

Micrometer Head

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

Micrometer Heads

SERIES 151 — Medium-sized Standard Type with 8 mm Diameter Spindle

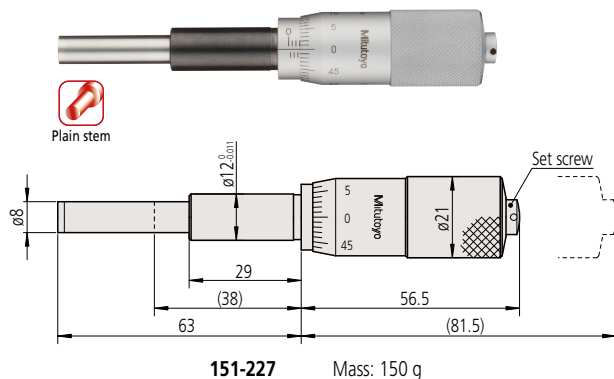
- Larger spindle (ø8 mm) for heavy-duty applications (normally ø6.35 mm).

Technical Data

Graduation: 0.01 mm, 0.001 mm, 0.001 in or 0.0001 in
Spindle pitch: 0.5 mm or 0.025 in

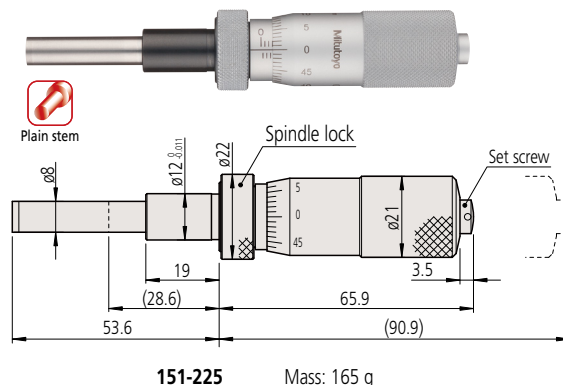
DIMENSIONS

Plain Stem

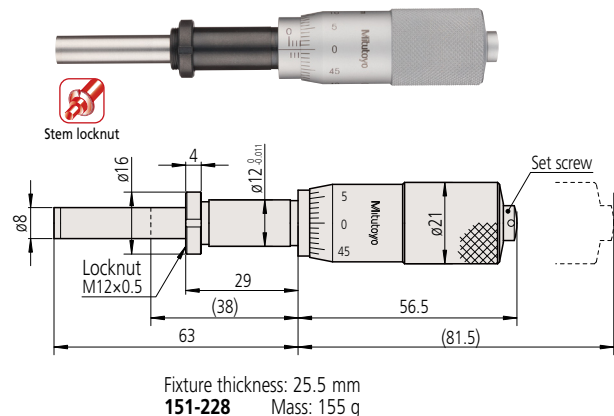


Plain Stem and Spindle Lock

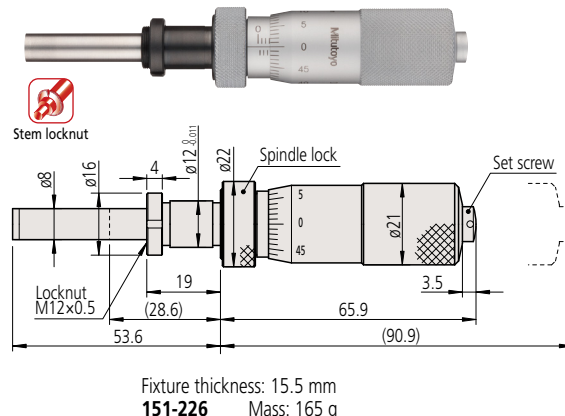
Unit: mm



Stem Locknut



Stem Locknut and Spindle Lock



(): With spindle fully retracted.

