

# Dial Caliper

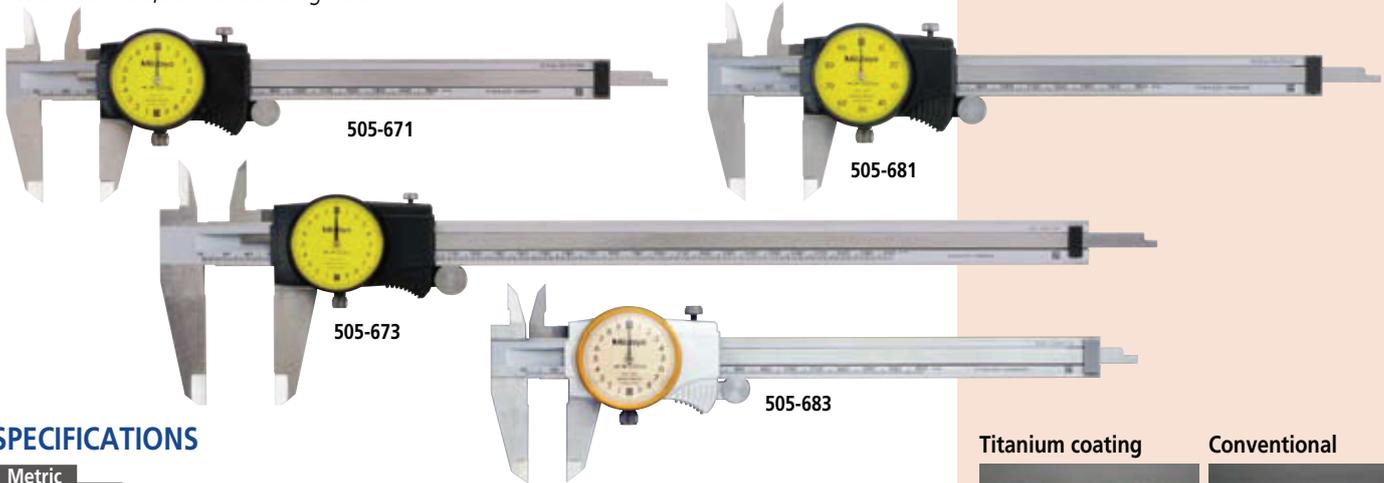
## SERIES 505

### FEATURES

- 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). No wear over 100,000-time sliding test.
- Can measure outside and inside diameter (OD and ID), depth, and steps.
- Clamping screw atop the slider.
- Special models available with carbide-tipped outside and inside jaws.



(Refer to page VIII for details.)



### SPECIFICATIONS

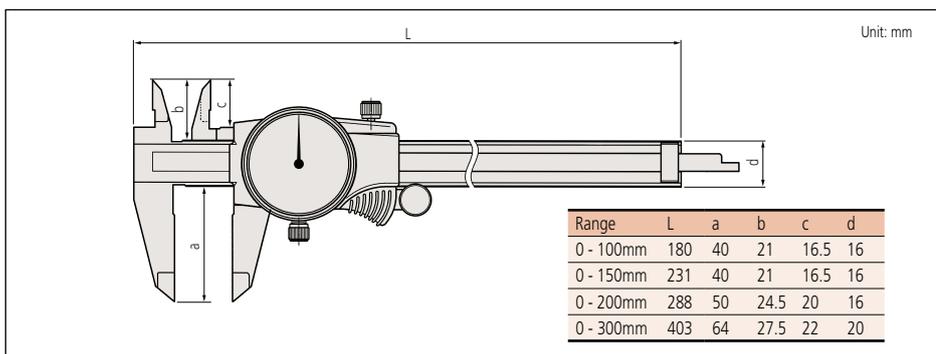
Metric				
Range	Order No.	Accuracy	Graduation	Remarks
0 - 100mm	505-680	±0.015mm	0.01mm, 1mm/rev	—
0 - 150mm	505-671 / 505-683*	±0.03mm	0.02mm, 2mm/rev	—
0 - 150mm	505-707	±0.03mm	0.02mm, 2mm/rev	Carbide-tipped jaws for outside measurement
0 - 150mm	505-711	±0.03mm	0.02mm, 2mm/rev	Carbide-tipped jaws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

\*Silver cover type

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

\*Silver cover type

### DIMENSIONS



### Titanium coating



Wear: 0µm

### Conventional



Wear: 4µm

### Technical Data

Accuracy: Refer to the list of specifications.  
Dial reading: Refer to the list of specifications.