

Secure spindle



Locking screw



Micrometer Heads SERIES 148 — Locking-screw Type

- 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

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			
148-162-10				Plain	Spherical (SR4)		
148-163-10				W/clamp nut			
148-326-10	0 - 0.25			Plain	Flat		
148-327-10				W/clamp nut			
148-328-10				Plain	Spherical (SR4)		
148-329-10				W/clamp nut			

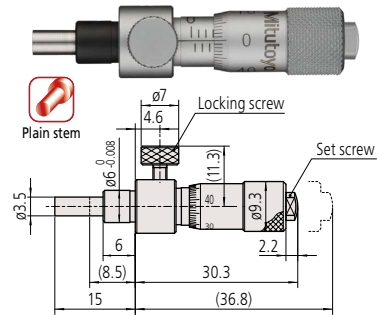
- Measuring face: Material/Alloy tool steel, Hardness/60 HRC or more, Lapped
- Scale finishing: Satin-chrome plated

Micrometer Head

Micrometer Heads
SERIES 148 — Locking-screw Type

DIMENSIONS

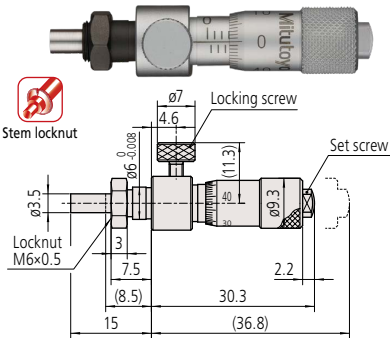
Plain Stem



148-220-10 Mass: 16 g

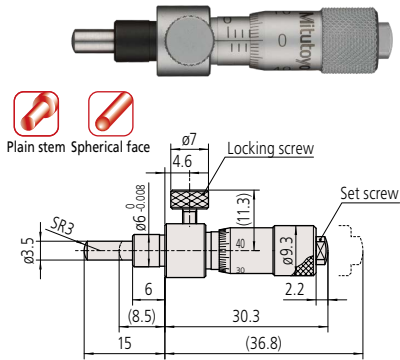
Stem Locknut

Unit: mm



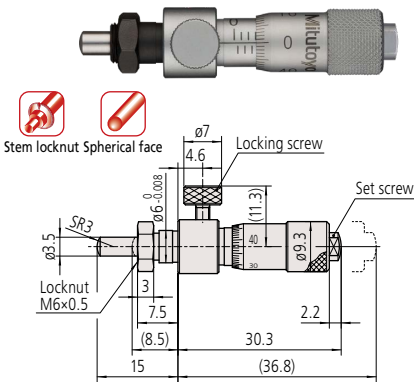
• Fixture thickness: 4 mm
148-221-10 Mass: 17 g

Plain Stem



Spherical face (SR3)
148-222-10 Mass: 16 g

Stem Locknut

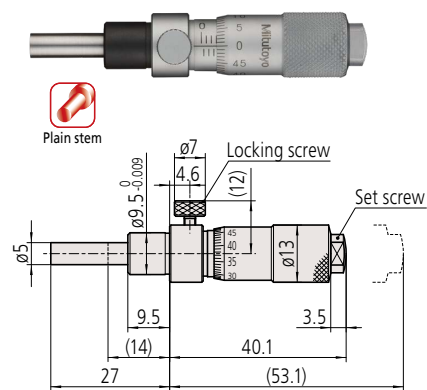


Spherical face (SR3) • Fixture thickness: 4 mm
148-223-10 Mass: 17 g

() : with spindle fully retracted.

DIMENSIONS

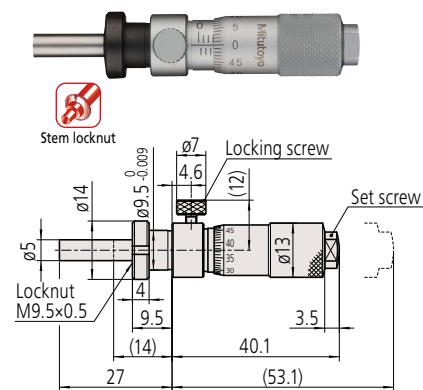
Plain Stem



148-150-10 Mass: 40 g

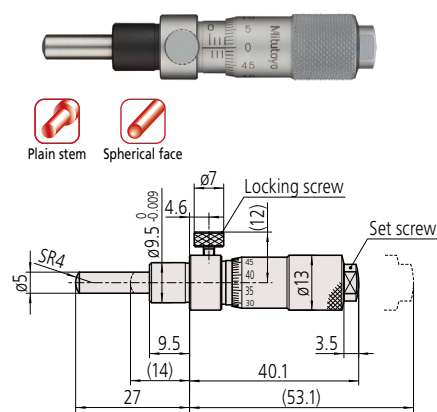
Stem Locknut

Unit: mm



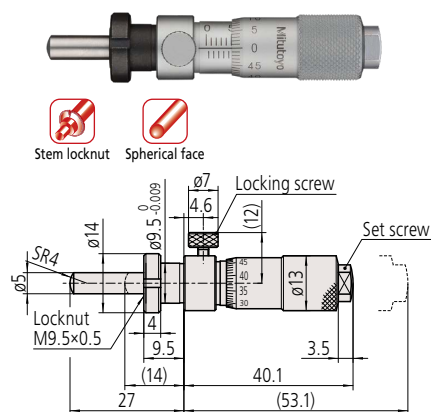
• Fixture thickness: 6 mm
148-151-10 Mass: 43 g

Plain Stem



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

Stem Locknut

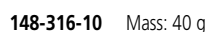


Spherical face (SR4) • Fixture thickness: 6 mm
148-153-10 Mass: 43 g

(): with spindle fully retracted.

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Plain Stem



Stem Locknut

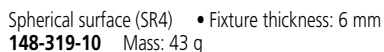
Unit: mm



Plain Stem



Stem Locknut



(): with spindle fully retracted.