

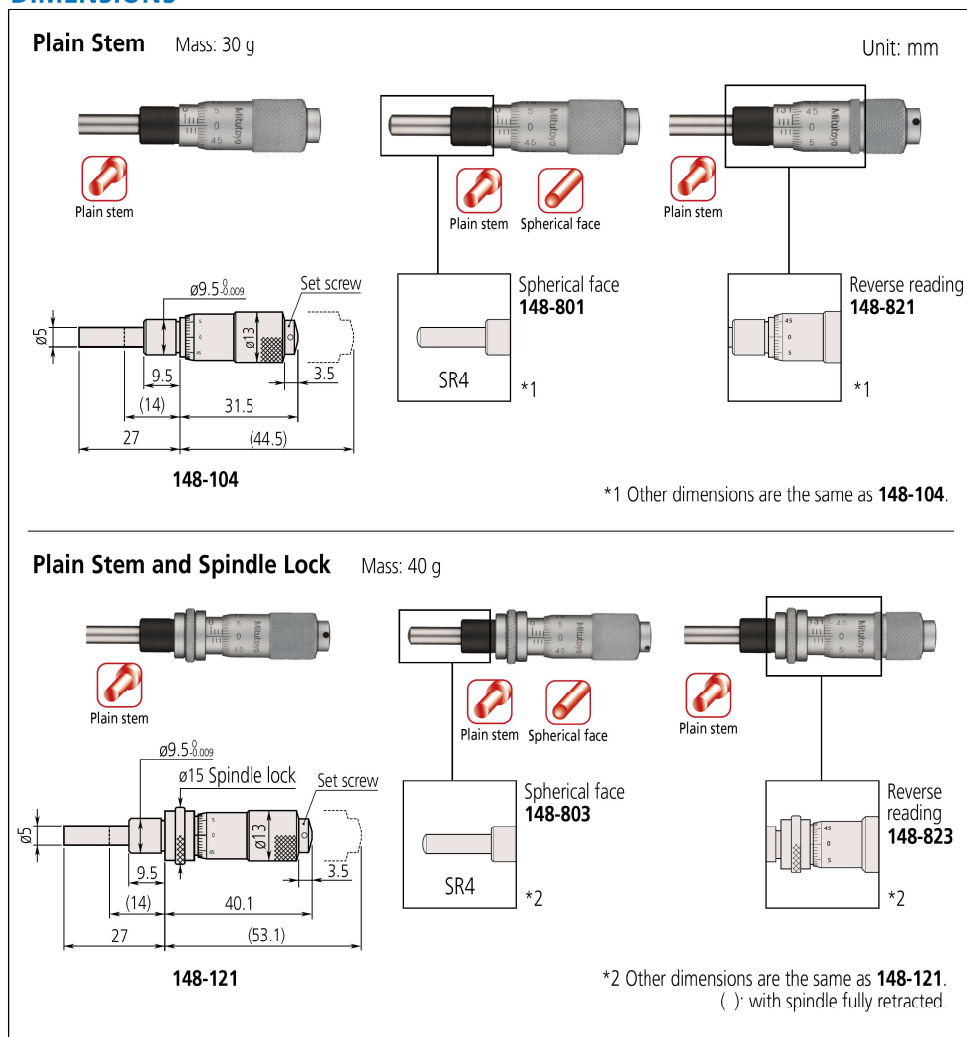
Micrometer Heads SERIES 148 — Small Standard Type

Technical Data

- Graduation: 0.01 mm or 0.001 in
- Spindle pitch: 0.5 mm or 0.025 in
- Measuring face
Material: Alloy tool steel
Hardness: 60 HRC or more
Lapped
- Scale finishing:
Satin-chrome plated

- Measuring stroke of 13 mm.

DIMENSIONS



SPECIFICATIONS

Metric						
Order No.	Stroke (mm)	Maximum permissible error J_{MPE} (μm)	Stem dia. (mm)	Stem	Spindle end	Graduation features
148-104	13	±2	9.5	Plain	Flat	Standard
148-103				W/clamp nut		
148-121				Plain*1		
148-120				W/clamp nut*1		
148-801				Plain	Spherical (SR4)	
148-802				W/clamp nut		
148-803				Plain*1		
148-804				W/clamp nut*1		
148-821				Plain	Flat	Reverse reading
148-822				W/clamp nut		
148-823				Plain*1		
148-824				W/clamp nut*1		

*1 With spindle lock

Inch						
Order No.	Stroke (in)	Maximum permissible error J_{MPE} (in)	Stem dia. (in)	Stem	Spindle end	Graduation features
148-112	0.5	±0.0001	0.375	Plain	Flat	Standard
148-111*2				W/clamp nut		
148-123				Plain*1		
148-122				W/clamp nut*1		
148-811				Plain	Spherical (SR4)	
148-812				W/clamp nut		
148-813				Plain*1		
148-814				W/clamp nut*1		
148-831				Plain	Flat	Reverse reading
148-832				W/clamp nut		
148-833				Plain*1		
148-834				W/clamp nut*1		

*1 With spindle lock

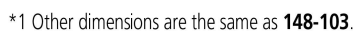
*2 Made-to-order models

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

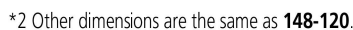
DIMENSIONS

Mass: 35 g

Unit: mm



Mass: 45 g



(): with spindle fully retracted.