

Blade Micrometers

SERIES 422, 122 — Non-Rotating Spindle Type



422-111-30



122-101

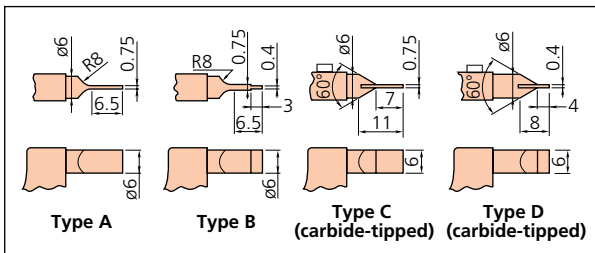


FEATURES

- The anvil and the spindle have a blade for measuring the groove diameter of shafts, keyways, and other hard-to-reach portions.

Blade Dimensions

Unit: mm



- With Ratchet Stop for constant force.
- Provided with a standard except for 25mm (1") model.

SPECIFICATIONS

Metric		Digital model		
Range	Order No.	Resolution	Accuracy	Remarks
0 - 25mm	422-111-30	0.001mm	±3µm	Type A
	422-141-30	0.001mm	±3µm	Type B
	422-121-30	0.001mm	±3µm	Type C
	422-151-30	0.001mm	±3µm	Type D
25 - 50mm	422-112-30	0.001mm	±3µm	Type A
	422-142-30	0.001mm	±3µm	Type B
50 - 75mm	422-113-30	0.001mm	±3µm	Type A
75 - 100mm	422-114-30	0.001mm	±4µm	Type A

Excluding quantizing error

Inch/Metric		Digital model		
Range	Order No.	Resolution	Accuracy	Remarks
0 - 1"	422-311-30	.00005"/0.001mm	±.00015"	Type A
	422-341-30	.00005"/0.001mm	±.00015"	Type B
	422-321-30	.00005"/0.001mm	±.00015"	Type C
	422-351-30	.00005"/0.001mm	±.00015"	Type D
1" - 2"	422-312-30	.00005"/0.001mm	±.00015"	Type A
	422-342-30	.00005"/0.001mm	±.00015"	Type B
2" - 3"	422-313-30	.00005"/0.001mm	±.00015"	Type A
3" - 4"	422-314-30	.00005"/0.001mm	±.0002"	Type A

Excluding quantizing error

Metric				
Range	Order No.	Graduation	Accuracy	Remarks
0 - 25mm	122-101	0.01mm	±3µm	Type A
	122-111	0.01mm	±3µm	Type B
	122-161	0.01mm	±3µm	Type C
	122-141	0.01mm	±3µm	Type D
25 - 50mm	122-102	0.01mm	±3µm	Type A
	122-112	0.01mm	±3µm	Type B
	122-162	0.01mm	±3µm	Type C
	122-142	0.01mm	±3µm	Type D
50 - 75mm	122-103	0.01mm	±3µm	Type A
75 - 100mm	122-104	0.01mm	±4µm	Type A
100 - 125mm	122-105	0.01mm	±4µm	Type A
125 - 150mm	122-106	0.01mm	±4µm	Type A
150 - 175mm	122-107	0.01mm	±5µm	Type A
175 - 200mm	122-108	0.01mm	±5µm	Type A

Inch				
Range	Order No.	Graduation	Accuracy	Remarks
0 - 1"	122-125	.0001"	±.00015"	Type A
	122-135	.0001"	±.00015"	Type B
	122-151	.0001"	±.00015"	Type D
1" - 2"	122-126	.0001"	±.00015"	Type A
	122-136	.0001"	±.00015"	Type B
2" - 3"	122-127	.0001"	±.00015"	Type A
3" - 4"	122-128	.0001"	±.0002"	Type A

Measuring faces

- Parallelism: 3µm (.00012") for models up to 50mm (2") (3+L/100)µm [(0.0012+.00004 (L/4))"] for models over 50mm (2")*

* L=Maximum measuring length (mm) [(inch)], Fraction rounded up

