

ICS 13.260

CCS K47



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

GB/T 13034-2008

Replacing GB/T 13034-2003

Insulated pulleys for live working

带电作业用绝缘滑车

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Foreword

This standard replaces GB/T 13034-2003 "live working with insulating block." This standard compared with GB/T 13034-2003, this revision of the main contents are.

--- The standard of this chapter, shall be re-arrangement, an increase of Annex A, Annex B.

--- To make the test more realistic conditions, the electrical properties of the test voltage is applied to the way you make changes. This standard Annex A, Annex B normative appendix. The standard proposed by China Electricity Council. This standard by the National Standardization Technical Committee work and live under the jurisdiction responsible for the interpretation. This standard by the State Grid Wuhan High Voltage Research Institute, Ningbo Tianhe power equipment limited liability company responsible for drafting. Drafters of this standard. Yi-hui, just to Qiu, Hu Yi, Zhang Lihua. This standard replaces the standards previously issued as follows:

--- GB/T 13034-1991; GB/T 13034-2003. Live working with insulating block

1 Scope

GB/T 13034-2008 is the Chinese national standard on insulated pulleys for live working, in the field of environment and health protection, safety. 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 24 September 2008 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 August 2009. Classification: ICS 13.260, CCS K47. 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 live working with insulating block of requirements, test methods, inspection rules and marking. This standard applies to insulation block used in live working on high-voltage electrical equipment.

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 1303.1 epoxy glass cloth laminate (GB/T 1303.1-1998, neq IEC 60893-3-2.1993)

GB/T 6179 I Hexagon slotted nut C class (

GB/T 6179-1986, neq ISO /DIS7037. 1982)

GB/T 6181 Hexagon thin slotted nuts Class A and Class B (

GB/T 6181-1986, neq ISO /DIS7038. 1982)

GB/T 16927.1 High-voltage test techniques - Part 1. General test requirements (GB/T 16927.1-1997, eqv IEC 60060-1. 1989)

HG/T 2349 1010 polyamide resin

3.1 Overall technical requirements

- a) parts and assemblies after drawing press pass before assembly;
- b) After the pulley assembly in the shaft should be rotating flexible without jamming and grazing the rim phenomenon;
- c) hooks, rings hanging in the beam should be flexible rotation;
- d) The cotter pin can not be bent outward, and removal of excess portion;
- e) up the side of the bolt nut portion is not greater than 2mm;
- f) side openings in the range of 90 ° without jamming.

3.2 Electrical Performance Various types of electrical insulation performance should tackle by AC frequency 30kV (rms) 1min pressure test. among them, Insulated hook-type pulley should be able to exchange power frequency 44kV (rms) 1min pressure test. Test with no heat, no breakdown is qualified.

3.3 Mechanical properties

- a) various types of insulation block should satisfy 5kN, 10kN, series rated load 15kN, 20kN

requirements (amount here Fixed load means the load carrying hook);

b) various types of insulation should tackle mechanical performance by

2.0 times the rated load, duration 5min mechanical tension Test, test with no permanent deformation or cracks qualified;

c) various types of insulation tension pulley destruction not less than

3.0 times the rated load.

3.4 insulating material and process requirements of each pulley member

3.4.1 hooks, rings

3.4.1.1 Materials Should 40Cr alloy steel or other mechanical properties of structural steel of not less than 40Cr steel.

3.4.1.2 technological requirements

a) must forgings, machined before normalizing;