

Micrometer Heads SERIES 148 — Small Standard Type

- Measuring range: 13 mm

SPECIFICATIONS

Metric						
Code No.	Range (mm)	Maximum permissible error J_{MPE} (μm)	Stem dia. (mm)	Stem	Spindle end	Graduation features
148-104-10	0 - 13	±2	9.5	Plain	Flat	Standard
148-103-10				W/clamp nut		
148-121-10				Plain*		
148-120-10				W/clamp nut*		
148-801-10				Plain	Spherical (SR4)	
148-802-10				W/clamp nut		
148-803-10				Plain*		
148-804-10				W/clamp nut*		
148-821-10				Plain	Flat	Reverse reading
148-822-10				W/clamp nut		
148-823-10				Plain*		
148-824-10				W/clamp nut*		

- Graduation: 0.01 mm
- Spindle pitch: 0.5 mm
- Measuring face: Material/Alloy tool steel, Hardness/60 HRC or more, Lapped
- Scale finishing: Satin-chrome plated
- * With spindle lock

Inch						
Code No.	Range (in)	Maximum permissible error J_{MPE} (in)	Stem dia. (in)	Stem	Spindle end	Graduation features
148-112-10	0 - 0.5	± 0.0001	0.375	Plain	Flat	Standard
148-111-10*2				W/clamp nut		
148-123-10				Plain*1		
148-122-10				W/clamp nut*1		
148-811-10				Plain	Spherical (SR4)	
148-812-10				W/clamp nut		
148-813-10				Plain*1		
148-814-10				W/clamp nut*1		
148-831-10				Plain	Flat	Reverse reading
148-832-10				W/clamp nut		
148-833-10				Plain*1		
148-834-10				W/clamp nut*1		

- Graduation: 0.001 in
- Spindle pitch: 0.025 in
- Measuring face: Material/Alloy tool steel, Hardness/60 HRC or more, Lapped
- Scale finishing: Satin-chrome plated
- *1 With spindle lock
- *2 Made-to-order models

Micrometer Head

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DIMENSIONS

Plain Stem Mass: 30 g

Unit: mm

148-104-10

Spherical face
148-801-10
*1

Reverse reading
148-821-10
*1

*1 Other dimensions are the same as **148-104-10**.

Plain Stem and Spindle Lock Mass: 40 g

148-121-10

Spherical face
148-803-10
*2

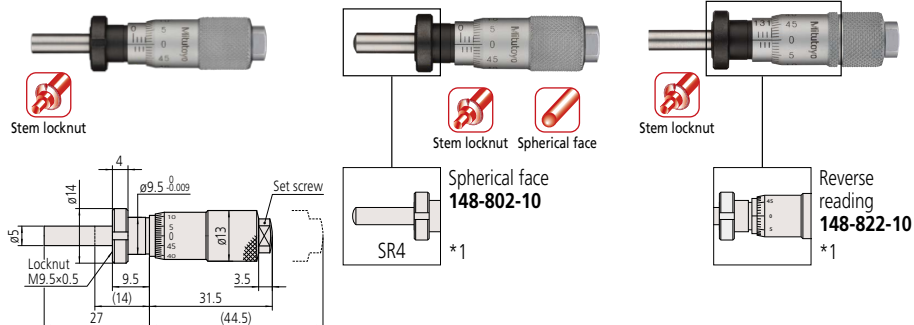
Reverse reading
148-823-10
*2

*2 Other dimensions are the same as **148-121-10**.
(): with spindle fully retracted.

DIMENSIONS

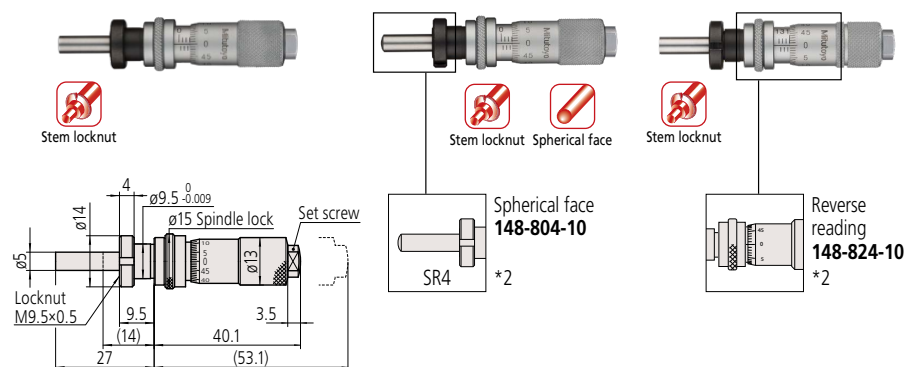
Stem Locknut Mass: 35 g

Unit: mm

*1 Other dimensions are the same as **148-103-10**.

- Fixture thickness: 6 mm
148-103-10

Stem Locknut and Spindle Lock Mass: 45 g

*2 Other dimensions are the same as **148-120-10**.

(): with spindle fully retracted.

- Fixture thickness: 6 mm
148-120-10