



Precision cover glasses thickness No. 1.5H for high performance microscopes

Modern high-performance microscope objectives are designed to be used with cover glasses of a thickness of 170 μm . The quality of the cover glass, in particular the compliance with the nominal thickness, has thereby a crucial impact on the imaging quality. Variations of thickness reduce the image contrast and result in image defects, most notably in spherical aberration.

We produce high-precision cover glasses with thickness No. 1.5H featuring an exceptionally accurate thickness of 170 $\mu\text{m} \pm 5 \mu\text{m}$. This new generation of cover glasses are highly recommended for objectives with high numerical aperture and high resolution, for example:

- dry objectives: N.A. > 0.7
- objectives for water immersion: N.A. > 1.0
- objectives for glycerol immersion: N.A. > 1.2
- objectives for oil immersion: N.A. > 1.3
- made of chemically resistant borosilicate glass D 263™ M of the first hydrolytic class
- absolutely colourless, perfectly clear, suitable for fluorescence microscopy
- in compliance with DIN ISO 8255
- thickness No. 1.5H (0.170 mm \pm 0.005 mm)
- approved for in-vitro diagnostic (IVD) applications according to IVD directive 98/79/EC, with CE-mark and batch number for comprehensive information and traceability

Cat. No.	Size	Multipack	Unit
Hinged lid boxes containing 200 or 100 pieces Minimum quantity is 2000 pieces per size and order.			
▶ 01 070 32	18 x 18 mm	25 x 2000	2000
▶ 01 070 52	22 x 22 mm	25 x 2000	2000
▶ 01 072 22	24 x 50 mm	25 x 1000	1000
▶ 01 072 42	24 x 60 mm	25 x 1000	1000
Two-part boxes containing 100 pieces Minimum quantity is 1000 pieces per order.			
▶ 01 175 80	18 mm \varnothing	100 x 1000	1000

For other sizes, please send us your enquiry.