



Optique Peter

OPTICAL & MECHANICAL ENGINEERING

BINOCULAR FOR MACROSCOPIC OBSERVATION IN HOT CELLS



Technical features

Binocular for macroscopic observation in hot cell

- Compensation of the optical aberrations of thick hot cell radiation resistant glasses
- Adjustable stereoscopic observation angle according to focusing distance, allows fine stereoscopic observation from 1,5 m to infinite
- 10x, 14X, 20X and 28X magnification with different oculars

Field of view with 10X oculars (mm)	Field of view with 20X oculars (mm)	Distance in air (*) (mm)	Window thickness (mm)	Total distance (mm)
120	65	515	940	1455
180	96	1000	940	1940
300	160	2000	940	2940
420	223	3000	940	3940
540	286	4000	940	4940
660	350	5000	940	5940
780	414	6000	940	6940

(*) Distance in air = External Distance + Internal Distance

- External Distance: Distance from binocular to external window face

- Internal Distance: Distance between internal window face to specimen



10X Ocular



20X Ocular

Tripods and dolly



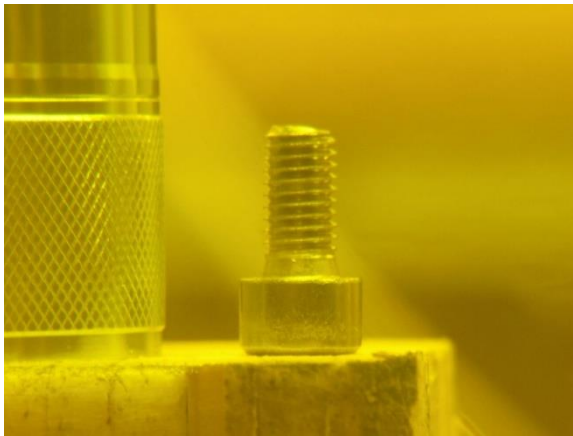
Digital cameras compatibility

Easy image acquisition with a digital camera

- Wide field oculars allow easy image acquisition with a digital camera



Image taken through a 900 mm thick hot cell window



Binocular / object distance: 1,6 m



Binocular / object distance: 2,8 m

