

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

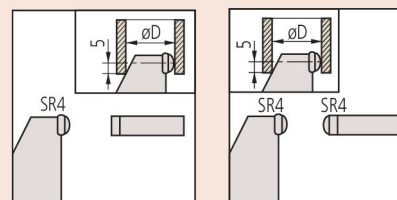
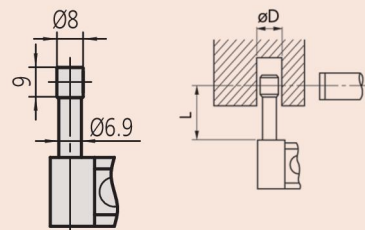
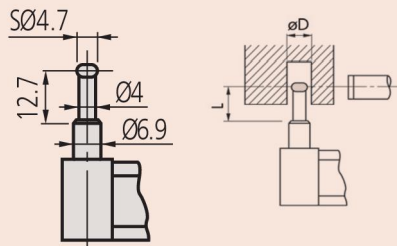
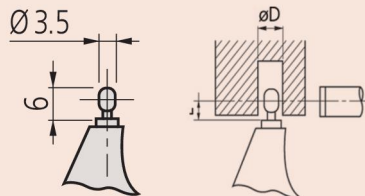
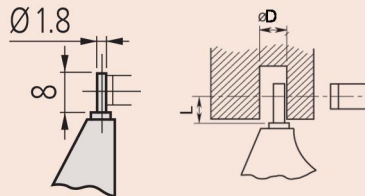
Spindle and anvil:
carbide-tipped, micro-lap
finish
(115-1xx, 115-2xx)
spindle: carbide-tipped
anvil: hardened steel
(115-3xx)

Measuring spindle

With spindle lock, ϕ 6,35
mm, spindle pitch 0,5 mm

Delivered

Including box, setting
standard (from 25 mm
upward), key



Type E

Type F

Metric

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

Metric

Model with spherical anvil

No.	Range [mm]	Flatness	Maximum Permissible Error J MPE	Graduation	Anvil / Spindle	Mass [g]	D [mm]
115-115	0 - 25	0,6 μ m	± 3 μ m	0,01 mm	Type E, sperical anvil SR=4 mm/ flat spindle	180	10
115-116	25 - 50	0,6 μ m	± 3 μ m	0,01 mm	Type E, sperical anvil SR=4 mm/ flat spindle	240	11
115-117	50 - 75	0,6 μ m	± 3 μ m	0,01 mm	Type E, sperical anvil SR=4 mm/ flat spindle	315	17
115-118	75 - 100	0,6 μ m	± 4 μ m	0,01 mm	Type E, sperical anvil SR=4 mm/ flat spindle	375	18

Metric

Model with spherical anvil and spindle face

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