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Optics and optical instruments — Specifications for astronomical telescopes

Optique et instruments d'optique — Spécifications pour télescopes astronomiques



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Foreword

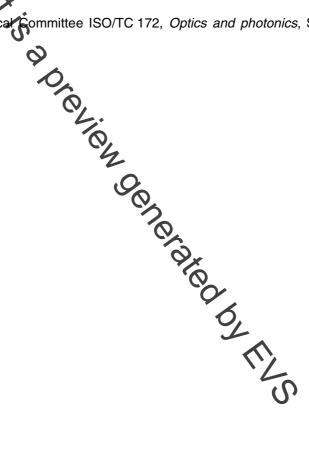
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ISO 14134 was prepared by Technicat sommittee ISO/TC 172, *Optics and photonics*, Subcommittee SC 4, *Telescopic systems*.



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Optics and optical instruments — Specifications for astronomical telescopes

1 Scope

This International Standard applies to astronomical telescopes, including finder telescopes, and to their functional specifications

These specifications are restricted to amateur astronomical telescopes, which should be distinguished from hand-held or mounted general purpose monocular telescopes.

2 Normative references

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

ISO 68-1, ISO general purpose screw threads — Part 1: Metric screw threads

ISO 10109-4:2001, Optics and optical instruments — Part 4: Test requirements for telescopic systems

ISO 14132-1, Optics and optical instruments — Vocabulary fortelescopic systems — Part 1: General terms and alphabetical indexes of terms in ISO 14132

ISO 14132-4, Optics and optical instruments — Vocabulary for plescopic systems — Part 4: Terms for astronomical telescopes

ISO 14490-4, Optics and optical instruments — Test methods for telescopic systems — Part 4: Test methods for astronomical telescopes

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 14132-1and ISO 14132-4 shall apply.

4 Specifications

4.1 Optical characteristics: values and tolerances

The values and tolerances for optical characteristics of astronomical telescopes are specified in Table 1.

The characteristics specified in Table 1 shall be measured in accordance with ISO 14490-4.