

Indicating Micrometers

SERIES 510

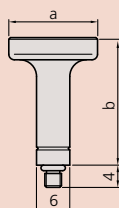
Technical Data

Spindle feed error: $3\mu\text{m} / .00012''$
 Dial indication accuracy: $1\mu\text{m} / .00004''$
 Dispersion of indication: $0.4\mu\text{m} / .00002''$
 Graduation: 0.001mm or $.0001''$
 Dial reading: 0.001mm or $.00005''$
 Flatness: $0.3\mu\text{m} / .000012''$
 Parallelism: $0.6\mu\text{m} / .000024''$ for models up to $50\text{mm} / 2''$
 $1\mu\text{m} / .00004''$ for models over $50\text{mm} / 2''$
 Measuring force: 5 - 10N (500 - 1000gf)
 Measuring faces: Carbide tipped

Optional Accessories

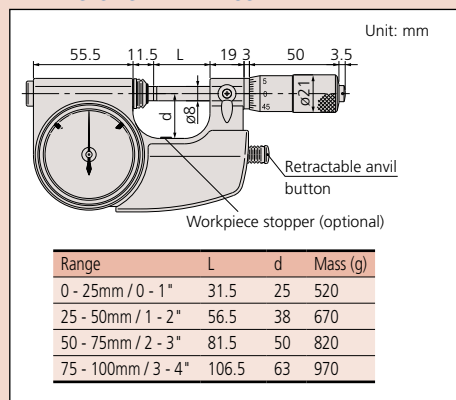
04AZA124: $\phi 16\text{mm} / \phi .63''$ workpiece stopper
 (not available for $25\text{mm} / 1''$ model)
04AZA125: $\phi 14\text{mm} / \phi .55''$ workpiece stopper
04AZA126: $\phi 14\text{mm} / \phi .55''$ workpiece stopper

Unit: mm



	a	b
04AZA124	16	23
04AZA125	14	20.5
04AZA126	14	15

DIMENSIONS AND MASS

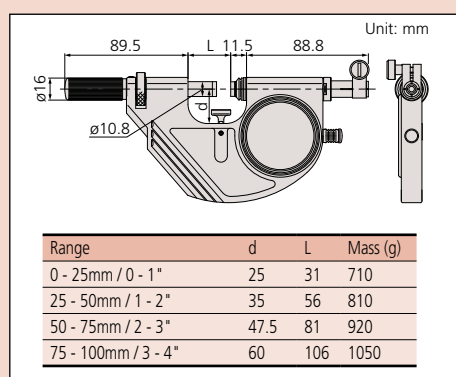


Range	L	d	Mass (g)
0 - 25mm / 0 - 1"	31.5	25	520
25 - 50mm / 1 - 2"	56.5	38	670
50 - 75mm / 2 - 3"	81.5	50	820
75 - 100mm / 3 - 4"	106.5	63	970

Technical Data

Flatness: $0.3\mu\text{m} / .000012''$
 Parallelism: $0.6\mu\text{m} / .000024''$ for models up to $50\text{mm} / 2''$
 $1\mu\text{m} / .00004''$ for models over $50\text{mm} / 2''$
 Measuring force: 5 - 10N (500 - 1000gf)
 Measuring faces: Carbide tipped

DIMENSIONS AND MASS



Range	d	L	Mass (g)
0 - 25mm / 0 - 1"	25	31	710
25 - 50mm / 1 - 2"	35	56	810
50 - 75mm / 2 - 3"	47.5	81	920
75 - 100mm / 3 - 4"	60	106	1050

FEATURES

- Retractable anvil with indicator for three-wire measurements of pitch diameter of precision screws and parallelism measurements.
- With a standard bar except for 0 - 25mm / 0 - 1" model.
- IP protection level: 54
- Supplied in fitted plastic case.



510-131

SPECIFICATIONS

Metric	Range	Graduation	Order No.	Indicating range
	0 - 25mm	0.001mm	510-121* 510-141	$\pm 0.060\text{mm}$
	25 - 50mm	0.001mm	510-122	$\pm 0.060\text{mm}$
	50 - 75mm	0.001mm	510-123	$\pm 0.060\text{mm}$
	75 - 100mm	0.001mm	510-124	$\pm 0.060\text{mm}$

*Retractable anvil button on the right side.

Inch	Range	Graduation	Order No.	Indicating range
	0 - 1"	.00005"	510-131* 510-151	$\pm .0023''$
	1 - 2"	.00005"	510-132	$\pm .0023''$
	2 - 3"	.00005"	510-133	$\pm .0023''$
	3 - 4"	.00005"	510-134	$\pm .0023''$

*Retractable anvil button on the right side.

Snap Meters

SERIES 523

FEATURES

- Various types of indicators, LVDTs and linear gages can be selected according to the measurement applications.
- Supplied in fitted plastic case.

Indicator is optional.



523-141

SPECIFICATIONS

Metric	Range	Order No.	Anvil movement
	0 - 25mm	523-141	2mm
	25 - 50mm	523-142	2mm
	50 - 75mm	523-143	2mm
	75 - 100mm	523-144	2mm

Inch	Range	Order No.	Anvil movement
	0 - 1"	523-151	.078"
	1 - 2"	523-152	.078"
	2 - 3"	523-153	.078"
	3 - 4"	523-154	.078"