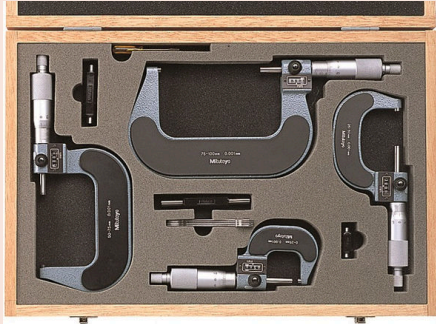
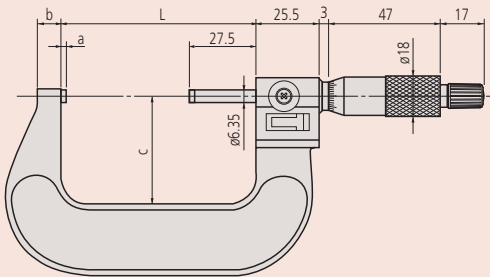


Specifications

Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, $\varnothing$ 6,35 mm, spindle pitch 0,5 mm
Scale	Thimble and sleeve satin chrome finish $\varnothing$ 18 mm
Delivered	Including box, setting standard (from 25 mm upward), key



193-902



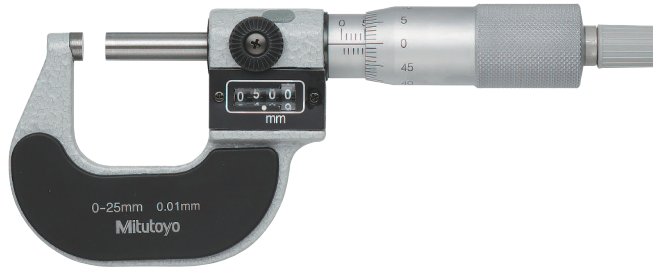
193-112

Digit Outside Micrometers

Series 193

This Digit Outside Micrometer comes with a mechanical counter and offers you the following benefits:

- Mechanical Digit counter
- Quick and easy reading



193-101

Metric

Graduation 0.001 mm is obtained with vernier on sleeve

No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Variation in length V MPE	Class EN ISO 3611	Measuring force [N]	L [mm]	a [mm]	b [mm]	c [mm]	Mass [g]
193-111	0-25	0,001 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 2	5-15	30	2,5	5	26	224
193-112	25-50	0,001 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 2	5-15	55	2	8	32	275
193-113	50-75	0,001 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 1	5-15	80	2	9	45	379
193-114	75-100	0,001 mm	$\pm 3 \mu\text{m}$	$3 \mu\text{m}$	Class 2	5-15	105	2	9	57	489

Metric

Graduation 0.01 mm

No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Variation in length V MPE	Class EN ISO 3611	Measuring force [N]	L [mm]	a [mm]	b [mm]	c [mm]	Mass [g]
193-101	0-25	0,01 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 2	5-15	30	2,5	5	26	224
193-102	25-50	0,01 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 2	5-15	55	2	8	32	275
193-103	50-75	0,01 mm	$\pm 2 \mu\text{m}$	$2 \mu\text{m}$	Class 1	5-15	80	2	9	45	379
193-104	75-100	0,01 mm	$\pm 3 \mu\text{m}$	$3 \mu\text{m}$	Class 2	5-15	105	2	9	57	489

Metric

Micrometer set

No.	Range [mm]	Graduation	Measuring force [N]	Content of Set	Mass [g]
193-901	0-75	0,01 mm	5-15	193-101, 193-102, 193-103, 2 setting standards	820
193-902	0-100	0,01 mm	5-15	193-101, 193-102, 193-103, 193-104, 3 setting standards	1367