

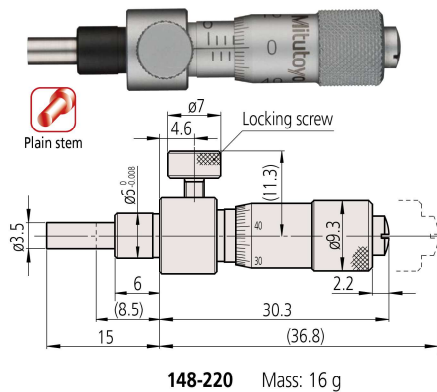


Micrometer Heads SERIES 148 — Locking-screw Type

- Locking screw provides secure locking at any position of the spindle.
- Position of the locking screw is the same as the sleeve index line.

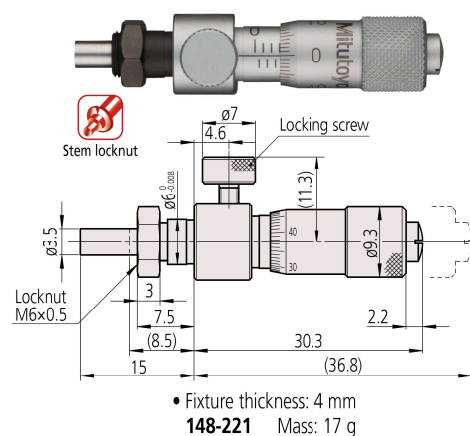
DIMENSIONS

Plain Stem

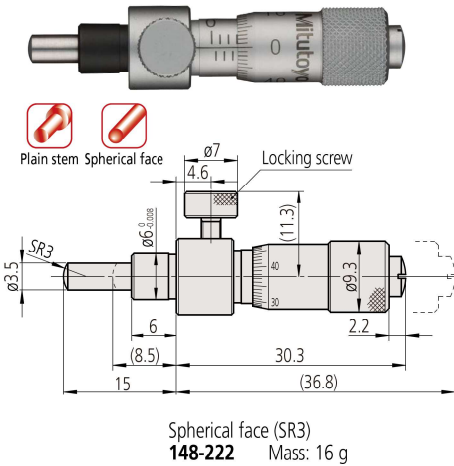


Stem Locknut

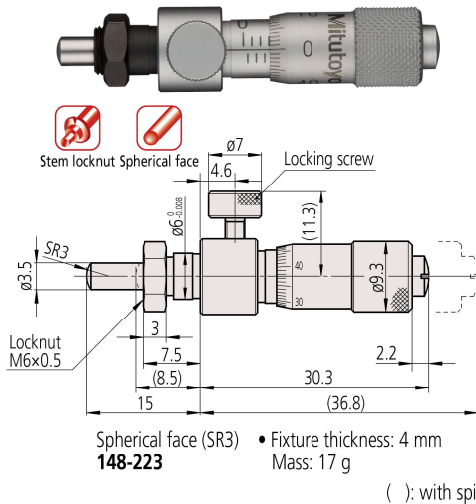
Unit: mm



Plain Stem



Stem Locknut



(): with spindle fully retracted.

SPECIFICATIONS

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

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

Micrometer Head

The origin of Mitutoyo's trustworthy brand of small tool instruments

Micrometer Heads SERIES 148 — Locking-screw Type

Technical Data

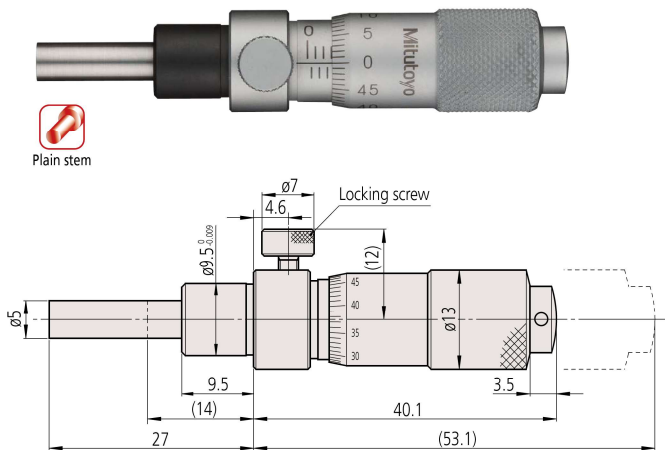
- Measuring face
Material: Alloy tool steel
Hardness: 60 HRC or more
Lapped
- Scale finishing:
Satin-chrome plated

