

Indian Standard IS 8275 : 1976 - Binocular Eyepieces for Microscope

Binocular eyepiece is an attachment to a monocular microscope to present to both the eyes identical or congruent images under magnification for ease of prolonged and continuous use without imposing strain on one eye alone.

A monocular microscope has only one lens and offers view to only one eye. Binocular eyepiece enables one to view using both eyes by separating the beam received from the objective into two by a beam splitter, bringing beams to foci at similar heights.

While choosing a binocular, one which enables strain-free viewing, offers proper magnification, and functions as per requirement will be preferred by the user.

Indian Standard IS 8275 : 1976 'Binocular Eyepieces for Microscope, developed by the Bureau of Indian Standards (BIS), covers the general and functional requirements of binocular eyepieces for microscope.

Conformity to this standard ensures that all general and functional requirements are adhered to and meet consumer's expectations, such as optimum magnification offered by eyepieces, defect free prisms employed, tube length of microscope being within tolerance levels, etc.

So whether it is for scientific research and educational purposes, medical diagnostics or forensic investigations, BIS standard mark in your Binocular Microscope will offer the assurance one needs to carry their business seamlessly.