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

GB/T 25852-2017

Replacing GB/T 25852-2010

Forged steel lifting components of grade 8

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Table of Contents

Foreword

8 steel forging lifting parts

1 Scope

2 normative reference documents

3 terms and definitions

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 25852-2010 "8 grade chain forging lifting parts". Compared with GB/T 25852-2010, the main technical

The technical changes are as follows.

--- modified the scope of application (see Chapter 1,.2010 edition of Chapter 1);

- modified normative references (see Chapter 2,.2010, Chapter 2);

- Amendments to terms such as deletion of work load, validation force, hanging chain, main ring, intermediate main ring, intermediate ring and lower end

(See Chapter 3, Chapter 3 of the.2010 edition);

- modified materials, heat treatment, manufacturing processes, mechanical properties and tests (see Chapters 4 and 5,

Chapter Chapter 9);

--- modified the contents of the logo (see Chapter 6,.2010 edition of Chapter 11);

--- modified the contents of the manufacturer's product certification (see Chapter 7,.2010 edition of Chapter 10);

--- Added the contents of the instruction manual (see Chapter 8);

- Removes the dimensions of the main ring, the middle main ring and the lower end ring of the forged lifting parts (see.2010 edition 4.1 and 4.2).

This standard uses the translation method equivalent to ISO 8539..2009 "8 grade chain steel forging lifting parts" (English version).

And the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

GB/T 16825.1-2008 Tests for static uniaxial testing machines - Part 1. Tensile force systems for tension and/or pressure testing machines

Of the inspection and calibration (ISO 7500-1:2004, IDT)

For ease of use, this standard has been modified as follows.

--- Standard name is changed from "8 grade chain steel forging lifting parts" to "8 grade steel forging lifting parts".

This standard is proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Standardization Technical Committee for Crane Machinery (SAC/TC227).

The drafting of this standard. Zhejiang Double Bird Machinery Co., Ltd., Beijing lifting transport machinery design and Research Institute, Juli rigging Co., Ltd.,

Anji Changhong Chain Co., Ltd.

1 Scope

This standard specifies the basic requirements for the eight-stage steel forged lifting parts (hereinafter referred to as "parts") with a maximum working load of not more than 63t.

It is mainly used for the following lifting sling.

--- GB/T 20652 and GB/T 25853 provisions of the hanging chain;

--- ISO 7531 in the provisions of the wire rope sling;

--- knitting sling.

This standard does not apply manual forged parts, welded links and other welded parts.

2 normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article

Pieces. For undated references, the latest edition (including all modifications) applies to this document.

ISO 643 steel apparent grain size of the micro-metallographic determination
(Steels-Micrographical determination of the

apparent grain size

ISO 7500-1 Metallic materials - Tests for static uniaxial testing machines - Part 1. Tensile force systems for tension and/or pressure testing machines

(Metalicmaterials-Verificationofstaticuniaxialtestingmachines-Part 1. Tension /
compressiontestingmachines-Verification andcalibrationoftheforce-measuringsystem)
EN 10025-2..2004 Hot rolled products of structural steels - Part 2. Non-alloy structural steel
delivery conditions (Hotroledproducts
ofstructuralsteels-Part 2. Technicaldeliveryconditionsfornon-alostructuralsteels
EN10228-1 Nondestructive testing of forged steel parts - Part 1.
Non-destructivetestingofsteel
forgings-Part 1. Magneticparticalinspection)
EN10228-2 Nondestructive testing of forged steel parts - Part 2. Non-destructing test
forgings-Part 2. Penetranttesting)

3 terms and definitions

The following terms and definitions apply to this document.

3.1

Limit working load workingloadlimit

WLL

Under normal lifting conditions, the parts are designed to withstand the maximum quality.

3.2

Manufacturing validation power

MPF

The test force applied to the part during the manufacturing verification process.

3.3

Breaking force

BF

During the static tensile test, the maximum tensile strength of the part is broken.