

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

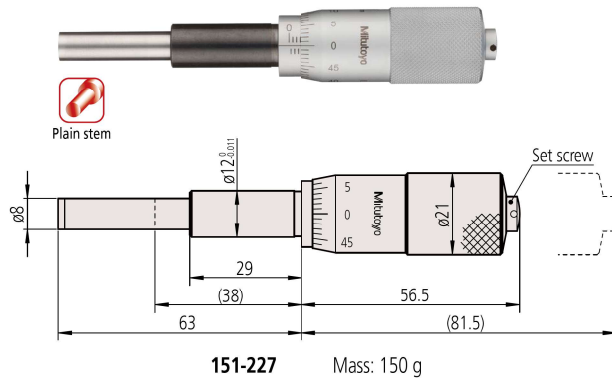
- Larger spindle (ø8 mm) for heavy-duty applications (normally ø6.35 mm).

Technical Data

- Graduation: 0.01 mm, 0.001 mm (w/vernier), 0.001 in or 0.0001 in (w/vernier)
- Spindle pitch: 0.5 mm or 0.025 in
- Measuring face
Material: Carbide
Hardness: 90 HRA or more
Lapped
- Scale finishing:
Satin-chrome plated

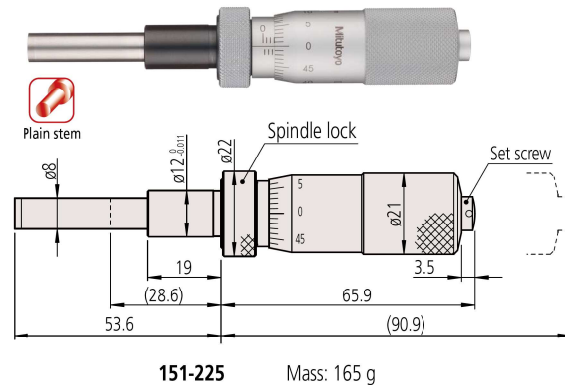
DIMENSIONS

Plain Stem

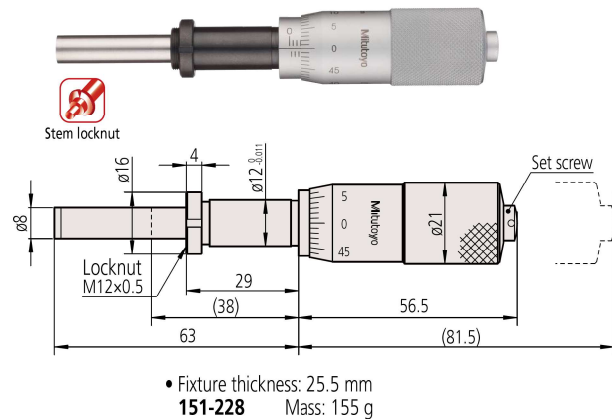


Plain Stem and Spindle Lock

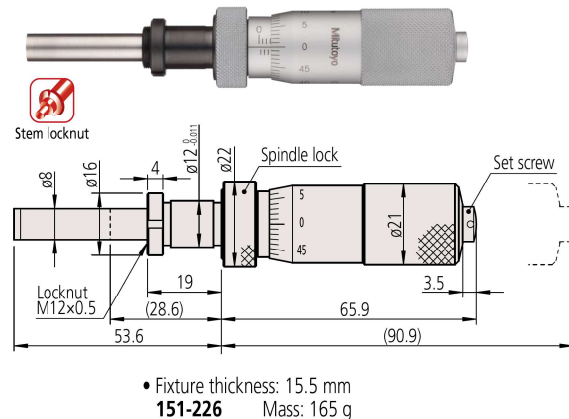
Unit: mm



Stem Locknut



Stem Locknut and Spindle Lock



(): with spindle fully retracted.

SPECIFICATIONS

Metric						
Order No.	Stroke (mm)	Maximum permissible error J_{MPE} (μm)	Stem dia. (mm)	Stem	Spindle end	Special features
151-224	25	±2	12	Plain	Flat (carbide tip)	—
151-223				W/clamp nut		
151-214 ^{*2}				Plain ^{*1}		
151-213 ^{*2}				W/clamp nut ^{*1}		
151-222				Plain		
151-221				W/clamp nut		
151-212 ^{*2}				Plain ^{*1}		
151-211 ^{*2}				W/clamp nut ^{*1}		
151-227				Plain		
151-228				W/clamp nut		
151-225	50	±4	12	Plain ^{*1}	Flat (carbide tip)	W/o ratchet stop
151-226				W/clamp nut ^{*1}		
151-256				Plain		
151-255				W/clamp nut		
151-260				Plain		
151-259				W/clamp nut		W/o ratchet stop

*1 With spindle lock *2 Made-to-order models

Inch						
Order No.	Stroke (in)	Maximum permissible error J_{MPE} (in)	Stem dia. (in)	Stem	Spindle end	Special features
151-240	0.1	±0.0001	0.5	Plain	Flat (carbide tip)	—
151-239				W/clamp nut		
151-238				Plain		
151-237				W/clamp nut		
151-241 ^{*2}				Plain ^{*1}		
151-242 ^{*2}				W/clamp nut ^{*1}		
151-243 ^{*2}				Plain ^{*1}		
151-244 ^{*2}				W/clamp nut ^{*1}		
151-272				Plain		
151-271				W/clamp nut		
151-240	0.2	±0.0002	0.5	Plain	Flat (carbide tip)	W/o ratchet stop (0.0001 in)
151-271				W/clamp nut		

