

Outside Micrometers Metric with Heat Insulating Frame

Series 102

This outside micrometer is an accurate and reliable device that offers you the following benefits:

- Cut-away frame (behind anvil) for measurements in hard-to-reach places
- Ratchet stop delivers a constant measuring force.



Only for 0-25, 25-50 mm



102-301



102-911-40

Specifications

Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, ϕ 6,35 mm, spindle pitch 0,5 mm
Delivered	Including box, key, setting standard (from 25 mm upward), certificate of inspection (0-50 mm range)

Metric

Graduation 0.001 mm is obtained with vernier on sleeve

No.	Range [mm]	Flatness	Parallelism	Maximum Permissible Error J MPE	Graduation	Measuring force [N]	Remarks
102-311	0 - 25	0,3 μ m	2 μ m	\pm 1 μ m	0,001 mm; 0,01 mm	5-10	Ratched Stop
102-312	25 - 50	0,3 μ m	1 μ m	\pm 1 μ m	0,001 mm; 0,01 mm	5-10	Ratched Stop
102-313	0 - 25	0,3 μ m	1 μ m	\pm 1 μ m	0,001 mm; 0,01 mm	5-10	Friction Thimble

No.	Mass [g]	L [mm]	a [mm]	b [mm]	c [mm]
102-311	180	0	5	26	2,5
102-312	270	25	7,8	32	2,5
102-313	180	0	5	26	2,5

Metric

Graduation 0.01 mm

No.	Range [mm]	Flatness	Parallelism	Maximum Permissible Error J MPE	Graduation	Measuring force [N]	Remarks
102-301	0 - 25	0,6 μ m	2 μ m	\pm 2 μ m	0,01 mm	5-10	Ratched Stop
102-302	25 - 50	0,6 μ m	2 μ m	\pm 2 μ m	0,01 mm	5-10	Ratched Stop
102-303	50 - 75	0,6 μ m	2 μ m	\pm 2 μ m	0,01 mm	5-10	Ratched Stop
102-304	75 - 100	0,6 μ m	3 μ m	\pm 3 μ m	0,01 mm	5-10	Ratched Stop

No.	Mass [g]	L [mm]	a [mm]	b [mm]	c [mm]
102-301	180	0	5	26	2,5
102-302	270	25	7,8	32	2,5
102-303	375	50	10,6	45	2,5
102-304	490	75	11	58	2,5

Metric

Micrometer set

No.	Range [mm]	Flatness	Graduation	Measuring force [N]	Content of Set	Remarks	Mass [g]
102-911-40	0 - 100	0,6	0,01 mm	5-10	102-301, 102-302, 102-303, 102-304, 3 setting standards	Ratched Stop	1200

