ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
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**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

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Find the *Mitutoyo 505-637-50* at our website: ***Click HERE***

# Dial Caliper

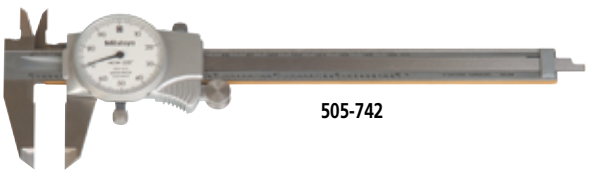
## SERIES 505

### FEATURES

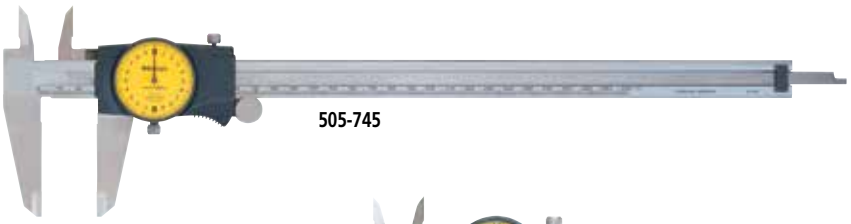
- New designed dial movement for ultra smooth sliding and high shock protection.
- Improved finish on sliding surfaces for longevity.
- New face for easier readibility.
- Removal of TiN coating on sliding surfaces without sacrificing wear life.
- Lock screw for dial bezel and for holding the sliding jaw position.
- Can measure OD, ID, depth, and steps.
- Models available with carbide-tipped OD and ID jaws.
- Supplied in fitted plastic case.



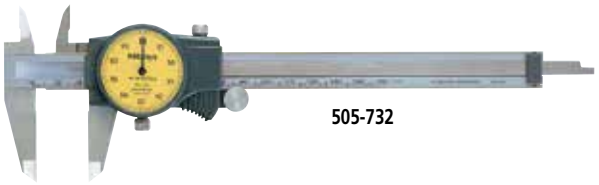
505-746



505-742



505-745



505-732



.100" per one revolution



.200" per one revolution



1mm per one revolution



2mm per one revolution

### SPECIFICATIONS

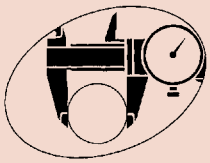
**Metric** 1mm Per One Revolution

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

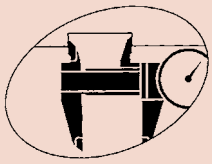
**Metric** 2mm Per One Revolution

| 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 | — |

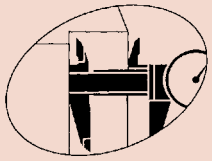
## "Quadri" (4-way) Measurement



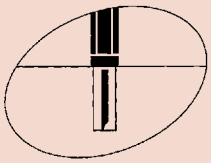
1. Outside measurement



2. Inside measurement



3. Step measurement



4. Depth measurement

## SPECIFICATIONS

**Inch** .1″ Per One Revolution

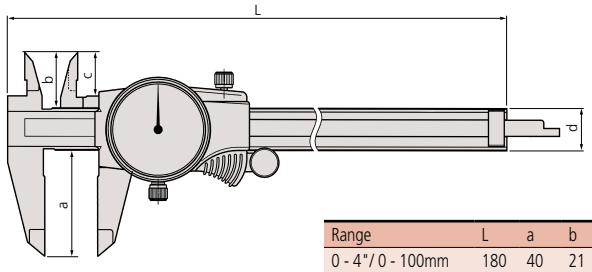
| Range | Order No. | Accuracy | Graduation | Remarks |
|---|---|---|---|---|
| 0-6″ | **505-742** | +/-.001″ | .001″ | - |
| 0-6″ | **505-742-51** | +/-.001″ | .001″ | Blue Dial Face |
| 0-6″ | **505-742-52** | +/-.001″ | .001″ | Purple Dial Face |
| 0-6″ | **505-742-53** | +/-.001″ | .001″ | Green Dial Face |
| 0-6″ | **505-745-54** | +/-.001″ | .001″ | Red Dial Face |
| 0-6″ | **505-745-55** | +/-.001″ | .001″ | Orange Dial Face |
| 0-6″ | **505-745-56** | +/-.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 One 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

Unit: mm




| Range | L | a | b | c | d | Mass (g) |
|---|---|---|---|---|---|---|
| 0 - 4"/ 0 - 100mm | 180 | 40 | 21 | 16.5 | 16 | 150 |
| 0 - 6"/ 0 - 150mm | 231 | 40 | 21 | 16.5 | 16 | 175 |
| 0 - 8"/ 0 - 200mm | 288 | 50 | 24.5 | 20 | 16 | 185 |
| 0 - 12"/ 0 - 300mm | 403 | 64 | 27.5 | 22 | 20 | 370 |

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## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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