SPECIFICATIONS

Metric						
Order No.	Stroke	Accuracy	Stem dia.	Stem	Spindle end	Special features
151-224	25 mm	±2 μm	12 mm	Plain	Flat (carbide tip)	—
151-223				W/ clamp nut		
151-214**				Plain*		
151-213**				W/ clamp nut*		
151-222				Plain		W/ vernier (0.001 mm)
151-221				W/ clamp nut		
151-212**				Plain*		
151-211**				W/ clamp nut*		
151-227				Plain		
151-228				W/ clamp nut		
151-225	50 mm	±4 μm	12 mm	Plain*	Flat (carbide tip)	w/o ratchet stop
151-226				W/ clamp nut*		w/o ratchet stop (0.0001 in)
151-256				Plain		—
151-255				W/ clamp nut		—
151-260				Plain		—
151-259				W/ clamp nut		w/o ratchet stop

* with spindle lock ** made-to-order models

Inch						
Order No.	Stroke	Accuracy	Stem dia.	Stem	Spindle end	Special features
151-240	0.1 in	±0.0001 in	0.5 in	Plain	Flat (carbide tip)	—
151-239				W/ clamp nut		
151-238				Plain		
151-237				W/ clamp nut		
151-241**				Plain*		w/o ratchet stop
151-242**				W/ clamp nut*		
151-243**				Plain*		w/o ratchet stop (0.0001 in)
151-244**				W/ clamp nut*		
151-272	0.2 in	±0.0002 in	0.5 in	Plain	Flat (carbide tip)	—
151-271				W/ clamp nut		—

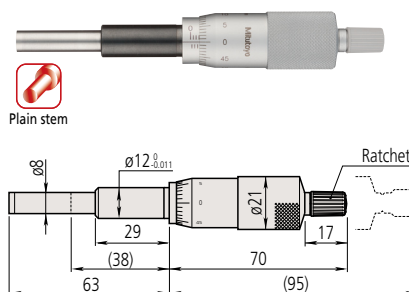
* with spindle lock ** made-to-order models

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SERIES 151 — Medium-sized Standard Type with 8 mm Diameter Spindle

DIMENSIONS

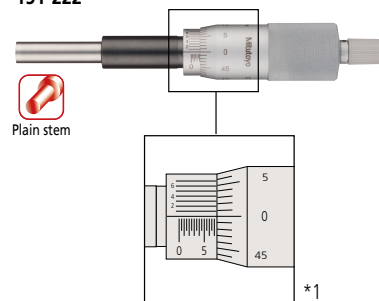
Plain Stem



151-224 Mass: 150 g

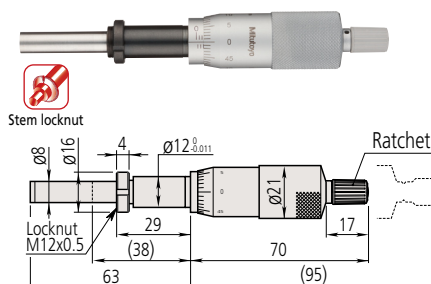
Equipped with vernier scale
151-222

Unit: mm



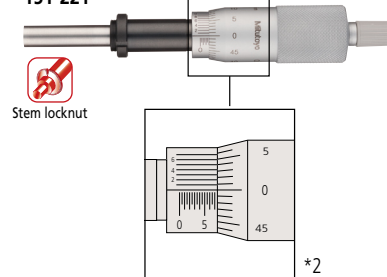
*1 Other dimensions are the same as **151-224**.

Stem Locknut



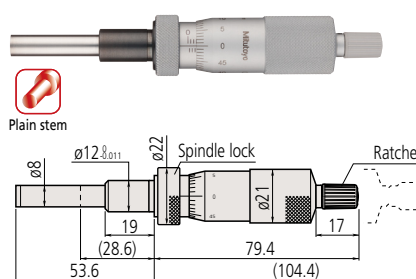
Fixture thickness: 25.5 mm
151-223 Mass: 155 g

Equipped with vernier scale
151-221



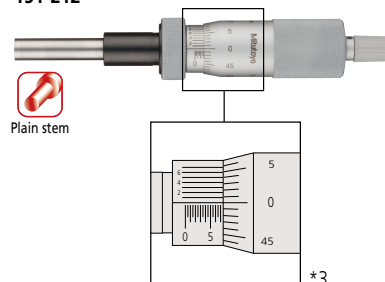
*2 Other dimensions are the same as **150-223**.

