



3

Siedentopf-type binocular head. Adjustable head inclination between 0° and 40°

1

Quintuple nosepiece with plan achromatic objectives. Inverted nosepiece

5

2

Köhler illumination system with field and aperture diaphragms for an optimal light intensity adjustment

Double layer mechanical stage of large dimensions (160x180 mm).

4

Control knobs (focusing, stage translation and light intensity adjustment knobs) located at a lower position and easily accessible to keep always arms leant on the table and adopt a relaxed position

► Microscopes series 158, technical chart

Code	HBC013	HBC014
Head	Binocular	Trinocular
Inerpupillary distance	55-75 mm	
Diopter correction	± 5 dioptries in left eyepiece holder	
Eyepieces	WF10x / 22 mm, for users with glasses	
Stage	Double layer mechanical stage, 160x180 mm	
Nosepiece	Quintuple, inverted	
Objectives	Plan achromatic: 4x,∞ (N.A.: 0.10); 10x, ∞ (N.A.: 0.25) 20x, ∞ (N.A.: 0.40); 40x,∞ (R) (N.A.: 0.65); 100x, ∞ (R) (I) (N.A.: 1.25)	
Illumination	Köhler type	
Condenser	Abbe (A.N.: 1.25), with swing-out upper lens	
Diaphragms	Field and aperture	
Filters	Movable filter holder, green and yellow filters included	
Lamp	Halogen 12 V, 50 W with intensity adjustment	



#### Mechanical features that guarantee the resistance and robustness of the equipment

- 1 | Sturdy and solid microscope provided with base to assure a complete stability.
- 2 | Double layer mechanical stage of large dimensions (160x180 mm). Equipped with a clamp to hold up to 2 slides and with a movement range of 80x50 mm.
- 3 | Lamp placed in an accessible compartment to easily replace the bulb. With knobs to center the lamp without the need of using screwdrivers or any other object.



#### The best ergonomics

The following features take place in Zuzi microscopes series 158 to assure a comfortable and tension-free position that prevents the appearance of fatigue or damages after prolonged observations:

- 1 | Siedentopf-type binocular head with interpupillary distance adjustment and diopter correction, allowing adapting to any kind of user. Equipped with eyepieces suitable for users with glasses.
- 2 | Adjustable head inclination between 0° and 40° to adapt to the height and natural head position of each user, avoiding tension in neck, shoulders and back.
- 3 | Control knobs (focusing, stage translation and light intensity adjustment knobs) located at a lower position and easily accessible to keep always arms leant on the table and adopt a relaxed position.
- 4 | Inverted nosepiece that facilitates placing the objectives and leave more space to handle and change the sample.



#### High quality optical system to assure obtaining images that will satisfy the most demanding users

- 1 | Infinity corrected optics; it allows adding accessories all along the optical path without suffering from distortions or aberrations in the obtained image.
- 2 | Quintuple nosepiece with plan achromatic objectives that correct the optical and spherical aberrations providing an excellent image quality.
- 3 | Köhler illumination system with field and aperture diaphragms for an optimal light intensity adjustment.
- 4 | Abbe condenser with a swing-out upper lens that guarantees an appropriate illumination of the sample with each one of the microscope objectives.
- 5 | High power halogen lamp (50 W) with intensity adjustment to adapt to any kind of sample.