Micrometer Heads
SERIES 149 — Small Standard Type with Carbide-tipped Spindle

• Carbide-tipped spindle provides high abrasion resistance.

SPECIFICATIONS

Metric

Code No.	Range (mm)	Maximum permissible error J_{MPE} (µm)	Stem dia. (mm)	Stem	Spindle end	Graduation features
149-132-10	0 - 15	±2	9.5	Plain	Flat (carbide tip)	Standard
149-131-10				W/clamp nut		
149-183-10				Plain*1		
149-184-10				W/clamp nut*1		
149-801-10				Plain	Spherical (SR4) (carbide tip)	
149-802-10				W/clamp nut		
149-821-10				Plain	Flat (carbide tip)	Reverse reading
149-822-10				W/clamp nut		
149-803-10*2				Plain*1	Spherical (SR4) (carbide tip)	Standard
149-804-10*2				W/clamp nut*1		
149-823-10*2				Plain*1	Flat (carbide tip)	Reverse reading
149-824-10*2				W/clamp nut*1		

Inch

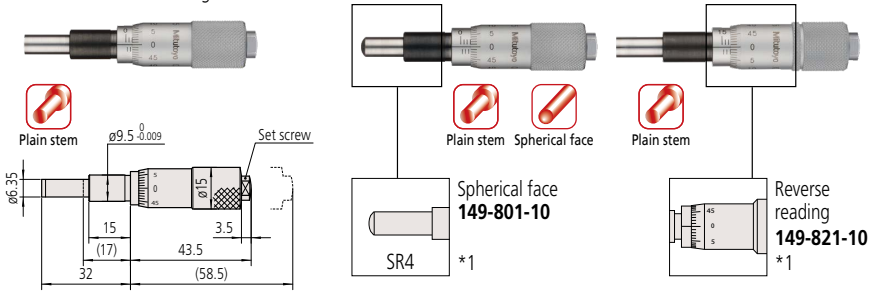
Code No.	Range (in)	Maximum permissible error J_{MPE} (in)	Stem dia. (in)	Stem	Spindle end	Graduation features
149-148-10	0 - 0.5	±0.0001	0.375	Plain	Flat (carbide tip)	Standard
149-147-10				W/clamp nut		
149-185-10*3				Plain*1		
149-182-10				W/clamp nut*1		
149-811-10				Plain	Spherical (SR4) (carbide tip)	
149-812-10				W/clamp nut		
149-831-10*2				Plain	Flat (carbide tip)	Reverse reading
149-832-10*2				W/clamp nut		
149-181*2				Plain*1		Standard

• Graduation: 0.01 mm or 0.001 in
• Spindle pitch: 0.5 mm or 0.025 in
• Measuring face: Material/Carbide tip, Hardness/90 HRA or more, Lapped
• Scale finishing: Satin-chrome plated
*1 With spindle lock *2 Made-to-order models *3 W/rachet (**149-181**) is available

DIMENSIONS

Plain Stem Mass: 55 g

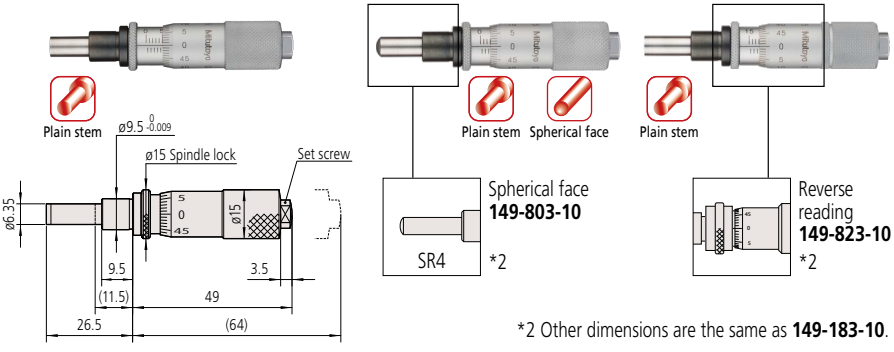
Unit: mm



149-132-10

*1 Other dimensions are the same as **149-132-10**.

Plain Stem and Spindle Lock Mass: 55 g



149-183-10

*2 Other dimensions are the same as **149-183-10**.
( ): with spindle fully retracted.

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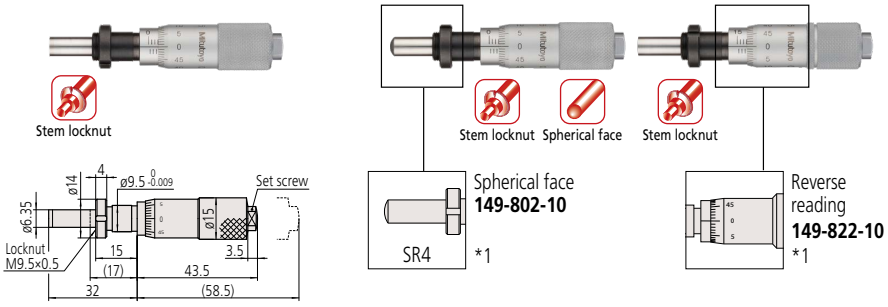
DIMENSIONS

Stem Locknut

Mass: 60 g

Unit: mm

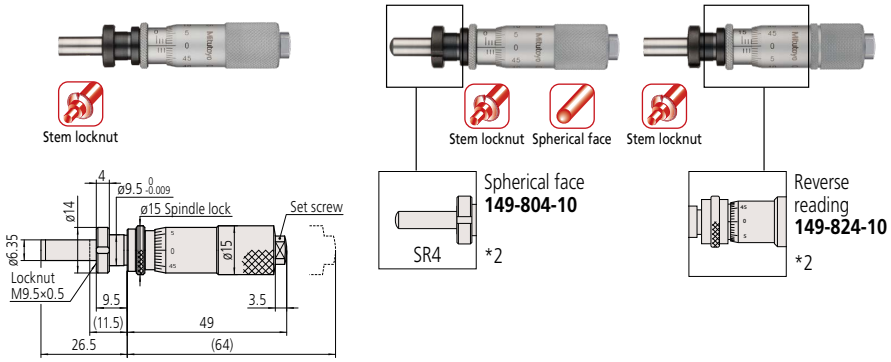


- Fixture thickness: 11.5 mm
  149-131-10

*1 Other dimensions are the same as **149-131-10**.

Stem Locknut and Spindle Lock

Mass: 60 g



- Fixture thickness: 6 mm
  149-184-10

*2 Other dimensions are the same as **149-184-10**.

( ): with spindle fully retracted.