

Micrometer Head

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

Micrometer Heads

SERIES 153 — Non-rotating Spindle Type

- Micrometer head with non-rotating spindle.
- Torsion-free feed reduces workpiece deformation and wear.

Technical Data

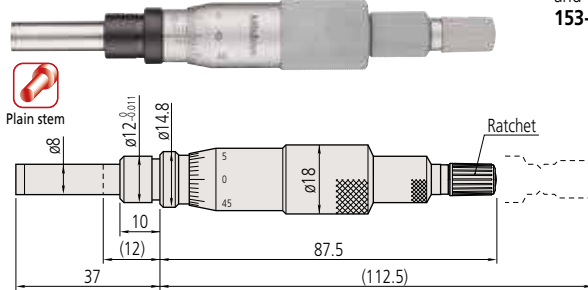
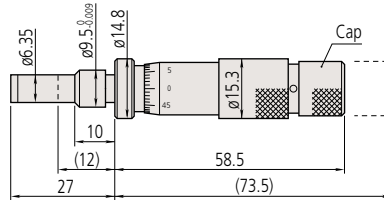
- Measuring face
Material: Carbide
Hardness: 90 HRA or more
Lapped
- Scale finishing:
Satin-chrome plated

DIMENSIONS

Unit: mm

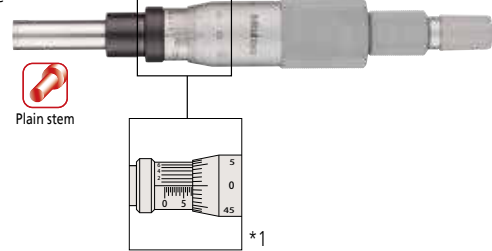


153-101 Mass: 70 g

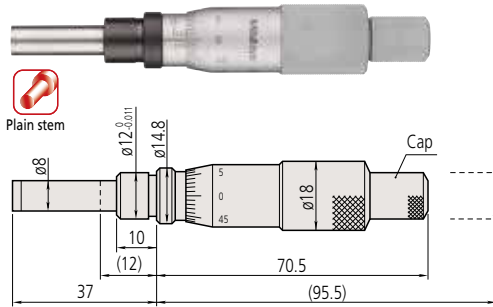


153-201 Mass: 125 g

Equipped with ratchet and vernier scale
153-202

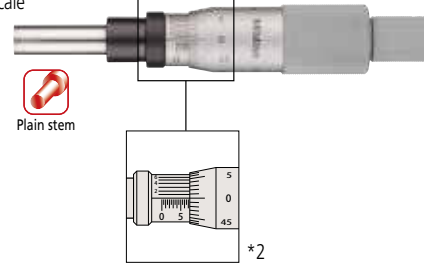


*1 Other dimensions are the same as **153-201**.



153-203 Mass: 125 g

Without ratchet/ Equipped with vernier scale
153-204



*2 Other dimensions are the same as **153-203**.
(): with spindle fully retracted.

SPECIFICATIONS

Metric

Order No.	Stroke (mm)	Graduation (mm)	Accuracy (μm)	Stem dia. (mm)	Stem	Spindle end	Spindle pitch (mm)	Graduation features
153-101	15	0.01	±3	9.5	Plain	Flat (carbide tip)	0.5	Standard
153-201 *1	25	0.001		12				W/vernier (0.001 mm)
153-202 *1		0.01						Standard
153-203		0.001						W/vernier (0.001 mm)
153-204								

Inch

Order No.	Stroke (in)	Graduation (in)	Accuracy (in)	Stem dia. (in)	Stem	Spindle end	Spindle pitch (in)	Special features
153-108 *2	0.5	0.001	±0.00015	0.375	Plain	Flat (carbide tip)	0.025	W/vernier (0.0001 in)
153-205 *1	1	0.0001		0.5				Standard
153-206 *1		0.001						W/vernier (0.0001 in)
153-207		0.001						Standard
153-208		0.0001						W/vernier (0.0001 in)

*1 With ratchet stop *2 Made-to-order model