



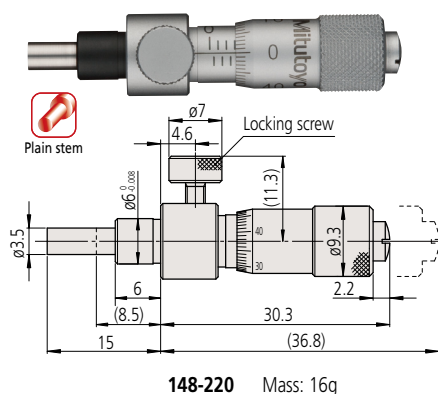
Secure spindle

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.

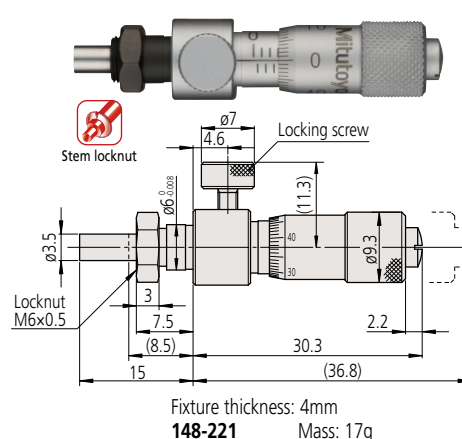
DIMENSIONS

Plain stem



148-220 Mass: 16g

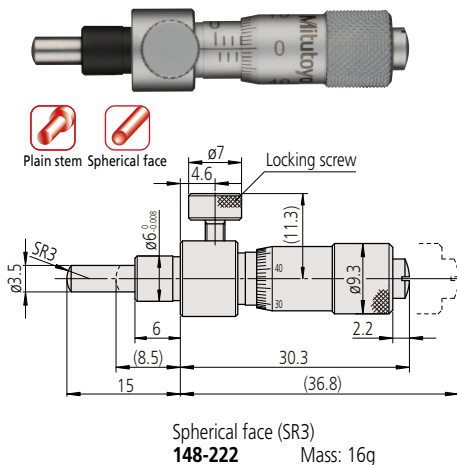
Stem locknut



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

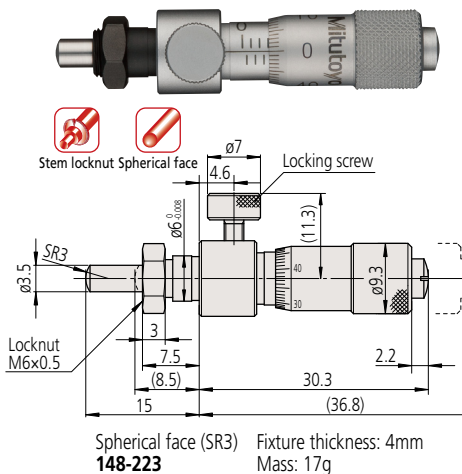
Unit: mm

Plain stem



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

Stem locknut



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

(): With spindle fully retracted.

SPECIFICATIONS

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

Inch							
Order No.	Range	Graduation	Accuracy	Stem dia.	Stem	Spindle end	Graduation features
148-230	0 - .25"		±.00025"	.25"	Plain	Flat	Standard
148-231					W/ clamp nut		
148-232					Plain	Spherical (SR3)	
148-233	W/ clamp nut						
148-160	0 - .5"	.001"	±.0001"	.375"	Plain	Flat	
148-161					W/ clamp nut		
148-162					Plain	Spherical (SR4)	
148-163	W/ clamp nut						
148-326	0 - .25"		±.0001"	.375"	Plain	Flat	
148-327					W/ clamp nut		
148-328					Plain	Spherical (SR4)	
148-329	W/ clamp nut						