Sheet Metal Micrometer

Series 118

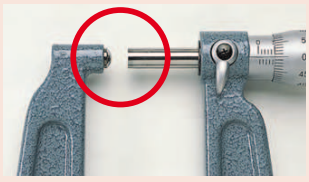
- Designed with a deep frame for measuring the thickness of sheet material at a greater distance from the edge than is possible with a standard micrometer.

118-102

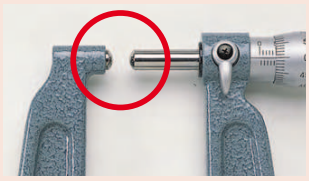
Specifications

Accuracy	Refer to the list of specifications
Graduation	0,01 mm, 0.001" or 0.0001"
Scales	Thimble and sleeve satin chrome finish, ø18 mm or ø21 mm
Flatness	0,6 µm for models with 110, 160, 165 mm throat 1 µm for models with 300 mm throat
Parallelism	3 µm
Measuring surfaces	Carbide tipped, micro-lap finish
Frame	Enamelled
Measuring spindle	Throat depth up to 165 mm : ø 6,35 mm Throat depth up to 330 mm : ø8 mm Spindle pitch 0,5 mm, with spindle lock
Measuring force	3-8N/ 10-14N (118-103, 118-107)
Delivered	Including box, key

Type A
Flat-Flat



Type B
Spherical-Flat



Type C
Spherical-Spherical

Metric

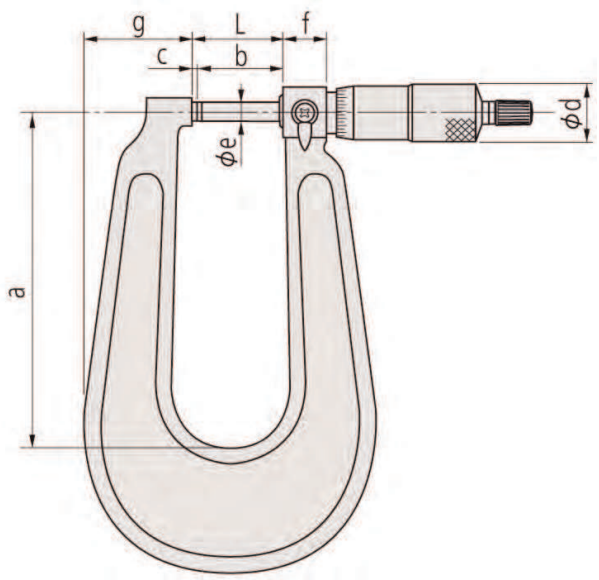
No.	Range	Accuracy	L (mm)	a (mm)	b (mm)	c (mm)
118-101	0-25 mm	±4 µm	30,3	110	27,5	2,8
118-102	0-25 mm	±4 µm	30,3	160	27,5	2,8
118-103	0-25 mm	±5 µm	38,5	330	35	3,5
118-110	25-50 mm	±4 µm	55,3	165	27,5	2,5
118-114	0-25 mm	±4 µm	30,3	160	27,5	2,8
118-118	0-25 mm	±4 µm	30,3	160	27,5	2,8
118-126*	25-50 mm	±4 µm	55,3	165	27,5	2,5

No.	d (mm)	e (mm)	f (mm)	g (mm)	Anvil/Tip	Mass g
118-101	18	6,35	14,5	39	A	445
118-102	18	6,35	14,5	48	A	740
118-103	21	8	28	84	A	2,650
118-110	18	6,35	14,5	45	A	820
118-114	18	6,35	14,5	48	B	740
118-118	18	6,35	14,5	48	C	740
118-126*	18	6,35	14,5	48	C	820

Inch

No.	Range	Accuracy	a (mm)	b (mm)	Anvil/Tip	Mass g
118-129*	0 - 1"(1)	±0.0002"	160	27.5	A	740
118-116*	0 - 1"	±0.0002"	160	27.5	B	740
118-120	0 - 1"	±0.0002"	160	27.5	C	740
118-107*	0 - 1"	±0.00025"	330	38.5	A	2,650
118-112*	1 - 2"	±0.0002"	165	27.5	A	820

(1)0.0001" reading is obtained with vernier



Mitutoyo