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

GB/T 27696-2011

Forged steel eyebolts grade 4 for general lifting purposes

一般起重用4级锻造吊环螺栓

(English Translation)

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Foreword

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

This standard uses the translation method identical with ISO 3266:2010 "general lifting four forged eyebolts." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 193 series ordinary thread diameter and pitch (GB/T 193-2003, ISO 261:1998, MOD);

--- GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, MOD);

--- GB/T 230.1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T standard Feet) (GB/T 230.1-2009, ISO 6508-1:2005, MOD);

--- GB/T 231.1 metallic materials Brinell hardness test - Part 1. Test method (GB/T 231.1-2009, ISO 6506-1:2005, MOD);

--- GB/T 229 metal Charpy pendulum impact test method (GB/T 229-2007, ISO 148-1:2006, MOD);

--- GB/T 3808 pendulum impact testing machines (GB/T 3808-2002, ISO 148-2:1998, MOD);

--- GB/T 27025 testing and calibration laboratories General requirements (GB/T 27025-2008, ISO/IEC 17025.

2005, IDT).

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee crane (SAC/TC227) centralized.

This standard by the Beijing Materials Handling Research Institute is responsible for drafting the design.

Introduction

The standards are GB/T 15706 in the divided class C standard.

In the scope of this standard it is indicated in four forged eyebolts and associated risk factors involved, dangerous conditions and injury events.

For equipment designed and manufactured according to the class C standard, when certain predetermined criteria for Class C and Class A or Class B standard regulations vary at the same time, it should be given priority C class standards.

General lifting four forged eyebolts

1 Scope

This standard specifies the general lifting four forged eyebolts basic parameters, performance and critical dimensions, these characteristics of the eyebolts and compatibility with the other components equipped with necessary. Such eyebolts can be used for vertical and oblique lifting loads.

This standard specifies the size of the eye for eye bolts and shackles for the same working load limit of GB/T 25854 defined Directly attached. Can also be designed larger size and eye, so that the chain can hook assembly have the same working load limit directly attached.

The standard Chapter 4 identified all major risk factors related to 4 eyebolts, dangerous

conditions and damage events.

The standards required four eyebolts temperature range of -20 °C ~ 200 °C.

This standard does not apply to non-integral forged eyebolts.

This standard does not apply to standard before publication produced four forged eyebolts.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Check tension and (or) pressure testing machine force measuring system. GB/T 16825.1-2008 static uniaxial testing machines - Part 1 Test and calibration (ISO 7500-1:2004, IDT) ISO 148-1 metallic materials - Charpy pendulum impact test - Part 1. Test method (Metalicmaterials-Charpy pendulumimpacttest-Part 1. Testmethod) Identification of the test machine (Metalicmaterials-. ISO 148-2 summer metallic materials testing - Part 2 pendulum impact than Charpy pendulum impact test-Part 2. Verification of testing machines) ISO 261 ISO general purpose metric thread diameter and pitch series (ISO general purposes screw threads-General plan) Micrographics Determination of ISO 643 steel surface granularity (Steels-Micrographic determination of the apparent grain size) ISO 965-1 ISO general purpose metric screw threads - Tolerances - Part 1. Principles and basic data (ISO general purpose metric screw threads-Tolerances-Part 1. Principles and basic data) ISO 6506-1 metallic materials Brinell hardness test - Part 1. Test method (Metalicmaterials-Brinell hardness test-Part 1. Test method) ISO 6508-1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T standard Feet) [Metalicmaterials-Rockwell hardness test-Part 1. Test method (scales A, B, C, D, E, F, G, H, K, N, T)] ISO/IEC 17025 General requirements for testing and calibration laboratories (General requirements for the competence of testing and calibration laboratories) EN10228-1 destructive testing of steel forgings - Part 1. Magnetic particle testing (Non-destructive testing of steel forgings-Part 1. Magnetic particle inspection) EN10228-2 destructive testing of steel forgings - Part 2. Penetrant testing (Non-destructive testing of steel forgings-Part 2. Penetrant testing)