Stem Locknut and Spindle Lock



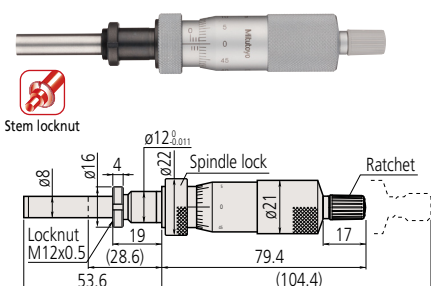
151-214 Mass: 160 g

Equipped with vernier scale
151-212



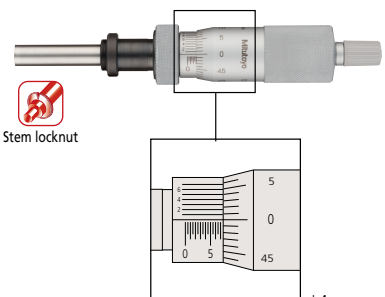
*3 Other dimensions are the same as **150-214**.

Stem Locknut and Spindle Lock



Fixture thickness: 15.5 mm
151-213 Mass: 165 g

Equipped with vernier scale
151-211



*4 Other dimensions are the same as **150-213**.
(): With spindle fully retracted.

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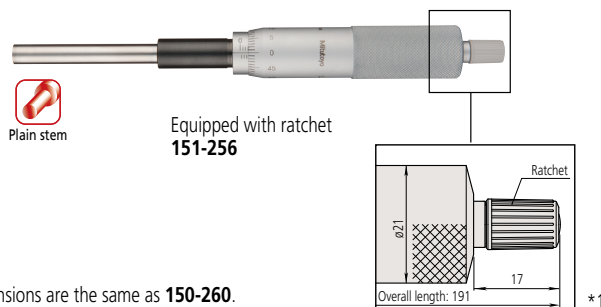
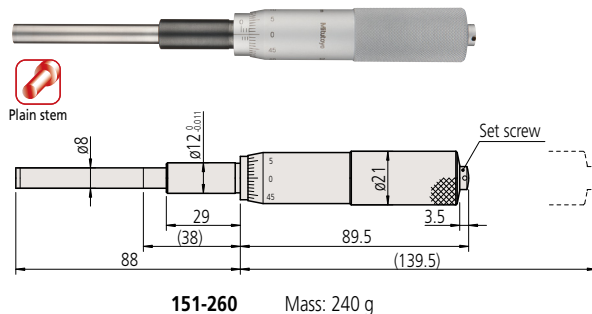
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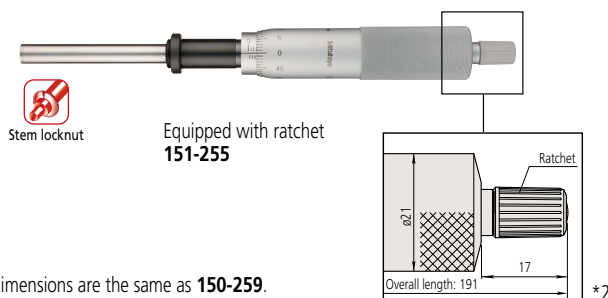
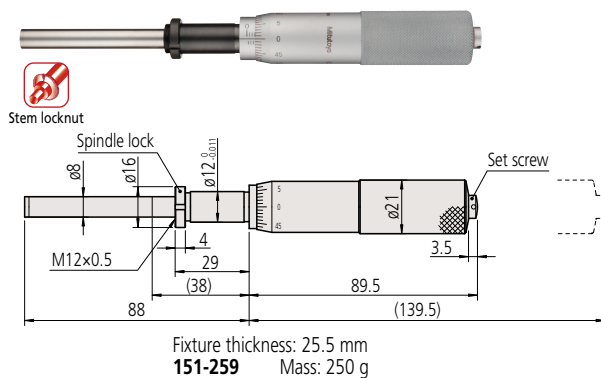
Plain Stem

Unit: mm



*1 Other dimensions are the same as 150-260.

Stem Locknut



*2 Other dimensions are the same as 150-259.
(): With spindle fully retracted.