

"After that, when designing a telescope in real-world, we should strictly adhere to international engineering standards to ensure precision and reliability. Firstly, we have the ISO 14134:2006 – Specifications for astronomical telescopes. This standard applies to astronomical telescopes, including finder telescopes, and focuses on functional specifications for amateur astronomical telescopes. It also distinguishes these telescopes from hand-held or mounted general-purpose monocular telescopes. Next, we have the ISO 14132-1:2016 – Optics and photonics — Vocabulary for telescopic systems. This standard provides a comprehensive vocabulary for understanding telescope components and functionality. It covers general terms related to telescopic systems, which are fundamental in the design process. Lastly, we look to the ANSI Z80.1-2015. This standard defines tolerances for prescription eyewear lenses. While it's more pertinent to ophthalmic lenses, the commitment to ensuring quality and safety as outlined in this standard is something we should emulate in the design of telescopes."