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

GB/T 25398-2010

**Agricultural trailers and trailed equipment -- Braking cylinders
-- Specifications**

农用挂车和牵引式机具 制动用液压缸 技术要求
(English Translation)

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Table of Contents

Foreword
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 Technical Requirements
4.1 Cylinder bore
4.2 Travel
4.3 Connector
5 Dimensions

Foreword

This revised standard adopts ISO 5669. 1982 "Agricultural trailers and trailed equipment brake cylinder technical requirements" (in English).

This standard is based on ISO 5669. 1982 re-drafting, and ISO 5669. 1982 is a technical difference.

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

For ease of use, this section of the ISO 5669. 1982 made the following editorial changes.

--- ISO 5669. 1982 of the "international standards" to "this standard";

--- Deleted international standards foreword;

--- With a decimal point "." As an alternative to the decimal point "." 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. Chinese Academy of Agricultural Mechanization Sciences.

Introduction

The purpose of this standard is to reduce the control of agricultural trailers and trailed equipment with hydraulic cylinder type brake.

Agricultural trailers and trailed equipment Technical Requirements brake cylinder

1 Scope

This standard specifies the mounted and trailed equipment farm trailer axle mechanically operated brake compensator and articulated hydraulic cylinder Main interchangeability dimensions.

NOTE: correct operation of the brake unit with one or more of the required return spring.

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 2878-1993 Hydraulic Components threaded port type and size (neqISO 6149. 1980)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Compensatorcylinder cylinder with compensation means with a plate or side plates fixed to the vehicle chassis and the piston rod is equipped with compensation means (by cable to the brake lever action) of the hydraulic cylinder.

Articulated cylinder A vertical rotating cylinder piston rod hinge axis line.

4.1 Cylinder bore

Cylinder bore should be.

20mm $\pm$ 0.5mm

25mm $\pm$ 0.5mm

30mm $\pm$ 1mm

36mm $\pm$ 1mm

4.2 Travel

Travel should be not less than 100mm.

4.3 Connector

Threaded fittings should be G1/4 or GB/T 2878-1993 specified M14 x 1.5.

5 Dimensions

Cylinder 5.1 with compensation means

5.1.1 Fixed plate

Hydraulic cylinder fixed on a flat plate with a compensating device connection size shall comply with Figure 1.