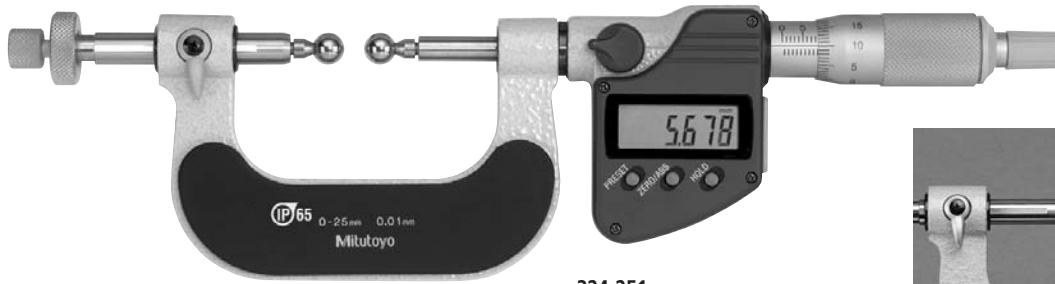


Gear Tooth Micrometers

SERIES 324, 124 — Interchangeable Ball Anvil-Spindle Tip Type



324-251



124-173

FEATURES

- IP65 water/dust protection level (324 series).
- Measures over-pin diameter of gears with precision steel (carbide) ball-tipped measuring faces.
- Interchangeable ball anvil-spindle tips for various gear modules (0.5 - 5.25) are optional.
- With Ratchet Stop for constant force.
- Provided with a standard except for 25mm (1") model.

SPECIFICATIONS

Metric	Digital model		
Range	Order No.	Resolution	Accuracy
0 - 25mm	324-251	0.001mm	±4μm
25 - 50mm	324-252	0.001mm	±4μm
50 - 75mm	324-253	0.001mm	±4μm
75 - 100mm	324-254	0.001mm	±5μm

Excluding quantizing error

Inch/Metric	Digital model		
Range	Order No.	Resolution	Accuracy
0 - 1"	324-351	.00005"/0.001mm	±.0002"
1" - 2"	324-352	.00005"/0.001mm	±.0002"
2" - 3"	324-353	.00005"/0.001mm	±.0002"
3" - 4"	324-354	.00005"/0.001mm	±.00025"

Excluding quantizing error

Metric			
Range	Order No.	Resolution	Accuracy
0 - 25mm	124-173	0.01mm	±4μm
25 - 50mm	124-174	0.01mm	±4μm
50 - 75mm	124-175	0.01mm	±4μm
75 - 100mm	124-176	0.01mm	±5μm
100 - 125mm	124-177	0.01mm	±5μm
125 - 150mm	124-178	0.01mm	±5μm
150 - 175mm	124-179	0.01mm	±6μm
175 - 200mm	124-180	0.01mm	±6μm
200 - 225mm	124-181	0.01mm	±6μm
225 - 250mm	124-182	0.01mm	±7μm
250 - 275mm	124-183	0.01mm	±7μm
275 - 300mm	124-195	0.01mm	±7μm



Interchangeable Ball Anvil-Spindle Tips (Optional)

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

*Carbide-tipped anvil