Blade Micrometers

Series 422, 122 – Non-Rotating Spindle

422-312-30
MDC Type

422-311-30
MDC Type

122-125

122-101

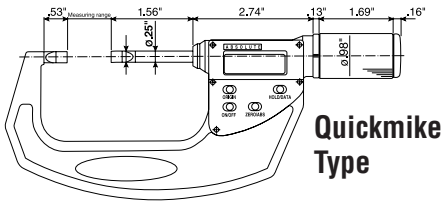
422-411

Features

- The anvil and the spindle have a blade for measuring the groove diameter of shafts, keyways, and other hard-to-reach portions.
- Non-rotating spindle.
- The 422 series provides digital readout to .00005"/0.001mm and can be linked to the SPC system.
- MDC Digimatic functions same as the Digimatic Outside Micrometers series 293 at the first pages of this section.
- All Digimatic models provide SPC output. See order table for cable.
- Quickmike Digimatic types provide Absolute encoder sensor that tracks spindle position eliminating the need for repeated zero settings.
- Quickmike Digimatic types also have a measuring range .2"/5mm wider than the conventional MDC type.

Accuracy

- Parallelism: .00012" for models up to 2", .00012" + .00004" x ($\frac{L^*}{4"}$) for over 2", 3µm models for up to 50mm, (3 + L/100)µm for models over 50mm. (*truncated after decimal point).
  L = maximum measuring length



Quickmike
Type

Specifications

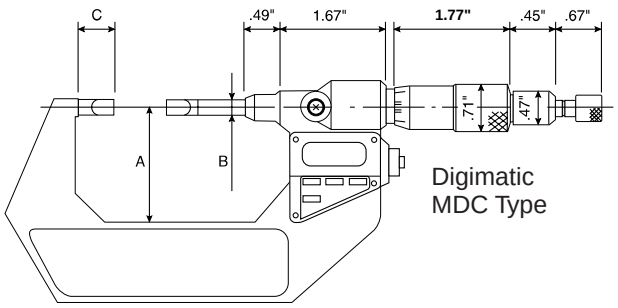
Digimatic Blade Micrometers (Quickmike Type) (with SPC output)

Inch/Metric

Order No.	Range	LCD Resolution	Accuracy	Remarks
422-421	0–1.2" 0–30mm	.00005" 0.001mm	±.00015"	Blade Dimension: a
422-422	1–2.2" 25–55mm	.00005" 0.001mm	±.00015"	Blade Dimension: a

Metric

Order No.	Range	LCD Resolution	Accuracy	Remarks
422-411	0–30mm	0.001mm	±0.003mm	Blade Dimension: a
422-412	25–55mm	0.001mm	±0.003mm	Blade Dimension: a

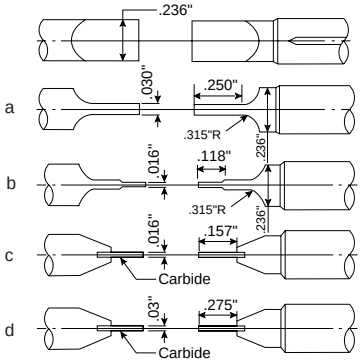


Digimatic
MDC Type

Dimensions

Digimatic Type			
Range	A	B	C
0–1" 0–25mm	1.26"	.25"	.49"
1–2" 25–50mm	2.68"		
2–3" 50–75mm	3.27"		
3–4" 75–100mm	3.70"		.51"

Blade Dimensions



Specifications

Digimatic Blade Micrometers (MDC Type) (with SPC output)

Inch/Metric

Order No.	Range	LCD Resolution	Accuracy	Remarks
422-311-30	0–1" 0–25.4mm	.00005" 0.001mm	±.00015"	Blade Dimension: a
422-321-30	0–1" 0–25.4mm	.00005" 0.001mm	±.00015"	Blade Dimension: d
422-351-30	0–1" 0–25.4mm	.00005" 0.001mm	±.00015"	Blade Dimension: c
422-312-30	1–2" 25.4–50.8mm	.00005" 0.001mm	±.00015"	Blade Dimension: a
422-313-30	2–3" 50.8–76.2mm	.00005" 0.001mm	±.00015"	Blade Dimension: a
422-314-30	3–4" 76.2–101.6mm	.00005" 0.001mm	±.0002"	Blade Dimension: a
422-341-30	0–1" 0–25.4mm	.00005" 0.001mm	±.00015"	Blade Dimension: b
422-342-30	1–2" 25.4–50.8mm	.00005" 0.001mm	±.00015"	Blade Dimension: b

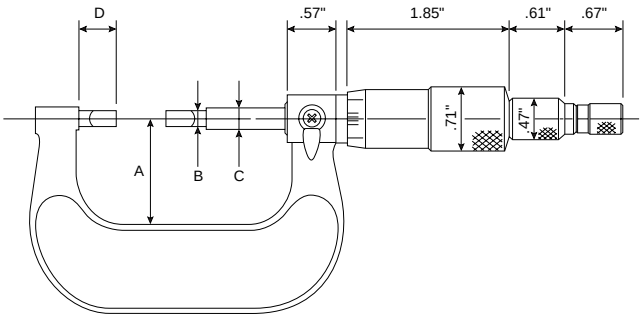
*For SPC output order connecting cable **937387** (1m) or **965013** (2m).

Digimatic Blade Micrometers (MDC Type)

Metric (Metric only models have metric thimble and no inch/mm button).

Order No.	Range	LCD Resolution	Accuracy	Remarks
422-111-30	0–25mm	0.001mm	±0.003mm	Blade Dimension: a
422-112-30	25–50mm	0.001mm	±0.003mm	Blade Dimension: a
422-113-30	50–75mm	0.001mm	±0.003mm	Blade Dimension: a
422-114-30	75–100mm	0.001mm	±0.004mm	Blade Dimension: a
422-141-30	0–25mm	0.001mm	±0.003mm	Blade Dimension: b
422-142-30	25–50mm	0.001mm	±0.003mm	Blade Dimension: b

For SPC output order connecting cable **937387**(1m) or **965013**(2m). Replacement Battery: **541980** (1pc), **541980-10** (10pcs/SET).



Dimensions

Mechanical Type				
Range	A	B	C	D
0–1" 0–25mm	1.18"	.236"	.315"	.59"
1–2" 25–50mm	1.93"			
2–3" 50–75mm	2.36"			
3–4" 75–100mm	3.11"			.69"

Specifications

Blade Micrometer

Inch

Order No.	Range	Resolution	Accuracy	Remarks
122-125	0–1"	.0001"	±.00015"	Blade Dimension: a
122-126	1–2"	.0001"	±.00015"	Blade Dimension: a
122-127	2–3"	.0001"	±.00015"	Blade Dimension: a
122-128	3–4"	.0001"	±.0002"	Blade Dimension: a
122-135	0–1"	.0001"	±.00015"	Blade Dimension: b
122-151	0–1"	.0001"	±.00015"	Blade Dimension: c (carbide)

Metric

Order No.	Range	Resolution	Accuracy	Remarks
122-101	0–25mm	0.01mm	±0.003mm	Blade Dimension: a
122-102	25–50mm	0.01mm	±0.003mm	Blade Dimension: a
122-103	50–75mm	0.01mm	±0.003mm	Blade Dimension: a
122-104	75–100mm	0.01mm	±0.004mm	Blade Dimension: a