ICS 37.020
CCS N31

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 17117-2008

Replacing GB/T 17117-1997

Binoculars

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Foreword

The revised standard integration and replaces GB/T 17117-1997 "prism binoculars", GB/T 17118-1997 "Galilean double Head telescope. " This standard and GB/T 17117-1997, the main difference GB/T 17118-1997 version is.

--- The two standards into one, the same contents to merge.

--- Standard name changed to "binoculars."

--- Test Method for optical properties and structural performance indicators by GB/T 18312-2001 "binoculars inspection rules" set forth in method. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee photon science and optics (SAC/TC103) centralized. This standard was drafted. Shanghai Polytechnic University, China Ordnance Industry Standardization Institute. The main drafters of this standard. Huang Weijia, Hu Yu, wheat Green Wave. This standard replaces the standards previously issued as follows:

--- GB/T 17117-1997;

--- GB/T 17118-1997. Binocular Telescope

1 Scope

GB/T 17117-2008 is the Chinese national standard on binoculars, in the field of image 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 30 December 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 37.020, CCS N31. 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 binoculars classification, requirements, test methods, inspection rules, marking, packaging, transportation and storage. This standard applies to the manufacture and acceptance binoculars, telescopes can also be other types of reference use.

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 1185 optical part surface flaws (GB/T 1185-2006, ISO 10110-7.1996, NEQ)

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (GB/T 2828.1-2003, ISO 2859-1.1999, IDT)

GB/T 2829 periodic inspection Sampling procedures and tables (suitable for process stability test)

GB/T 18312-2001 binoculars inspection rules

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 After approximately parallel light beam through an optical system support, the degree of parallel beams of light emitted by two, divided into horizontal (converge or diverge) and vertical Direction, in degrees.

3.2 The left and right eyepiece diopter zero, the height difference around the end face of the eyepiece goggles.

3.3 About supporting the optical system as the absolute value of the inclination of the algebraic difference. Expressed in degrees. Category

4 Binocular Telescope (hereinafter referred to as the telescope) and divided prism binoculars Galilean binoculars. Wherein the prism binocular hope Telescope according to performance requirements are divided into class I, II type, III class. Class I belong high precision, II type followed, III class as the basic requirements.

5 Requirements

5.1 Optical Performance The optical performance of the telescope tolerance specified in

Table 1.