

Micrometer Heads SERIES 150 — Medium-sized Standard Type

- Measuring range: 25 mm

SPECIFICATIONS

Metric							
Code No.	Range (mm)	Maximum permissible error J_{MPE} (μm)	Stem dia. (mm)	Stem	Spindle end	Special features	
150-192	0 - 25	±2	10	Plain	Flat (carbide tip)	Standard	
150-191				W/clamp nut			
150-209				Plain* ¹			
150-210				W/clamp nut* ¹			
150-801				Plain	Spherical (SR4) (carbide tip)		
150-802				W/clamp nut			
150-821				Plain	Flat (carbide tip)		Reverse reading
150-822				W/clamp nut			
150-190				Plain			
150-189				W/clamp nut			
150-183* ²				Plain* ¹		W/vernier (0.001 mm)	
150-184				W/clamp nut* ¹			
150-196-10				Plain			
150-195-10				W/clamp nut			
150-211-10				Plain* ¹			W/o ratchet stop
150-212-10				W/clamp nut* ¹			
150-803* ²				Plain* ¹	Spherical (SR4) (carbide tip)	Standard	
150-804* ²				W/clamp nut* ¹			
150-823* ²				Plain* ¹	Flat (carbide tip)	Reverse reading	
150-824* ²				W/clamp nut* ¹			

- Graduation: 0.01 mm, 0.001 mm (w/vernier)
- Spindle pitch: 0.5 mm
- Measuring face: Material/Carbide tip (Only long spindle model is alloy tool steel), Hardness/90 HRA or more (Only long spindle model is 60 HRC or more), Lapped
- Scale finishing: Satin-chrome plated
- *1 With spindle lock
- *2 Made-to-order models

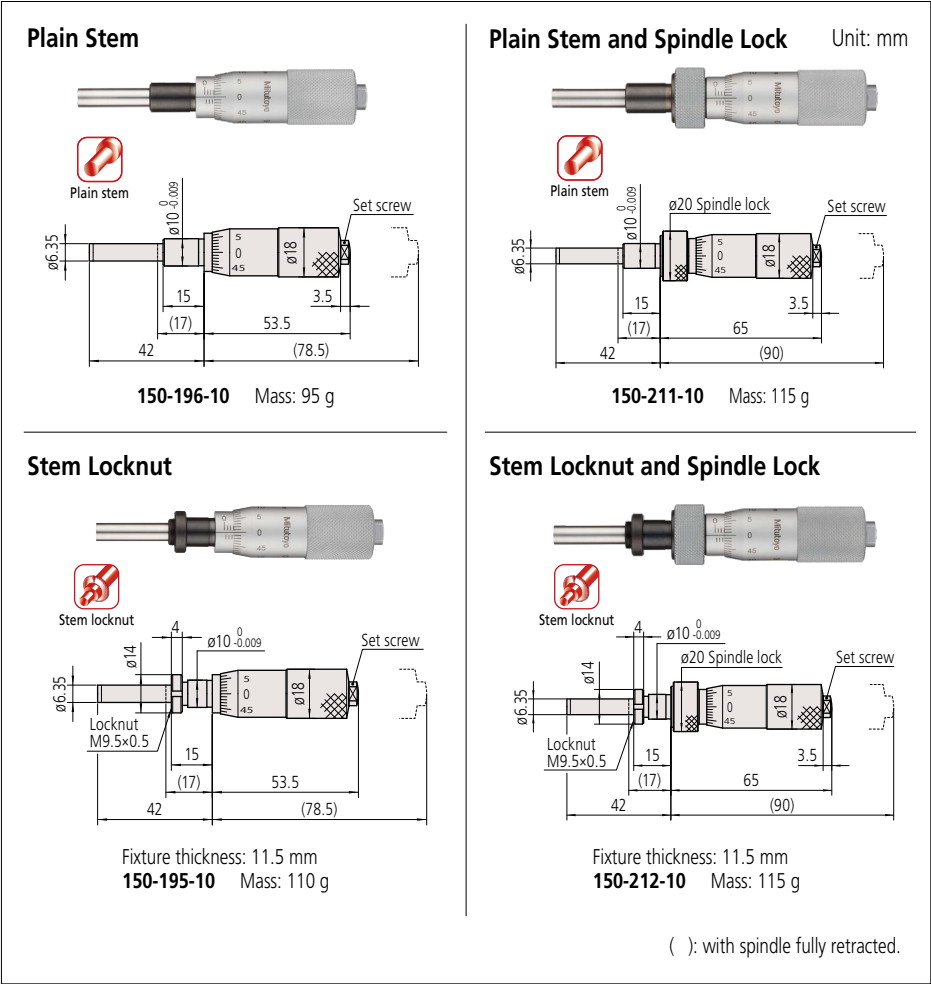
Inch							
Code No.	Range (in)	Maximum permissible error J_{MPE} (in)	Stem dia. (in)	Stem	Spindle end	Special features	
150-208	0 - 1	± 0.0001	0.375	Plain	Flat (carbide tip)	Standard	
150-207				W/clamp nut			
150-213* ²				Plain* ¹			
150-214* ²				W/clamp nut* ¹			
150-811				Plain	Spherical (SR4) (carbide tip)		
150-812				W/clamp nut			
150-831				Plain	Flat (carbide tip)		Reverse graduation
150-832				W/clamp nut			
150-206				Plain		W/vernier (0.0001 in)	
150-205* ²				W/clamp nut			
150-215* ²				Plain* ¹			
150-216* ²				W/clamp nut* ¹			
150-198-10				Plain			W/o ratchet stop
150-197-10				W/clamp nut			
150-217* ²				Plain* ¹			
150-218* ²				W/clamp nut* ¹			

