

Micrometer Heads SERIES 148 — Locking-screw Type

Secure spindle



- This model with enhanced clamping force created by a locking screw can be reliably used on positioning equipment or instruments constantly exposed to vibration.
- Position of the locking screw is the same as the sleeve index line.

SPECIFICATIONS

Metric										
Code No.	Range (mm)	Graduation (mm)	Stem dia. (mm)	Stem	Spindle end	Graduation features	Maximum permissible error J_{MPE} (μm)			
148-220-10	0 - 6.5	0.01	6	Plain	Flat	Standard	±5			
148-221-10				W/clamp nut						
148-222-10				Plain	Spherical (SR3)					
148-223-10				W/clamp nut						
148-150-10	0 - 13		9.5	Plain	Flat		Standard	±2		
148-151-10				W/clamp nut						
148-152-10				Plain	Spherical (SR4)					
148-153-10				W/clamp nut						
148-316-10	0 - 6.5			Plain	Flat				Standard	±2
148-317-10				W/clamp nut						
148-318-10				Plain	Spherical (SR4)					
148-319-10				W/clamp nut						

- Measuring face: Material/Alloy tool steel, Hardness/60 HRC or more, Lapped
 - Scale finishing: Satin-chrome plated
- Note: Refer to page 03-49 for details of the recommended maximum loading limit.

Inch							
Code No.	Range (in)	Graduation (in)	Stem dia. (in)	Stem	Spindle end	Graduation features	Maximum permissible error J_{MPE} (in)
148-230-10	0 - 0.25	0.001	0.25	Plain	Flat	Standard	± 0.00025
148-231-10				W/clamp nut			
148-232-10				Plain	Spherical (SR3)		
148-233-10				W/clamp nut			
148-160-10	0 - 0.5		0.375	Plain	Flat		± 0.0001
148-161-10				W/clamp nut	Spherical (SR4)		
148-162-10				Plain			
148-163-10				W/clamp nut	Flat		
148-326-10	0 - 0.25			Plain			
148-327-10				W/clamp nut			
148-328-10				Plain			
148-329-10				W/clamp nut			

- Measuring face: Material/Alloy tool steel, Hardness/60 HRC or more, Lapped
 - Scale finishing: Satin-chrome plated
- Note: Refer to page 03-49 for details of the recommended maximum loading limit.

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Plain Stem



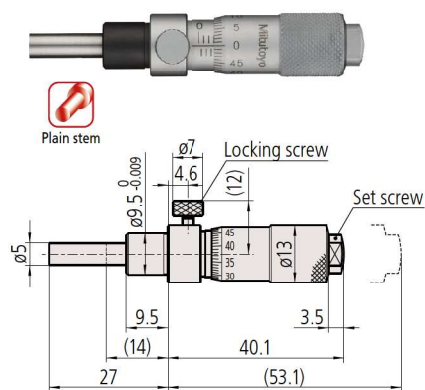
Unit: mm



(): with spindle fully retracted.

DIMENSIONS

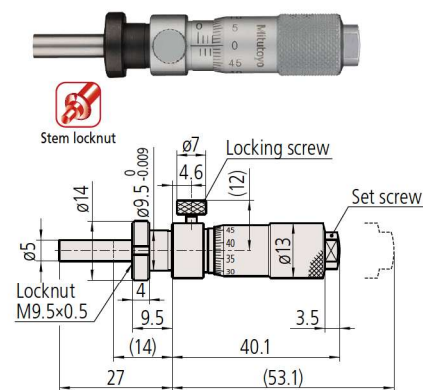
Plain Stem



148-150-10 Mass: 40 g

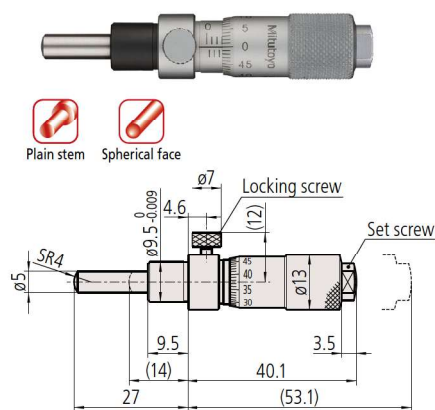
Stem Locknut

Unit: mm



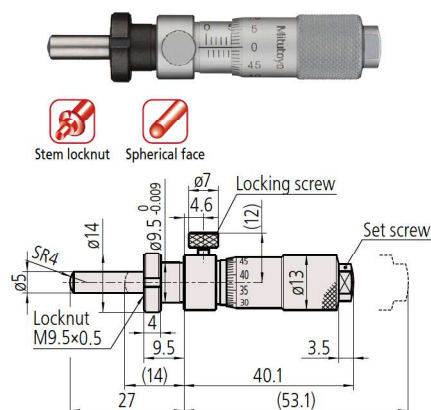
• Fixture thickness: 6 mm
148-151-10 Mass: 43 g

Plain Stem



Spherical face (SR4)
148-152-10 Mass: 40 g

Stem Locknut



Spherical face (SR4) • Fixture thickness: 6 mm
148-153-10 Mass: 43 g

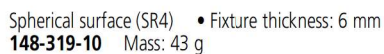
(): with spindle fully retracted.

Micrometer Heads SERIES 148 — Locking-screw Type

Plain Stem



Unit: mm



(): with spindle fully retracted.