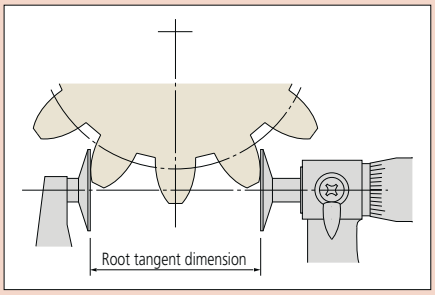
Technical Data

Flatness:	1 µm/.00004" for models up to 100 mm /4", 1.6 µm/.000063" for models over 100 mm/4"
Parallelism:	4 µm/.0002" for models up to 50 mm/2", 6 µm/.0003" for models up to 100 mm/4"

* R = max. range (mm).
Note: Fractions rounded up.



Root tangent (En).

SERIES 123 – Disc Micrometer

- Can be used for making root tangent measurements on spur gears and helical gears.
- Equipped with Ratchet Stop for constant measuring force.
- Supplied with a setting standard (except for 0-25 mm/0-1" measuring range).

123-101

B

Specifications

Metric

Code No.	Range	Graduation	Accuracy	Anvil	Measurable module	
123-101	0-25 mm	0.01 mm	±4 µm	ø20 mm	0.5-6	
123-102	25-50 mm					
123-103	50-75 mm		±6 µm			
123-104	75-100 mm					

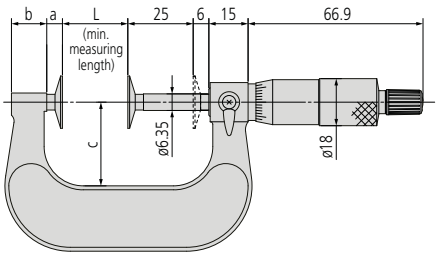
Inch

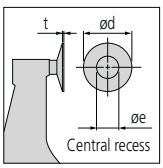
Code No.	Range	Graduation	Accuracy	Anvil	Measurable module	
123-125	0-1"	.001"	±.0002"	ø.787"	0.5-6	
123-126	1-2"					
123-127	2-3"		±.0003"			
123-128	3-4"					

Dimensions

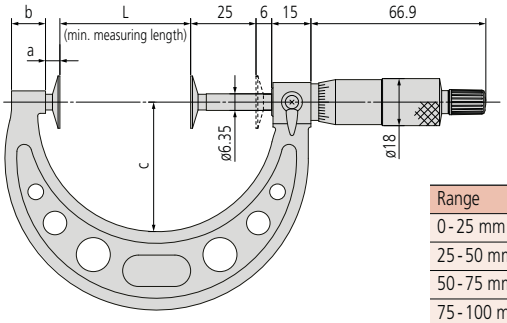
Unit: mm

Models up to 50 mm maximum measuring range





Models with a maximum measuring range over 50 mm



Range	L	a	b	c	d	e	t
0-25 mm	0	6	14	25	20	8	0.7
25-50 mm	25			32			
50-75 mm	50	5.5	11	49			
75-100 mm	75			63			

Mitutoyo