- Graduation: 0.001 in or 0.0001 in (w/vernier)
- Spindle pitch: 0.025 in
- Measuring face: Material/Carbide tip (Only long spindle model is alloy tool steel), Hardness/90 HRA or more (Only long spindle model is 60 HRC or more), Lapped
- Scale finishing: Satin-chrome plated
- *1 With spindle lock
- *2 Made-to-order models

Micrometer Head

Micrometer Heads
SERIES 150 — Medium-sized Standard Type

DIMENSIONS

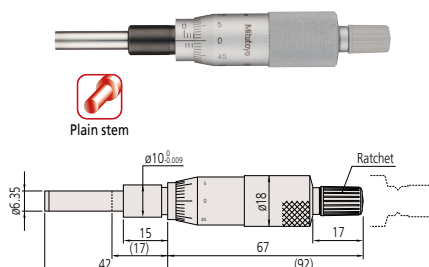


DIMENSIONS

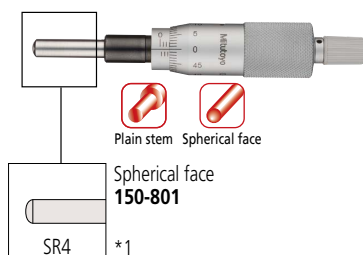
(): with spindle fully retracted.

Unit: mm

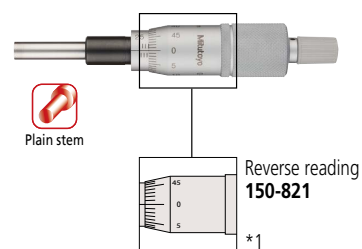
Plain Stem Mass: 95 g



150-192



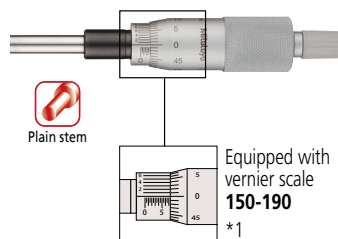
Plain stem Spherical face

Spherical face
150-801

Plain stem

Reverse reading
150-821

*1



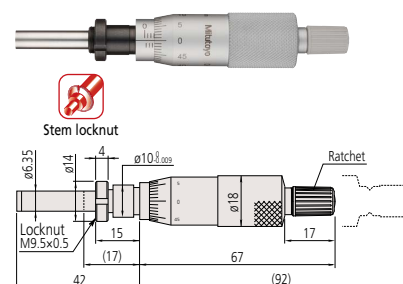
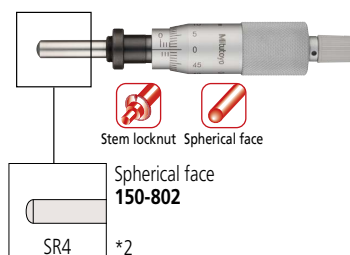
Plain stem

Equipped with
vernier scale
150-190

*1

*1 Other dimensions are the same as 150-192.

