

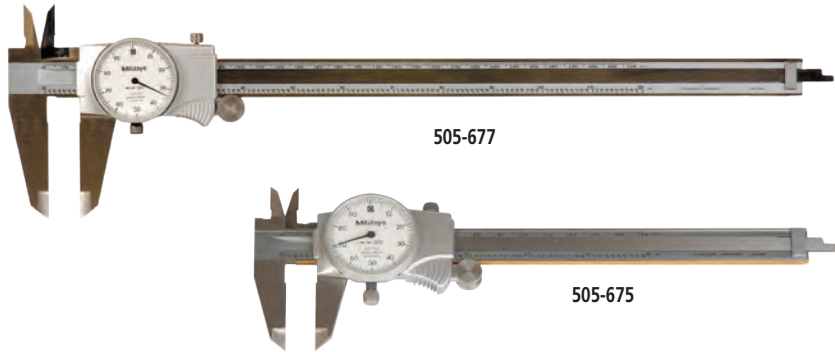
# Dial Caliper

**SERIES 505**

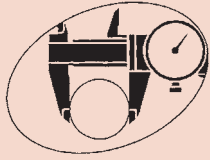
**Willrich Precision**  
**Ph 866-945-5742**  
**email: sales@willrich.com**

## FEATURES

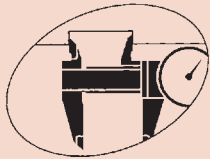
- New designed dial movement for ultra smooth sliding and high shock protection.
- Titanium Nitride (TiN) coating is applied to the sliding surface to increase wear resistance (except for 0 - 12" and 0 - 300mm model).
- Lock screw for dial bezel and for holding the sliding jaw position.
- Can measure OD, ID, depth, and steps.
- Models available with carbide-tipped OD and ID jaws.
- Supplied in fitted plastic case.



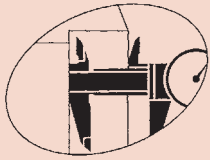
## "Quadri" (4-way) Measurement



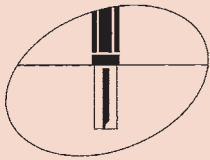
1. Outside measurement



2. Inside measurement



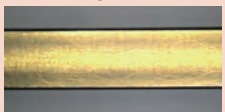
3. Step measurement



4. Depth measurement

Results of 1,000,000 cycle sliding wear test

TiN coating



Wear: 0 $\mu$ m

Conventional



Wear: 4 $\mu$ m

## SPECIFICATIONS

**Inch**  $\frac{1}{16}$ " Per One Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-4"	505-674	+/- .001"	.001"	-
0-6"	505-675	+/- .001"	.001"	-
0-6"	505-675-51	+/- .001"	.001"	Blue Dial Face
0-6"	505-675-52	+/- .001"	.001"	Purple Dial Face
0-6"	505-675-53	+/- .001"	.001"	Green Dial Face
0-6"	505-675-54	+/- .001"	.001"	Red Dial Face
0-6"	505-675-55	+/- .001"	.001"	Orange Dial Face
0-6"	505-675-56	+/- .001"	.001"	Black Dial Face
0-6"	505-675-66	+/- .001"	.001"	Black Dial Face with Ratchet Stop
0-6"	505-689	+/- .001"	.001"	Extra smooth movement
0-6"	505-708	+/- .001"	.001"	Carbide-tipped jaws for OD measurement
0-6"	505-712	+/- .001"	.001"	Carbide-tipped jaws for OD & ID measurement
0-8"	505-676	+/- .002"	.001"	-
0-8"	505-690	+/- .002"	.001"	Extra smooth movement
0-8"	505-709	+/- .002"	.001"	Carbide-tipped jaws for OD measurement
0-8"	505-713	+/- .002"	.001"	Carbide-tipped jaws for OD & ID measurement
0-12"	505-677	+/- .002"	.001"	—
0-12"	505-710	+/- .002"	.001"	Carbide-tipped jaws for OD measurement
0-12"	505-714	+/- .002"	.001"	Carbide-tipped jaws for OD & ID

**Inch**  $\frac{1}{32}$ " Per One Revolution

Range	Order No.	Accuracy	Graduation	Remarks
0-4"	505-716	+/- .001"	.001"	—
0-6"	505-717	+/- .001"	.001"	—
0-6"	505-718	+/- .001"	.001"	Carbide-tipped jaws for OD measurement
0-8"	505-719	+/- .002"	.001"	—
0-12"	505-720	+/- .002"	.001"	—
0-12"	505-721	+/- .002"	.001"	Carbide-tipped jaws for OD measurement

## DIMENSIONS AND MASS

