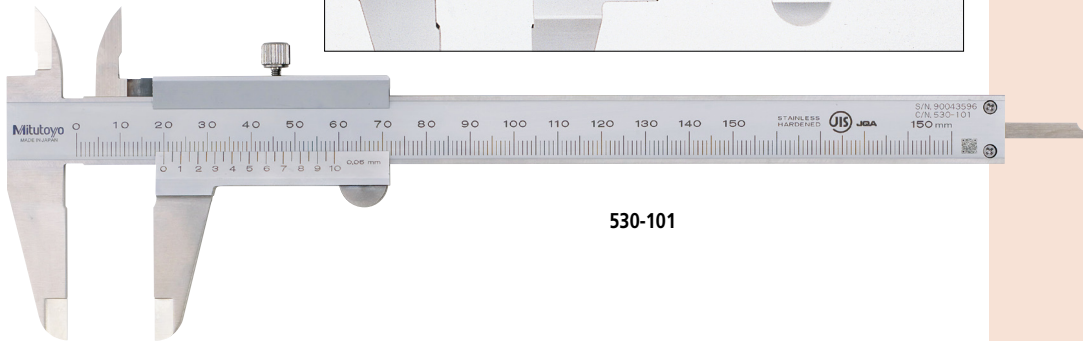
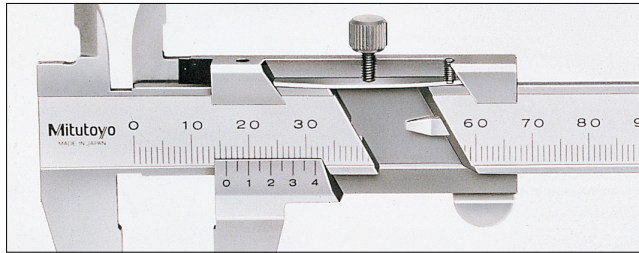
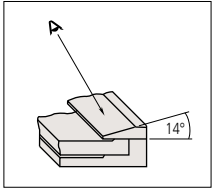


# Calipers

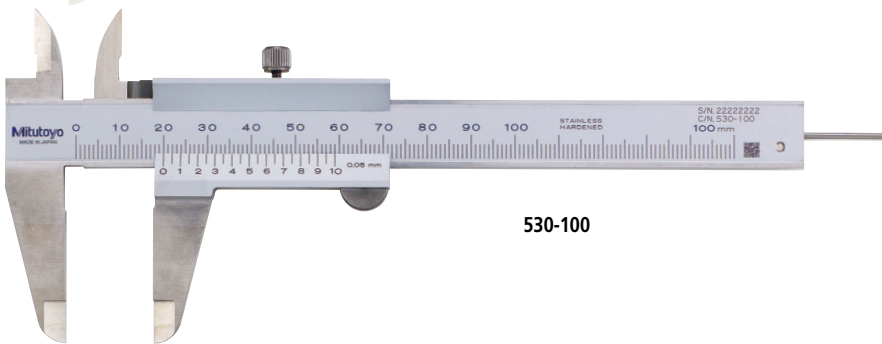
An industry standard in measuring tools

## Vernier Caliper 530 Series — Standard model

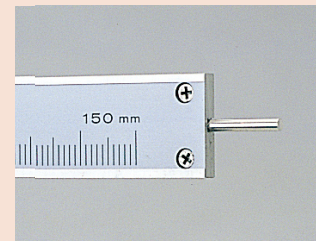
- Plain and basic design.
- Stepped graduation face prevents dust ingress between the main scale and slider.
- The small vernier face angle (14°) provides easy reading.
- Can measure outside and inside dimensions, depth, and steps.
- Carbide-tipped jaw calipers are optimal for rough finished parts, castings, grinding stones, etc.
- Decimal and fractional graduated scales (metric/inch and inch models only).



530-101



530-100



530-102 (Round depth bar type)

### DIMENSIONS

Unit: mm

Range	Outside jaw thickness
0 - 100mm	3
0 - 150mm	
0 - 200mm	
0 - 300mm	3.8
0 - 600mm	6
0 - 1000mm	8

Range	A	B	D	E	F	H	L
0 - 100mm	17	21.5	40	53.5	30	16	182
0 - 150mm	17	21.5	40	53.5	30	16	229
0 - 200mm	20.5	25	50	53.5	30	16	288
0 - 300mm	22	27.5	64	66.5	36	20	404
0 - 600mm	38	47	90	89	50	25	780
0 - 1000mm	50	60	130	111	61	32	1240

\* Code No.530-100 and No.530-102 incorporate a round depth bar (ø1.9mm).  
The depth bar shown in the illustration above is a different type.