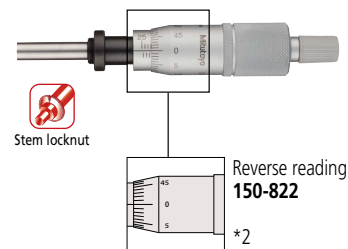
Stem Locknut Mass: 100 g

• Fixture thickness: 11.5 mm
150-191

Stem locknut Spherical face

Spherical face
150-802

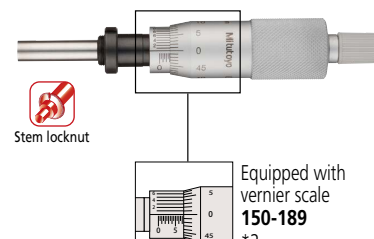
*2



Stem locknut

Reverse reading
150-822

*2



Stem locknut

Equipped with
vernier scale
150-189

*2

*2 Other dimensions are the same as 150-191.

Micrometer Head

Micrometer Heads
SERIES 150 — Medium-sized Standard Type

DIMENSIONS

() : with spindle fully retracted. Unit: mm

Plain Stem and Spindle Lock Mass: 110 g

Diagram showing the plain stem and spindle lock micrometer head. Dimensions: Total length 103.5 mm, distance from base to spindle lock 78.5 mm, distance from base to ratchet 17 mm, distance from base to stem lock 15 mm. Spindle lock diameter is 10.000 mm. Ratchet diameter is 18 mm. Base diameter is 6.35 mm. Stem diameter is 14 mm. Locknut is M9.5x0.5. Spindle lock is 4 mm. Ratchet is 17 mm. Stem lock is 15 mm. Base is 42 mm. Spindle lock is 10.000 mm. Ratchet is 18 mm. Stem lock is 15 mm. Base is 42 mm. Spindle lock is 10.000 mm. Ratchet is 18 mm. Stem lock is 15 mm. Base is 42 mm.

150-209

Plain stem

Spindle lock

Ratchet

Stem locknut

Spindle lock

Ratchet

Locknut M9.5x0.5

• Fixture thickness: 11.5 mm

150-210

Plain stem Spherical face

Spherical face

SR4 *1

Reverse reading

150-823

*1

Equipped with vernier scale

150-183

*1

*1 Other dimensions are the same as **150-209**.

Unit: mm

Stem Locknut and Spindle Lock Mass: 115 g

Diagram showing the stem locknut and spindle lock micrometer head. Dimensions: Total length 103.5 mm, distance from base to spindle lock 78.5 mm, distance from base to ratchet 17 mm, distance from base to stem lock 15 mm. Spindle lock diameter is 10.000 mm. Ratchet diameter is 18 mm. Base diameter is 6.35 mm. Stem diameter is 14 mm. Locknut is M9.5x0.5. Spindle lock is 4 mm. Ratchet is 17 mm. Stem lock is 15 mm. Base is 42 mm. Spindle lock is 10.000 mm. Ratchet is 18 mm. Stem lock is 15 mm. Base is 42 mm. Spindle lock is 10.000 mm. Ratchet is 18 mm. Stem lock is 15 mm. Base is 42 mm.

150-209

Stem locknut

Spindle lock

Ratchet

Locknut M9.5x0.5

• Fixture thickness: 11.5 mm

150-210

Stem locknut Spherical face

Spherical face

SR4 *2

Reverse reading

150-824

*2

Equipped with vernier scale

150-184

*2

*2 Other dimensions are the same as **150-210**.