



For more information on Precision Measuring Instruments, see page 2210.

INSIZE Mitutoyo Starrett

Digital Calipers with Blade, Nib & Pointed Jaws for Small Grooves and Recesses

- 0.005 in/0.01 mm Resolution
- SPC Output
- Stainless Steel body and jaws
- For SPC processors and accessories see page 2221

Blade-jaw calipers with laterally thin blades have carbide-tipped measuring faces for determining outside diameters. **Nib jaws** have a small, squared tip rather than a pointed jaw and are used to measure inside diameters. **Pointed jaws** have very narrow tips that are used for determining outside measurements.



Range	Accuracy	Data Output Type	Jaw Shape	Jaw Depth	Measurements	IP Rating	Brand	Item No.
Blade Jaw Digital Caliper								
0 in to 6 in, 0 to 150 mm	+/-0.0012 in	Cable	Knife Edge	1 3/4 in	4-Way	Not Rated	Insize	408P24
0 in to 6 in, 0 to 150 mm	+/-0.001 in	Cable	Knife Edge with Small Point	1 1/4 in	Inside, Outside, Step	IP67	Mitutoyo	54GE92
0 in to 8 in, 0 to 200 mm	+/-0.0012 in	Cable	Knife Edge	1 3/4 in	4-Way	Not Rated	Insize	408P25
0 in to 12 in, 0 to 300 mm	+/-0.0016 in	Cable	Knife Edge	2 3/4 in	4-Way	Not Rated	Insize	408P26
Long Range Deep Nib Jaw Digital Caliper								
0 in to 24 in, 0 to 600 mm	+/-0.002 in, +/-0.05 mm	Cable, Wireless	Nib Edge	12 in	Inside, Outside	Not Rated	Starrett	262262
Long Range Nib/Knife Edge Jaw Digital Caliper								
0 in to 20 in, 0 to 500 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	5 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ82
0 in to 24 in, 0 to 600 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	5 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ83
0 in to 32 in, 0 to 800 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	5 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ84
0 in to 39 in, 0 to 1000 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	5 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ85
Narrow Tip Jaw Digital Caliper								
0 in to 6 in, 0 to 150 mm	+/-0.001 in	Cable	Knife Edge with Small Point	1 1/4 in	Inside, Outside, Step	IP67	Mitutoyo	54GE91
Nib/Knife Edge Jaw Digital Caliper								
0 in to 8 in, 0 to 200 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	3 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ79
0 in to 10 in, 0 to 250 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	3 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ78
0 in to 10 in, 0 to 250 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	3 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ80
0 in to 12 in, 0 to 300 mm	+/-0.001 in, +/-0.02 mm	Cable, Wireless	Nib-Style (Lower Jaw)/ Knife Edge (Upper Jaw)	3 1/2 in	Inside, Outside, Step	IP67	Tesa Brown & Sharpe	54VJ81
Nib Jaw Digital Caliper								
0 in to 8 in, 0 to 200 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	3 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ71
0 in to 10 in, 0 to 250 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	3 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ72
0 in to 12 in, 0 to 300 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	3 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ73
0 in to 18 in, 0 to 450 mm	+0.002 in	Cabled	Nib-Style	3 1/4 in	Outside, Inside	IP67	Mitutoyo	39X541
0 in to 20 in, 0 to 500 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	5 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ74
0 in to 24 in, 0 to 600 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	5 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ75
0 in to 32 in, 0 to 800 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	5 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ76
0 in to 39 in, 0 to 1,000 mm	+0.001 in, +0.02 mm	Built-In Wireless	Nib-Style	5 3/4 in	Outside, Inside	IP67	Tesa Brown & Sharpe	54VJ77
Pointed Jaw Digital Caliper								
0 in to 6 in, 0 to 150 mm	+/-0.0012 in	Cable	Sharp-Point Tip	1 3/4 in	4-Way	Not Rated	Insize	408P18
Small Point Jaw Digital Caliper								
0 in to 6 in, 0 to 150 mm	+/-0.0012 in	Cable	Knife Edge with Small Point	1 1/4 in	4-Way	Not Rated	Insize	408P08

Interchangeable-Point, Outside-Point & Outside-Neck Digital Calipers

- 0.0005 in/ 0.01 mm Resolution
- SPC Output
- Steel caliper material
- Steel jaw material
- For SPC processors and accessories see page 2221

These calipers allow users to change the shape and size of jaw contact points so specialized measurements of internal and external grooves can be taken.

