

Calipers

SERIES 505 – Dial Caliper

- Newly designed dial movement for ultra-smooth sliding and high shock protection.
- Titanium coating is applied to the sliding surfaces to enhance durability (except for 0-300 mm and 0-12" models).
- Easy-to-read yellow dial.
- Large finger rest aids ease of use.
- Jaw tips are relieved for easy measurement of thin parts.
- Can measure outside and inside dimensions, depth, and steps.



505-730



505-731

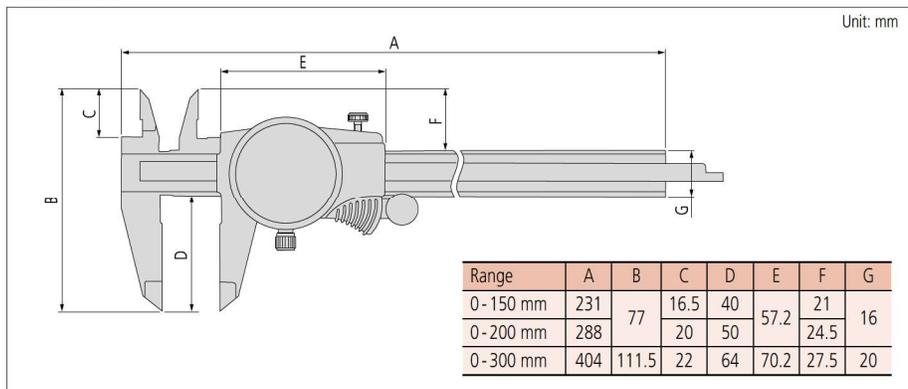
Specifications

Metric						
Code No.	Range	Max. permissible error		Graduation	Remarks	Price
		EMPE	SMPE			
505-730	0-150 mm	±0.03 mm	±0.05 mm	0.02 mm, 2 mm/rev	—	£134.00
505-732		±0.02 mm	±0.04 mm	0.01 mm, 1 mm/rev	Silver cover type	£140.00
505-731	0-200 mm	±0.03 mm	±0.05 mm	0.02 mm, 2 mm/rev	—	£177.00
505-733		±0.03 mm	±0.05 mm	0.01 mm, 1 mm/rev	Silver cover type	£177.00
505-745	0-300 mm	±0.04 mm	±0.06 mm	0.02 mm, 2 mm/rev	—	£298.00

Inch						
Code No.	Range	Max. permissible error		Graduation	Remarks	Price
		EMPE	SMPE			
505-742	0-6"	±.001"	±.0020"	.001", .1"/rev	Silver cover type	£134.00
505-743	0-8"	±.002"	±.0025"			£177.00
505-746	0-12"					£298.00
505-749					.001", .2"/rev	—

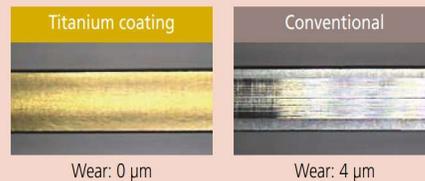
Note: Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019

Dimensions



Wear comparison of main scale slider face

The photographs below show the condition of the main beam sliding surfaces after a sliding test comprising 100,000 movements. Smooth movement over the entire measuring range is assured even when you use a particular part of the sliding surface repeatedly.



Wear: 0 µm

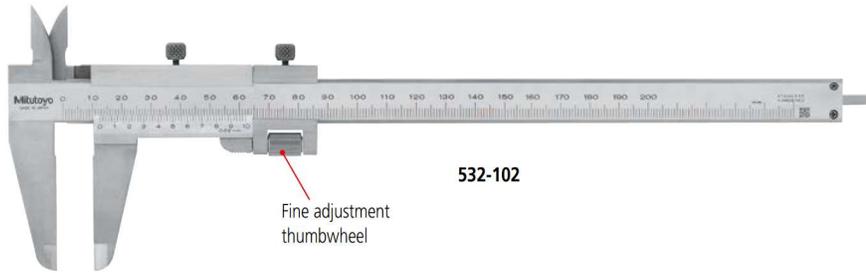
Wear: 4 µm

D

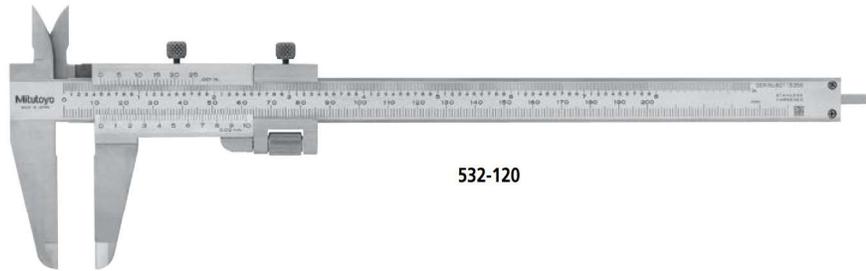
Calipers

SERIES 532 – Vernier Thumbwheel Caliper

- Fine-adjustment thumbwheel aids slider positioning.
- Can measure outside and inside dimensions, depth, and steps.



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Specifications

Metric				
Code No.	Range	Max. permissible error EMPE and SMPE	Graduation	Price
532-101	0 - 130 mm	±0.03 mm	0.02 mm	£85.70
532-102	0 - 180 mm			£114.00
532-103	0 - 280 mm	±0.04 mm		£253.00

Inch/Metric				
Code No.	Range	Max. permissible error EMPE and SMPE	Graduation	Price
532-119	0 - 130 mm (0-5")	±0.03 mm	0.02 mm (.001")	£85.70
532-120	0 - 180 mm (0-7")			£114.00
532-121	0 - 280 mm (0-11")	±0.04 mm		£253.00

Note: Partial Measuring Face Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in JIS B 7507: 2016, revised based on ISO 13385-1: 2011.

Dimensions