530-320 (Carbide-tipped jaw type)

## Technical Data

Accuracy:  $\pm 0.05\text{mm}$  ( $\leq 200\text{mm}$ ),  $\pm 0.08\text{mm}$  ( $\leq 300\text{mm}$ )  
 $\pm 0.10\text{mm}$  ( $\leq 600\text{mm}$ ),  $\pm 0.15\text{mm}$  ( $\leq 1000\text{mm}$ )  
 High accuracy type:  
 $\pm 0.03\text{mm}$  ( $\leq 200\text{mm}$ ),  $\pm 0.04\text{mm}$  ( $\leq 300\text{mm}$ )  
 Graduation:  $0.05\text{mm}$ ,  $0.05\text{mm}$  ( $1/128''$ ) or  $.001''$  ( $1/128''$ )  
 High accuracy type:  
 $0.02\text{mm}$  or  $0.02\text{mm}$  ( $.001''$ )

## SPECIFICATIONS

Metric				
Order No.	Range	Depth bar	Remarks	
530-100	0 - 100mm	ø1.9mm rod	—	
530-102			—	
530-101	0 - 150mm	Blade	—	
530-320			Carbide-tipped jaws for outside measurement	
530-335			Carbide-tipped jaws for outside and inside measurement	
530-122*			High accuracy model: $\pm 0.03\text{mm}$	
530-108			—	
530-321	0 - 200mm	Blade	Carbide-tipped jaws for outside measurement	
530-123*			High accuracy model: $\pm 0.03\text{mm}$	
530-109			—	
530-322	0 - 300mm	Blade	Carbide-tipped jaws for outside measurement	
530-124*			High accuracy model: $\pm 0.04\text{mm}$	
530-501	0 - 600mm	—	—	
530-502	0 - 1000mm	—	—	

\* Graduation: 0.02mm

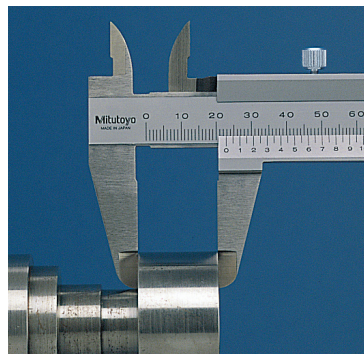
Metric/Inch with metric/inch double scale				
Order No.	Range	Depth bar	Inch graduation	Remarks
530-104	0 - 150mm	Blade	1/128"	—
530-316			1/128"	Clamping screw below the slider
530-312*			.001"	High accuracy model: $\pm 0.03\text{mm}$
530-114	0 - 200mm	Blade	1/128"	—
530-118*			.001"	High accuracy model: $\pm 0.03\text{mm}$
530-115	0 - 300mm	Blade	1/128"	—
530-119*			.001"	High accuracy model: $\pm 0.04\text{mm}$

\* Graduation: 0.02mm

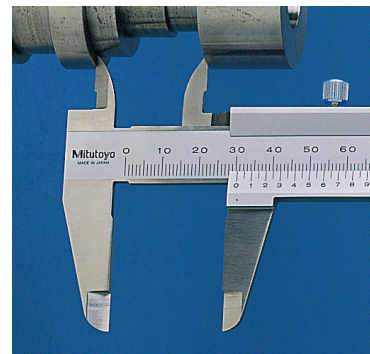
Inch with inch/inch double scale				
Order No.	Range	Depth bar	Inch graduation	Remarks
530-105	0 - 6"	Blade	1/128"	—
530-116	0 - 8"			

## Measurement Applications

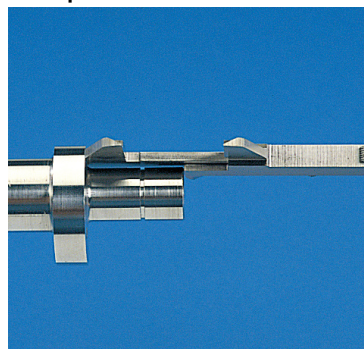
### 1. Outside measurement



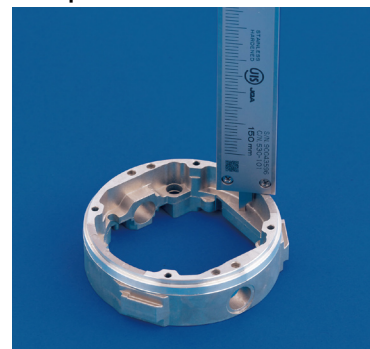
### 2. Inside measurement



### 3. Step measurement



### 4. Depth measurement



# Calipers

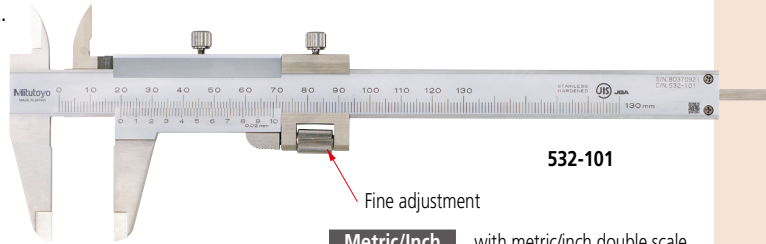
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## Vernier Caliper 532 Series — with fine adjustment