INSIZE Mahr Mitutoyo



Interchangeable Point 408P59



Outside Neck 408P23



Outside Point 392N55

Range	Accuracy	Data Output Type	Jaw Shape	Jaw Depth	Measurements	Brand	Item No.
Interchangeable Point Digital Caliper							
0 in to 7.5 in, 0 to 187 mm, 0.5 in to 8.5 in, 1 in to 8.8 in, 12 to 212 mm, 24 to 224 mm	+/-0.0012 in	Cable	Interchangeable-Tip	1 1/4 in	4-Way	Insize	408P59
0 in to 13.3 in, 0 to 340 mm	+/-0.0016 in	Cable	Point Edge	2 3/4 in	Outside	Insize	408N61
IP67 Rated							
0 in to 8 in, 0 to 200 mm	+0.001 in, +/-0.03 mm	Cable	Standard Jaw with Optional Interchangeable Points	1 1/2 in	4-Way	Mahr	446F19
Outside Neck Digital Caliper							
0 in to 6 in, 0 to 150 mm	+/-0.0016 in	Cable	Outside Neck	1 1/2 in	Outside	Insize	408P23
Outside Point Jaw Digital Caliper							
0 in to 6 in, 0 to 150 mm	+/-0.0016 in	Cable	Outside Neck	1 1/4 in	Outside	Insize	408P19
IP67 Rated							
0 in to 6 in, 0 to 150 mm	+/-0.0015 in	Cable	Point Edge	1 3/4 in	Inside	Mitutoyo	392N55

Dial Depth Gauges with Measuring Rods

- All models full base style

Depth gauges with a single fixed rod or plunger are for short measuring ranges, and interchangeable rods are used for deeper holes and larger ranges.

Starrett **INSIZE** Mitutoyo WESTWARD

Range	Graduations	Range per Revolution	Accuracy	No. of Measuring Rods	Contact Point Shape	Base Length	Brand	Item No.
Side Dial Position								
0 in to 0.125 in	0.0005 in	0.05 in	+/-0.001 in	1	Needle	2.5 in	Starrett	262133
	0.0005 in	0.05 in	+/-0.001 in	1	Needle	2.5 in	Starrett	22UH1
	0.0005 in	0.05 in	+/-0.001 in	1	—	2.5 in	Starrett	262132
0 in to 0.5 in	0.0005 in	0.05 in	+/-0.001 in	1	—	2.5 in	Starrett	262129 *
0 in to 1.2 in	0.001 in	0.1 in	+/-0.0012 in	1	Point, Ball	2.5 in	Insize	55VM78
0 in to 3 in	0.001 in	0.1 in	+/-0.001 in	1	Rounded	2.5 in	Starrett	22UH2
0 in to 12 in	0.001 in	0.1 in	+/-0.002 in	5	Point, Ball	2.5 in	Insize	463J22
	0.001 in	0.1 in	+/-0.002 in	5	Point, Ball	4 in	Insize	55VM79
Top Dial Position								
0 in to 8 in	0.001 in	—	+/-0.002 in	4	Ball	2.5 in	Mitutoyo	54GF75
0 in to 8.6 in	0.001 in	0.1 in	+/-0.001 in	5	Point	2.5 in	Starrett	262146
	0.001 in	0.1 in	+/-0.001 in	5	Point	4 in	Starrett	262143
0 in to 22 in	—	0.1 in	+/-0.001 in	6	Ball	4 in	Westward	4KY23 *

*Thumb Screw Lock Nut



Side Dial Position 463J22