

Indicating Micrometers

SERIES 510

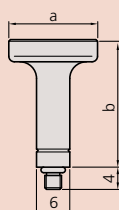
Technical Data

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

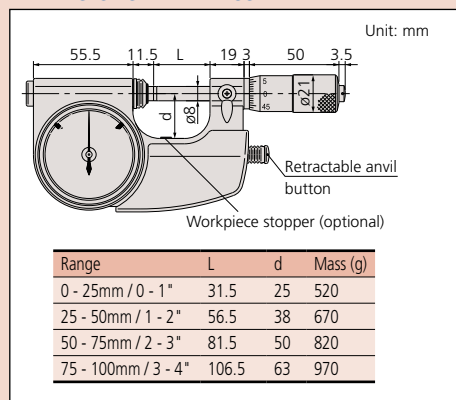
04AZA124: $\phi 16\text{mm} / \phi .63''$ workpiece stopper
 (not available for $25\text{mm} / 1''$ model)
04AZA125: $\phi 14\text{mm} / \phi .55''$ workpiece stopper
04AZA126: $\phi 14\text{mm} / \phi .55''$ workpiece stopper

Unit: mm



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

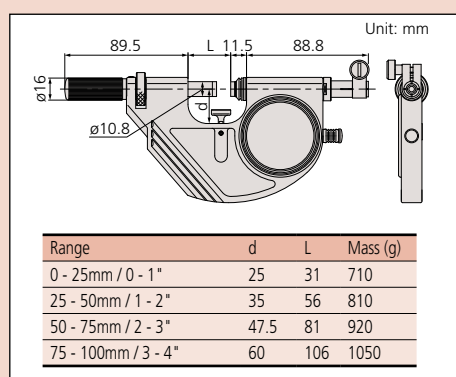
DIMENSIONS AND MASS



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



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			Gage stem dia 8mm
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			Gage stem dia 3/8"
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"	

Dial Snap Meters

SERIES 523

FEATURES

- Direct go/no-go judgment for mass-produced parts.
- Spindle diameter: .425" / 10.8mm
- IP protection level: 54
- Supplied in fitted plastic case.



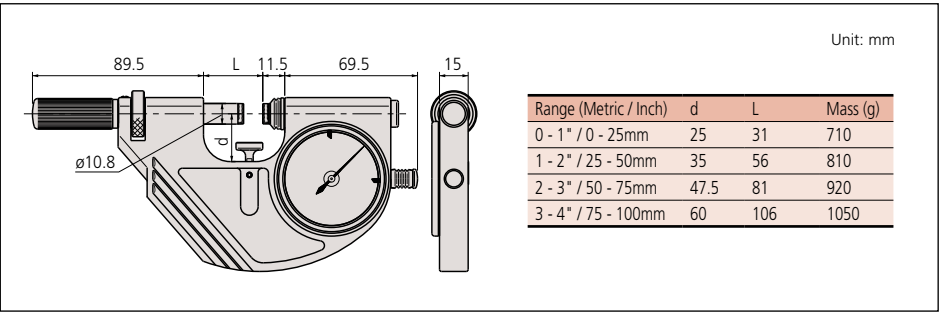
523-131

SPECIFICATIONS

Metric			
Range	Graduation	Order No.	Indicating range
0 - 25mm	0.001mm	523-121	±0.060mm
25 - 50mm	0.001mm	523-122	±0.060mm
50 - 75mm	0.001mm	523-123	±0.060mm
75 - 100mm	0.001mm	523-124	±0.060mm

Inch			
Range	Graduation	Order No.	Indicating range
0 - 1"	.00005"	523-131	±.0023"
1 - 2"	.00005"	523-132	±.0023"
2 - 3"	.00005"	523-133	±.0023"
3 - 4"	.00005"	523-134	±.0023"

DIMENSIONS AND MASS



Technical Data

Dial indication accuracy: .00005" / 1µm
Indication repeatability: .00002" / 0.4µm
Dial reading: .00005" or 0.001mm
Flatness: .000012" / 0.3µm
Parallelism: .000024" / 0.6µm for models up to 2" / 50mm
.00004" / 1µm for models over 2" / 50mm
Measuring force: 5 - 10N (500 - 1000gf)
Measuring faces: Carbide tipped