- Fine-adjustment aids slider positioning.
- Allows step measurement.

### Technical Data

Accuracy:  $\pm 0.03\text{mm}$  ( $\leq 180\text{mm}$ ),  $\pm 0.04\text{mm}$  ( $\leq 280\text{mm}$ )  
 Graduation: 0.02mm, 0.02mm (.001") or .001" (1/128")



532-101

### SPECIFICATIONS

Metric				
Order No.	Range	Depth bar	Remarks	
532-101	0 - 130mm	Blade	with fine adjustment	
532-102	0 - 180mm			
532-103	0 - 280mm			

Metric/Inch with metric/inch double scale					
Order No.	Range	Depth bar	Inch graduation	Remarks	
532-119	0 - 130mm	Blade	.001"	with fine adjustment	
532-120	0 - 180mm				
532-121	0 - 280mm				

### DIMENSIONS

Range	A	B	D	E	F	H	L
0 - 130mm/0 - 5"	17	21.5	40	53.5	31.2	16	229
0 - 180mm/0 - 7"	20.5	25	50	53.5	31.2	16	288
0 - 280mm/0 - 11"	22	27.5	64	66.5	38	20	404

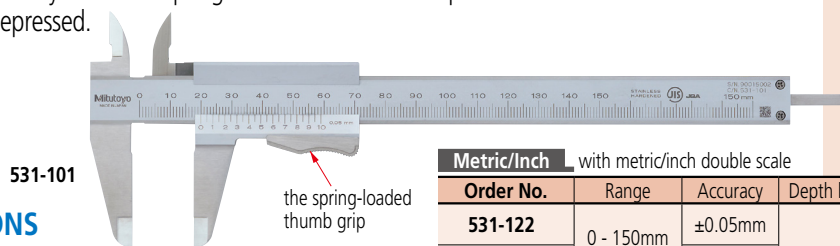
Jaw thickness: 3.5mm for 0 - 130mm/0 - 5" and 0 - 180mm/0 - 7" models  
 3.8mm for 0 - 280mm/0 - 11" model

## Vernier Caliper 531 Series — with thumb clamp

- The slider moves only when the spring-loaded thumb grip is depressed.
- Allows step measurement.

### Technical Data

Accuracy: Refer to the list of specifications.  
 Graduation: 0.05mm, 0.05mm (1/128") or .001" (1/128")  
 High accuracy type:  
 0.02mm or 0.02mm (.001")



531-101

### SPECIFICATIONS

Metric				
Order No.	Range	Accuracy	Depth bar	Remarks
531-101	0 - 150mm	$\pm 0.05\text{mm}$	Blade	—
531-102	0 - 200mm			
531-103	0 - 300mm			

\* Graduation: 0.02mm

Metric/Inch with metric/inch double scale					
Order No.	Range	Accuracy	Depth bar	Inch graduation	Remarks
531-122	0 - 150mm	$\pm 0.05\text{mm}$	Blade	1/128"	with inch/mm conversion label
531-128*		$\pm 0.03\text{mm}$		.001"	High accuracy model
531-108	0 - 200mm	$\pm 0.05\text{mm}$		1/128"	—
531-129*		$\pm 0.03\text{mm}$		.001"	High accuracy model
531-109	0 - 300mm	$\pm 0.08\text{mm}$		1/128"	—
531-112*		$\pm 0.04\text{mm}$		.001"	High accuracy model

\* Graduation: 0.02mm

### DIMENSIONS

Range	A	B	D	H	L
0 - 150mm/0 - 6"	17	21.5	40	16	229
0 - 200mm/0 - 8"	20.5	25	50	16	288
0 - 300mm/0 - 12"	22	27.5	64	20	404

Jaw thickness: 3.5mm for 0 - 150mm/0 - 6" and 0 - 200mm/0 - 8" models  
 3.8mm for 0 - 300mm/0 - 12" model

\*( ): Dimension in 0 - 300mm/0 - 12" model