DIMENSIONS

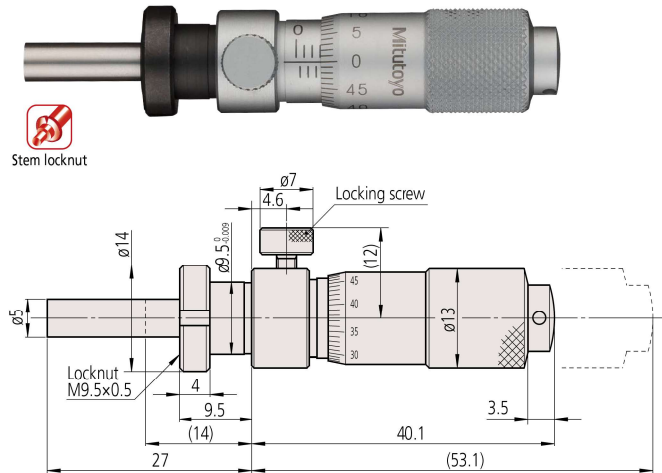
Plain Stem

Stem Locknut

Unit: mm



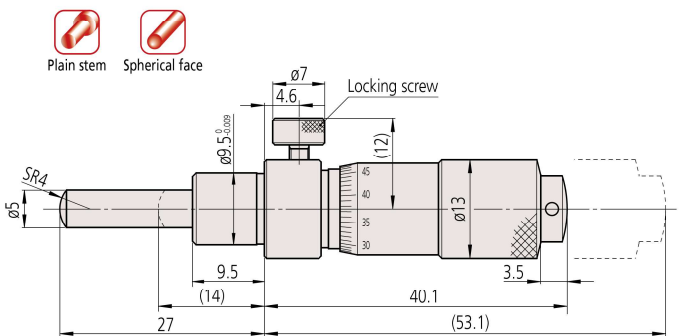
148-150 Mass: 40 g



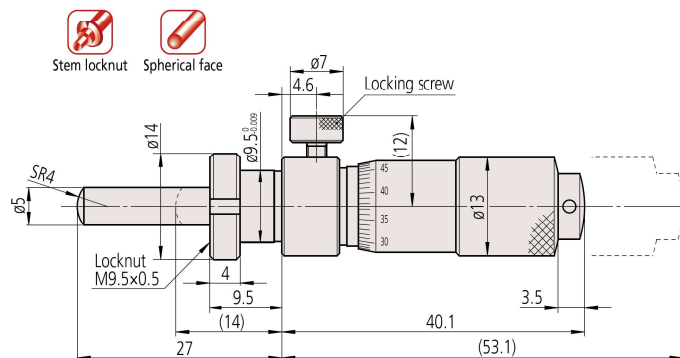
• Fixture thickness: 6 mm
148-151 Mass: 43 g

Plain Stem

Stem Locknut



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



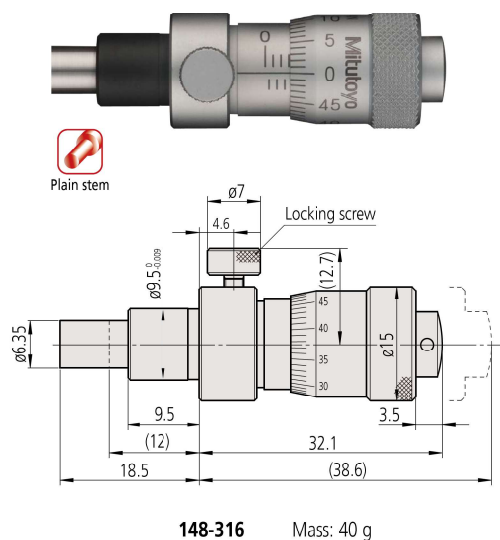
Spherical face (SR4) • Fixture thickness: 6 mm
148-153 Mass: 43 g

(): with spindle fully retracted.

Micrometer Heads SERIES 148 — Locking-screw Type

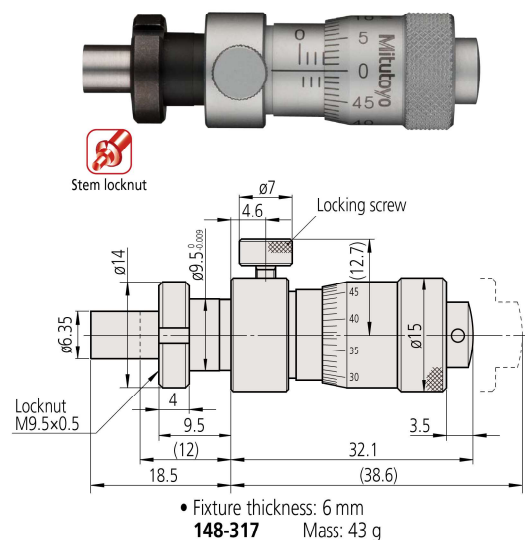
DIMENSIONS

Plain Stem

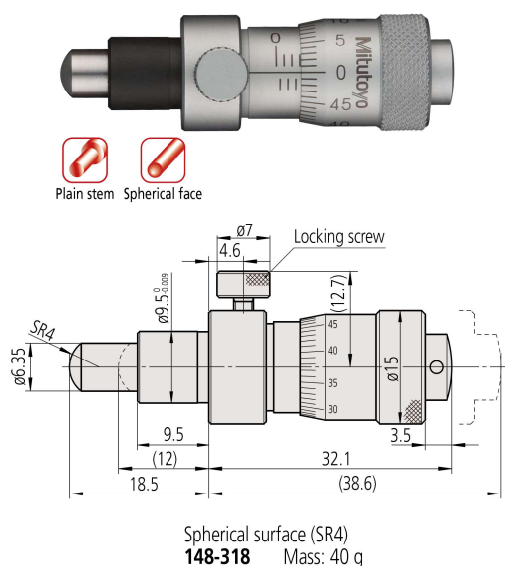


Stem Locknut

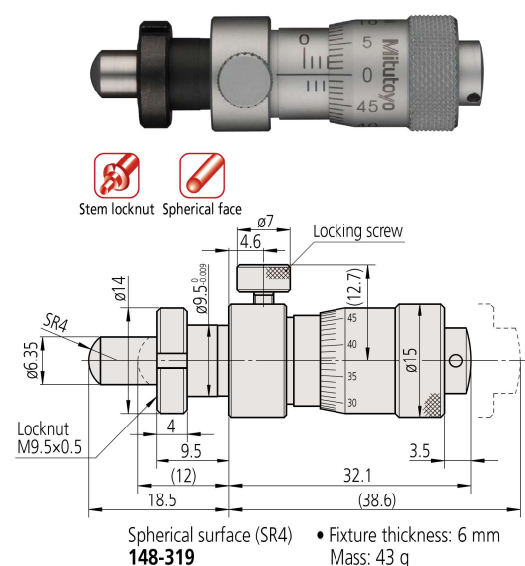
Unit: mm



Plain Stem



Stem Locknut



(): with spindle fully retracted.