

Dial Caliper

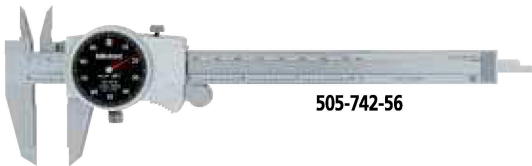
SERIES 505

FEATURES

- New designed dial movement for ultra-smooth sliding and high-shock protection.
- Improved finish on sliding surfaces for longevity.
- New face for improved readability.
- Lock screw for dial bezel and for holding the sliding jaw position.
- Can measure OD, ID, depth and steps.
- Models available with carbide-tipped OD and ID jaws.
- Supplied in fitted plastic case.



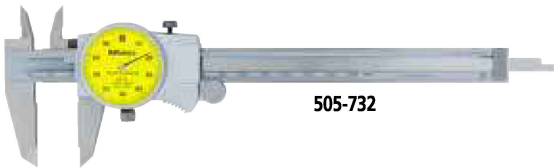
.100" per revolution



.200" per revolution



1mm per revolution



2mm per revolution

SPECIFICATIONS

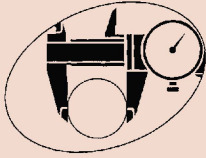
Metric 1mm Per One Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-150mm	505-732	+/-0.03mm	0.01mm	—
0-200mm	505-733	+/-0.03mm	0.01mm	—

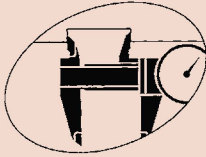
Metric 2mm Per One Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-150mm	505-730	+/-0.03mm	0.02mm	—
0-150mm	505-734	+/-0.03mm	0.02mm	Carbide-tipped jaws for OD measurement
0-150mm	505-735	+/-0.03mm	0.02mm	Carbide-tipped jaws for OD & ID measurement
0-200mm	505-731	+/-0.03mm	0.02mm	—
0-300mm	505-745	+/-0.04mm	0.02mm	—

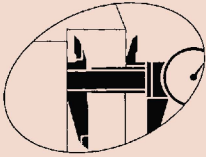
Measurement Applications



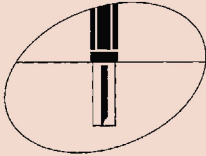
1. Outside measurement



2. Inside measurement



3. Step measurement



4. Depth measurement

SPECIFICATIONS

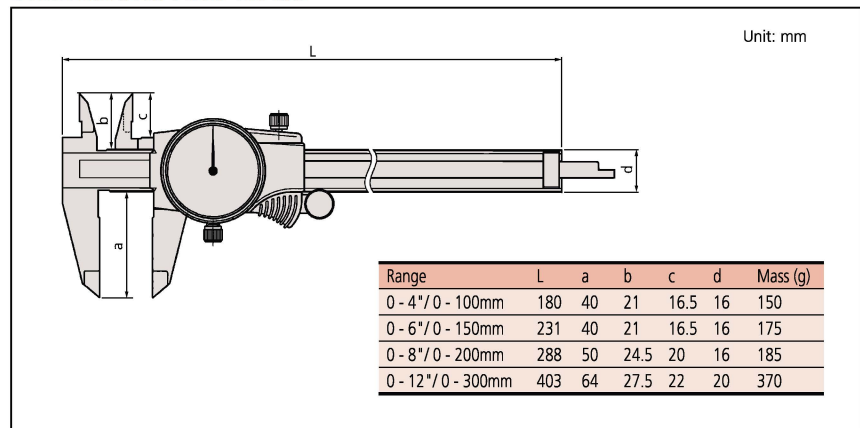
Inch .1" Per Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-6"	505-742	+/- .001"	.001"	-
0-6"	505-742-51	+/- .001"	.001"	Blue Dial Face
0-6"	505-742-52	+/- .001"	.001"	Purple Dial Face
0-6"	505-742-53	+/- .001"	.001"	Green Dial Face
0-6"	505-742-54	+/- .001"	.001"	Red Dial Face
0-6"	505-742-55	+/- .001"	.001"	Orange Dial Face
0-6"	505-742-56	+/- .001"	.001"	Black Dial Face
0-6"	505-736	+/- .001"	.001"	Carbide-tipped jaws for OD measurement
0-6"	505-738	+/- .001"	.001"	Carbide-tipped jaws for OD & ID measurement
0-8"	505-743	+/- .002"	.001"	-
0-8"	505-737	+/- .002"	.001"	Carbide-tipped jaws for OD measurement
0-8"	505-739	+/- .002"	.001"	Carbide-tipped jaws for OD & ID measurement
0-12"	505-746	+/- .002"	.001"	—
0-12"	505-747	+/- .002"	.001"	Carbide-tipped jaws for OD measurement
0-12"	505-748	+/- .002"	.001"	Carbide-tipped jaws for OD & ID

Inch .2" Per Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-6"	505-740	+/- .001"	.001"	—
0-6"	505-744	+/- .001"	.001"	Carbide-tipped jaws for OD measurement
0-8"	505-741	+/- .002"	.001"	—
0-12"	505-749	+/- .002"	.001"	—
0-12"	505-750	+/- .002"	.001"	Carbide-tipped jaws for OD measurement

DIMENSIONS AND MASS



Dial Caliper

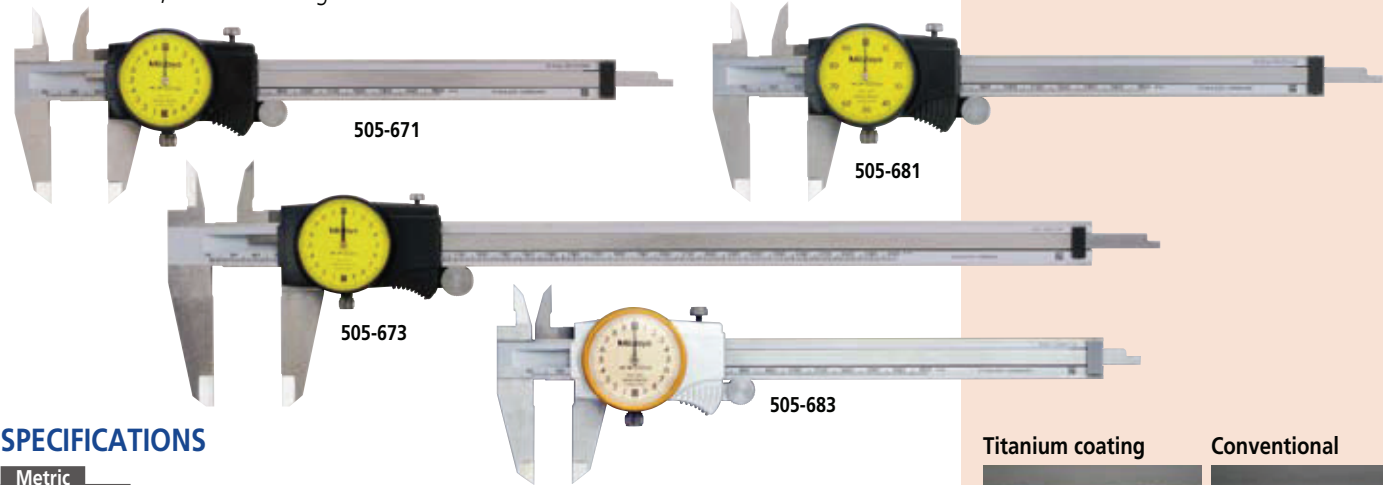
SERIES 505

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

Titanium coating



Wear: 0µm

Conventional



Wear: 4µm

Technical Data

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

DIMENSIONS

