Tube Micrometers

Series 115

This Tube Micrometer allows you to measure curved surfaces such as the wall thickness of tubes, bearings and rings.



115-215

Specifications

Measuring face	Spindle and anvil: carbide-tipped, micro-lap finish (115-1xx, 115-2xx) spindle: carbide-tipped anvil: hardened steel (115-3xx)
Measuring spindle	With spindle lock, ø 6,35 mm, spindle pitch 0,5 mm
Scale	Thimble and sleeve satin chrome finish ø18 mm
Delivered	Including box, setting standard (from 25 mm upward), key

Metric

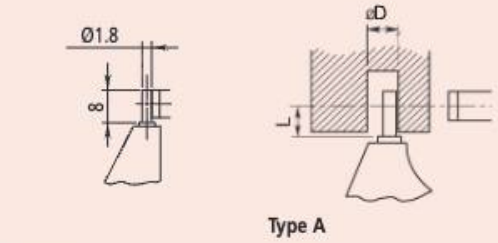
No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Anvil / Spindle	Measuring force [N]	L [mm]	D [mm]	Mass [g]
115-302	0–25	0,01 mm	±3 µm	Type A, pin D=1,8 mm/ flat spindle	5-10	4	2	180
115-308	0–25	0,01 mm	±3 µm	Type B, spherical pin D=3,5 mm/ flat spindle	5-10	4	3,6	180
115-303	25–50	0,01 mm	±3 µm	Type A, pin D=1,8 mm/ flat spindle	5-10	4	2	240
115-309	25–50	0,01 mm	±3 µm	Type B, spherical pin D=3,5 mm/ flat spindle	5-10	4	3,6	240
115-315	0–25	0,01 mm	±3 µm	Type C, spherical pin D=4,7 mm/ flat spindle	3-8	12	4,8	180
115-316	0–25	0,01 mm	±3 µm	Type D, cylindrical pin D=8 mm/ flat spindle	3-8	22	8,2	180

Metric — Model with spherical anvil

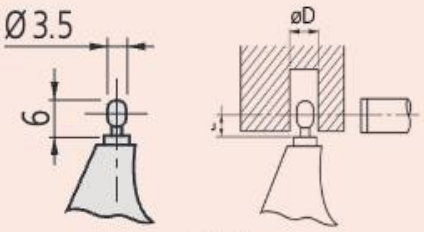
No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Anvil / Spindle	Measuring force [N]	D [mm]	Mass [g]
115-115	0–25	0,01 mm	±3 µm	Type E, sperical anvil SR=4 mm/ flat spindle	5-10	10	180
115-116	25–50	0,01 mm	±3 µm	Type E, sperical anvil SR=4 mm/ flat spindle	5-10	11	240
115-117	50–75	0,01 mm	±3 µm	Type E, sperical anvil SR=4 mm/ flat spindle	5-10	17	315
115-118	75–100	0,01 mm	±4 µm	Type E, sperical anvil SR=4 mm/ flat spindle	5-10	18	375

Metric — Model with spherical anvil and spindle face

No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Anvil / Spindle	Measuring force [N]	D [mm]	Mass [g]
115-215	0–25	0,01 mm	±3 µm	Type F, spherical anvil and spindle SR=4 mm	5-10	10	180
115-216	25–50	0,01 mm	±3 µm	Type F, spherical anvil and spindle SR=4 mm	5-10	11	240
115-217	50–75	0,01 mm	±3 µm	Type F, spherical anvil and spindle SR=4 mm	5-10	17	315
115-218	75–100	0,01 mm	±4 µm	Type F, spherical anvil and spindle SR=4 mm	5-10	18	375



Type A



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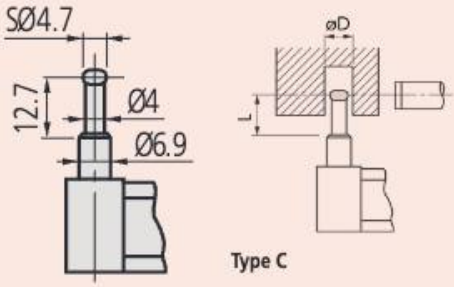

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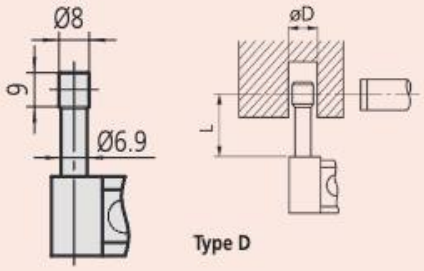
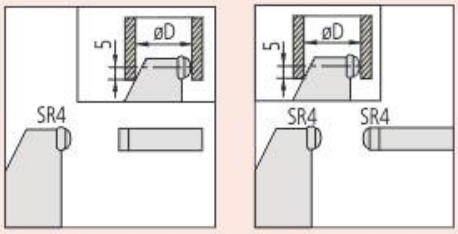


Type D



Type E

Type F

All products to be sold to commercial customers.
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