical Committee. This section drafted by: National Grain Reserve Bureau Zhengzhou Scientific Research and Design Institute. The main drafters of this section. Tang Xuejun, Wang Rong, Zhang Zhuoqing, Chen Hongbin. The previous versions of the standards replaced by this section are.

---GB/T 12529.5-1990. Graphic symbols and codes for grain and oil industry Part 5. Warehousing Industry

1 Scope

GB/T 12529.5-2010 is the Chinese national standard on graphic symbols and codes for grain and oil industry - part 5: storing and handling, in the field of food technology. 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 26 September 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 March 2011. Classification: ICS 67.040, CCS X04. 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 part of GB/T 12529 specifies the graphical symbols and codes for grain and oil storage equipment. This section applies to the process flow chart in the field of grain and oil storage and other related fields. This section does not specify items that are not generally expressed in the process flow diagram and those that have been included in GB/T 12529.1.

2 Normative references

The provisions in the following documents become the provisions of this part by reference in this part of

GB/T 12529. Quotations with dated And all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouragement is achieved in accordance with this section. The parties to the agreement study whether the latest versions of these documents can be used. For undated references, the latest edition applies to this section.

GB/T 4457.4 mechanical drawing pattern drawing line

GB/T 12529.1 Graphical symbols and codes for grain and oil industry - Part 1. General part

GB/T 16900 Graphical Symbol Representation Rules General

GB/T 16901.1 Technical documents with graphical symbols to represent rules Part 1. Basic

rules LS/T 1101 terminology for grain and oil storage equipment

3 General regulations

3.1 The graphical symbols and codes specified in this section relate to all aspects of the grain and oil storage production line, as well as various stand-alone machines other than the production line.

3.2 The graphical symbols specified in this section follow the requirements of GB/T 16900 and GB/T 16901.1, using a 0.5M grid system. design.

3.3 When the graphic symbols specified in this part are used, the existing graphic symbols can be made in the same proportion or different proportions in different directions according to the needs. With proper adjustment, the adjusted graphic symbol should be able to completely convey the information of the original graphic.

3.4 The direction of the graphical symbols specified in this section can be rotated by an angle or mirrored as needed, but the text cannot be inverted.

3.5 The drawing of the graphical symbols specified in this section shall be drawn in accordance with the relevant provisions of GB 4457.4, and if necessary, with other relevant line types. use When a computer plotter draws or prints from a printer, the thickness of each line type can change.

3.6 The graphic symbols not specified in this part and GB/T 12529.1 shall be implemented in accordance with relevant national standards or industry standards. National standard When the industry standard is not specified, it can be drawn by itself according to the principle of simple and clear, reflecting the main characteristics of the real thing.

3.7 The terminology in this section is performed in accordance with LS/T 1101.

3.8 This section assigns the corresponding code to each major according to the professional classification of the food industry, and the code uses one of the professional names to reflect one of the characteristics. The letters indicate that the letters are capitalized. Each professional code is. General T; Milled Rice M; Milling F; Grease Y; Storage C.

4 Classification of warehousing industrial graphic symbols and codes

The classification of warehouse industry graphic symbols and codes is as follows:

- a) Transportation. C101~C116;
- b) loading and unloading. C201~C216;
- c) Heap package. C301~C303;