Gear Tooth Micrometers
SERIES 124 — Interchangeable Ball Anvil/Spindle Tip Type

- Intended for making over-pin diameter measurements on gears using precision ball anvils/spindle tips (optional).
- Determination of the over-pin diameter: refer to "Quick Guide to Precision Measuring Instruments" on page 13-8.
- Interchangeable ball anvils/spindle tips for various gear modules (0.5 to 5.25) are optional.
- Equipped with Ratchet Stop for constant measuring force.



124-173

Optional Accessories

• Interchangeable ball anvil/spindle tip set

Code No.	Diameter* (mm)	Gear module	Dia. pitch
124-801	0.8	0.5 - 0.55	50
124-802	1.0	0.6 - 0.65	45
124-803	1.191 (3/64 in)	0.7 - 0.8	35 - 30
124-821	1.5	0.9 - 1	28 - 26
124-804	1.588 (1/16 in)	0.9 - 1	28 - 26
124-805	2.0	1.25	22
124-806	2.381 (3/32 in)	1.5	17
124-822	2.5	1.5	17
124-807	3.0	1.75	15
124-808	3.175 (1/8 in)	—	14
124-823	3.5	2	13
124-809	3.969 (5/32 in)	2	13
124-810	4.0	2.25	11
124-824	4.5	2.5	10
124-811	4.763 (3/16 in)	2.5	10
124-812	5.0	2.75	9
124-813	5.556 (7/32 in)	3.0 - 3.25	8
124-814	6.0	3.5	7
124-815	6.35 (1/4 in)	3.75	7
124-816	7.0	4.0	6.5
124-817	7.144 (9/32 in)	4.25	6
124-818	7.938 (5/16 in)	4.5	5.5
124-819	8.0	4.75	5.5
124-820	8.731 (11/32 in)	5.0 - 5.25	5

* 2 mm less for/carbide-tipped type

SPECIFICATIONS

Metric

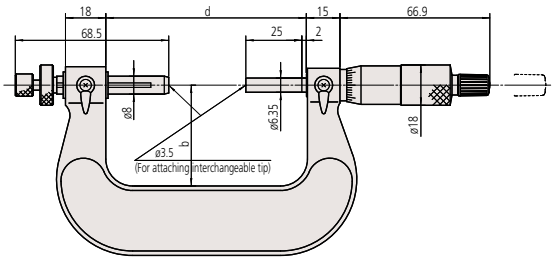
Code No.	Range (mm)	Graduation (mm)	Spindle feed error (µm)
124-173	0 - 25	0.01	3
124-174	25 - 50		
124-175	50 - 75		
124-176	75 - 100		
124-177	100 - 125		
124-178	125 - 150		
124-179	150 - 175		
124-180	175 - 200		
124-181	200 - 225		
124-182	225 - 250		
124-183	250 - 275		
124-195	275 - 300		

• Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm models), Spanner (**301336**), 1 pc.

DIMENSIONS

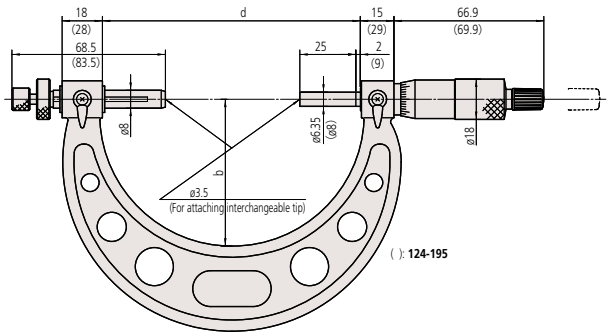
Analog models up to 50 mm

Unit: mm



Range (mm)	b	d
0 - 25	32	64
25 - 50	45	89.5

Analog models over 50 mm up to 300 mm



Range (mm)	b	d
50 - 75	65	115.1
75 - 100	79	140.1
100 - 125	93	165.1
125 - 150	105	190
150 - 175	118	214
175 - 200	131	240
200 - 225	144	265
225 - 250	156	290
250 - 275	169	314
275 - 300	187	352

Mitutoyo reserves the right to change any or all aspects of any product specification, including prices, designs and service content, without notice.