

# Calipers

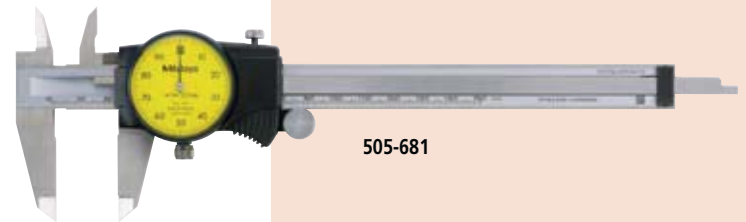
A standard measuring tool of industry

## Dial Caliper Series 505

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



505-671



505-681



505-673

## SPECIFICATIONS

### Metric

Order No.	Range	Accuracy	Graduation	Remarks
505-680	0 - 100mm	±0.015mm	0.01mm, 1mm/rev	—
505-671 / 505-683*	0 - 150mm	±0.03mm	0.02mm, 2mm/rev	Carbide-tipped jaws for outside measurement
505-707				Carbide-tipped jaws for outside and inside measurement
505-711		±0.02mm	0.01mm, 1mm/rev	—
505-681 / 505-685*	0 - 200mm	±0.03mm	0.02mm, 2mm/rev	—
505-672 / 505-684*				—
505-682 / 505-686*		0.01mm, 1mm/rev	0.01mm, 1mm/rev	—
505-673	0 - 300mm	±0.04mm	0.02mm, 2mm/rev	—

\* Silver cover type

### Inch

Order No.	Range	Accuracy	Graduation	Remarks
505-674	0 - 4"	±.001"	.001", .1"/rev	—
505-675 / 505-689*	0 - 6"	±.001"		Carbide-tipped jaws for outside measurement
505-708		±.001"		Carbide-tipped jaws for outside and inside measurement
505-712		±.001"		—
505-676 / 505-690*	0 - 8"	±.002"		Carbide-tipped jaws for outside measurement
505-709		±.002"		Carbide-tipped jaws for outside and inside measurement
505-713		±.002"		—
505-720	0 - 12"	±.002"	.001", .2"/rev	—
505-677*		±.002"	.001", .1"/rev	—
505-721		±.002"	.001", .2"/rev	Carbide-tipped jaws for outside measurement
505-710*		±.002"	.001", .1"/rev	Carbide-tipped jaws for outside and inside measurement
505-714*		±.002"	.001", .1"/rev	—

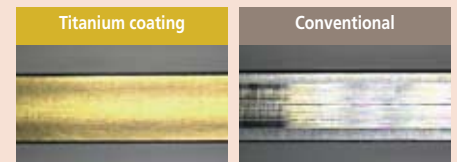
\* Silver cover type



An inspection certificate is attached as standard. Refer to page IX for details.

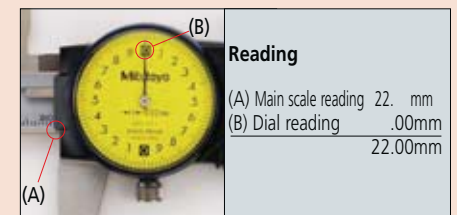
## Wear comparison of main scale slider face

Following photos show conditions of the sliding surface 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

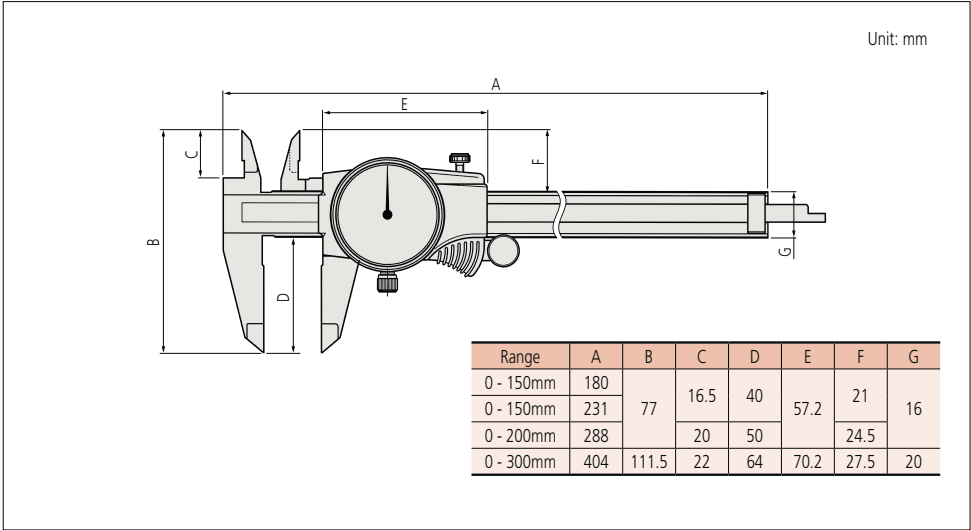
Wear: 4 μm



### Reading

(A) Main scale reading 22. mm  
(B) Dial reading .00mm  
22.00mm

DIMENSIONS



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