

Micrometer

02
Micrometers

Disc Micrometers
SERIES 223, 123

- Can be used for making root tangent measurements on spur gears and helical gears.
- Determination of the root tangent length: refer to “Quick Guide to Precision Measuring Instruments” on page 13-8.
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric							
Code No.	Range (mm)	Graduation (mm)	Maximum permissible error <i>J</i> _{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Anvil dia. (mm)	Measurable module
Mechanical counter model							
223-101	0 - 25	0.01	±4	1	4	ø20	0.5 - 6
223-102	25 - 50						
Analog							
123-101	0 - 25	0.01	±4	1	4	ø20	0.5 - 6
123-113*							
123-102	25 - 50		±6		6		
123-114*							
123-103	50 - 75		±7	1.6	7	ø30	0.7 - 11
123-115*							
123-104	75 - 100		±8		8		
123-116*							
123-105	100 - 125		±9		9		
123-106	125 - 150						
123-107	150 - 175						
123-108	175 - 200						
123-109	200 - 225						
123-110	225 - 250						
123-111	250 - 275						
123-112	275 - 300						
Inch							
Code No.	Range (in)	Graduation (in)	Maximum permissible error <i>J</i> _{MPE} (in)	Flatness (in)	Parallelism (in)	Anvil dia. (in)	Measurable module
Mechanical counter model							
223-125	0 - 1	0.001	±0.0002	0.00004	0.0002	ø0.787	0.5 - 6
Analog							
123-125	0 - 1	0.001	±0.0002	0.00004	0.0002	ø0.787	0.5 - 6
123-126	1 - 2				±0.0003		
123-127	2 - 3						
123-128	3 - 4						

* The measuring discs have carbide tips.
• Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner (301336), 1 pc.
Note: Root tangent length measurement is not available for some types of gears.

Special Purpose Micrometers