Sheet Metal Micrometers

Series 118

This Sheet Metal Micrometer is designed with a deep frame for measuring the thickness of sheet material.

Specifications

Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, throat depth up to 150 mm : ø 6.35 mm throat depth up to 300 mm : ø 8 mm, spindle pitch 0.5 mm
Scale	Thimble and sleeve satin chrome finish ø18 mm (118-103 ø21 mm)
Delivered	Including box, key, setting standard (from 25 mm upward)



118-101



118-102



Type A
Flat-Flat



Type B
Spherical-Flat



Type C
Spherical-Spherical

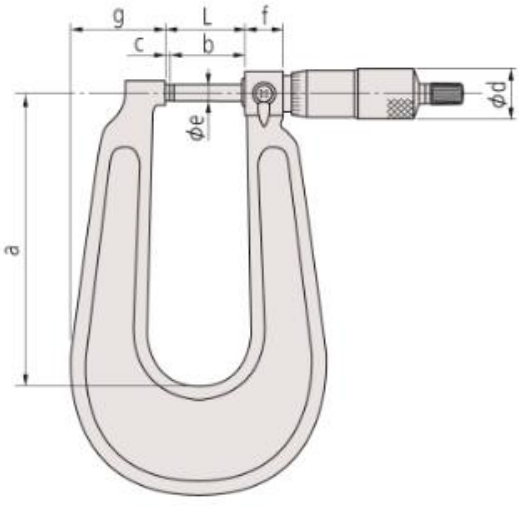


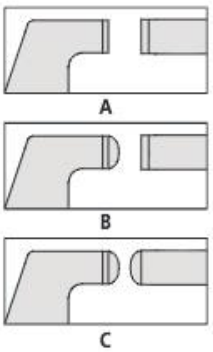
118-103

Metric

No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Variation in length V MPE	Anvil / Spindle	Measuring force [N]	L [mm]
118-101	0–25	0,01 mm	±4 µm	3 µm	Type A, flat/flat	3-8	30,3
118-102	0–25	0,01 mm	±4 µm	3 µm	Type A, flat/flat	3-8	30,3
118-103	0–25	0,01 mm	±5 µm	3 µm	Type A, flat/flat	10-14	38,5
118-110	25–50	0,01 mm	±4 µm	3 µm	Type A, flat/flat	3-8	55,3
118-114	0–25	0,01 mm	±4 µm		Type B, spherical/flat	3-8	30,3
118-118	0–25	0,01 mm	±4 µm		Type C, spherical/spherical	3-8	30,3
118-126	25–50	0,01 mm	±4 µm		Type C, spherical/spherical	3-8	55,3

No.	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	g [mm]	Mass [g]
118-101	110	27,5	2,5	18	6,35	14,5	34	445
118-102	160	27,5	2,5	18	6,35	14,5	43	740
118-103	330	35	3,5	21	8	28	84	2650
118-110	165	27,5	2,5	18	6,35	14,5	41	820
118-114	160	27,5	2,5	18	6,35	14,5	43	740
118-118	160	27,5	2,5	18	6,35	14,5	43	740
118-126	165	27,5	2,5	18	6,35	14,5	41	820





All products to be sold to commercial customers.
Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

Mitutoyo