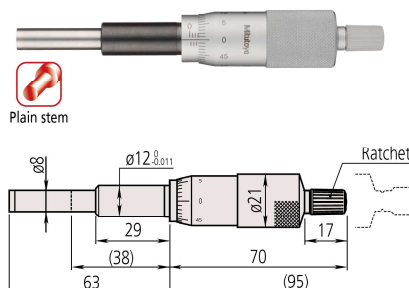
*1 With spindle lock *2 Made-to-order models

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

DIMENSIONS

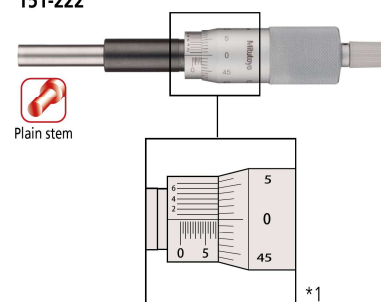
Plain Stem



151-224 Mass: 150 g

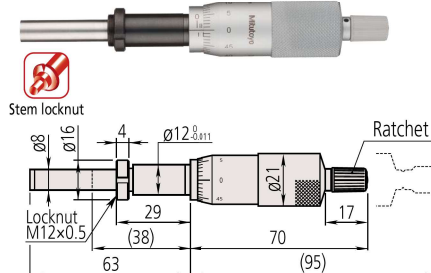
Equipped with vernier scale
151-222

Unit: mm



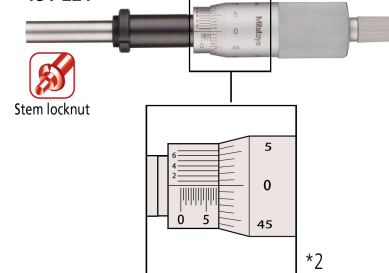
*1 Other dimensions are the same as **151-224**.

Stem Locknut



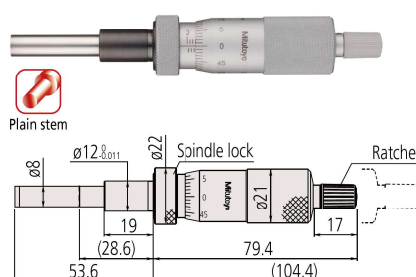
• Fixture thickness: 25.5 mm
151-223 Mass: 155 g

Equipped with vernier scale
151-221



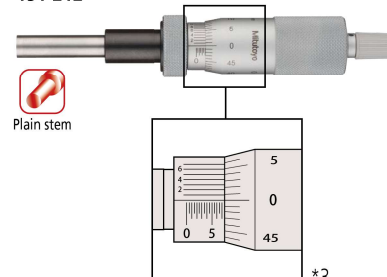
*2 Other dimensions are the same as **151-223**.

Stem Locknut and Spindle Lock



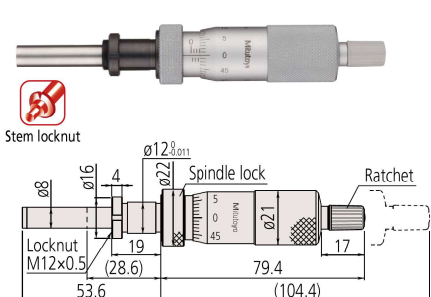
151-214 Mass: 160 g

Equipped with vernier scale
151-212



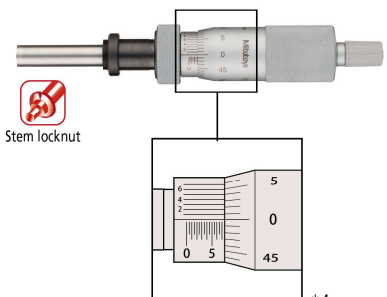
*3 Other dimensions are the same as **151-214**.

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 **151-213**.
(): with spindle fully retracted.

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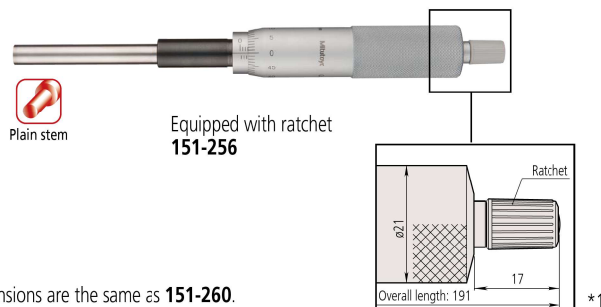
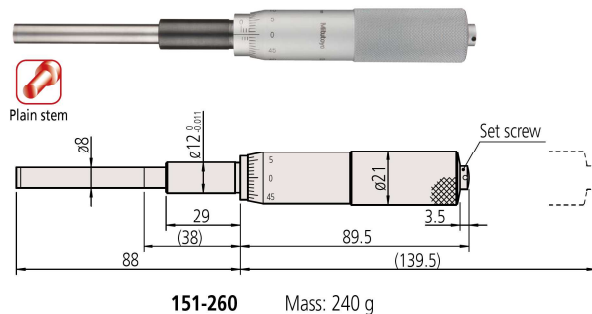
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DIMENSIONS

Plain Stem

Unit: mm



Stem Locknut

