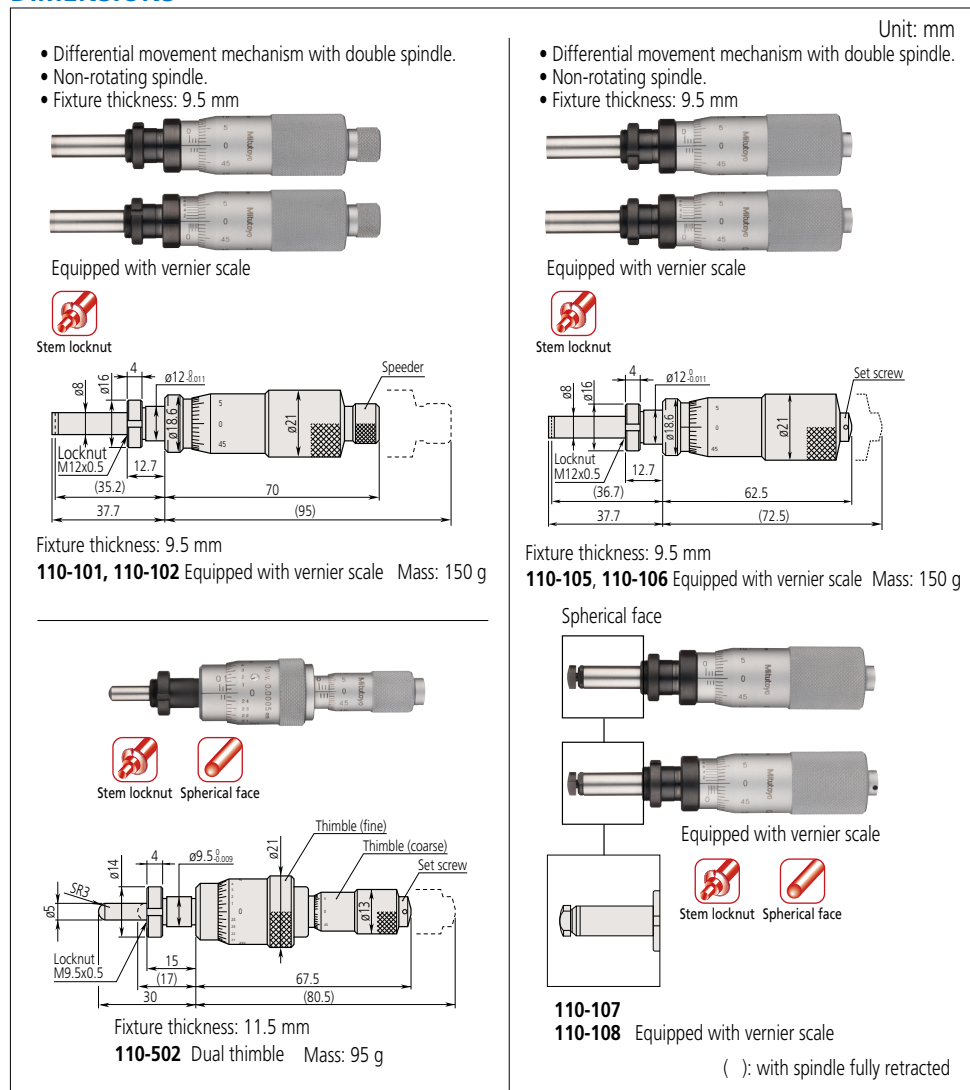


Micrometer Heads

SERIES 110 — Differential Screw Thread Translator (Extra-Fine Feed) Type

- The differential movement of spindle threads and nuts allows ultra-fine feeding.

DIMENSIONS



SPECIFICATIONS

Metric									
Order No.	Stroke		Graduation		Accuracy**	Stem dia.	Stem	Spindle end	Graduation features
110-101	2.5 mm		0.001 mm		±5 µm/±1.5 µm	12 mm	w/ clamp nut	Flat (carbide tip)	Standard
0.0001 mm			Fine						
0.001 mm			Standard						
0.0001 mm			Fine						
110-105	1 mm		0.001 mm		±3 µm/±1.5 µm	9.5 mm		Spherical (SR10) (carbide tip)	Standard
0.0001 mm			Fine						
0.001 mm			Standard						
0.0001 mm			Fine						
110-107	Thimble (fine) 0.2 mm Thimble (coarse) 13 mm		Thimble (fine) 0.0005 mm		±3 µm/±1.5 µm	9.5 mm	Spherical (SR3)	Dual scales; 0.2 mm fine-feed stroke	
Thimble (coarse) 0.01 mm									
110-502									
Inch									
Order No.	Stroke		Graduation		Accuracy**	Stem dia.	Stem	Spindle end	Graduation features
110-111	0.05 in		0.00002 in		±0.00025 in/±0.00006 in	0.5 in	w/ clamp nut	Flat (carbide tip)	Standard
0.000005 in			Fine						
0.00002 in			Standard						
0.000005 in			Fine						
110-115*	0.02 in		0.000005 in		±0.00015 in/±0.00006 in	0.375 in		Spherical (SR10) (carbide tip)	Standard
0.00002 in			Fine						
0.000005 in			Standard						
0.000005 in			Fine						
110-117*	Thimble (fine) 0.006 in Thimble (coarse) 0.5 in		Thimble (fine) 0.00002 in		±0.00015 in/±0.00006 in	0.375 in	Spherical (SR3)	Dual scales; 0.2 mm/0.006 in fine-feed range	
Thimble (coarse) 0.001 in									
110-504									

* made-to-order models

** Wide range / narrow range