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Digimatic Caliper



Digimatic Height Gages



Linear Height



Depth Gages



New Products



SuperCaliper



ABSOLUTE Coolant Proof Caliper



ABSOLUTE Digimatic Caliper



ABSOLUTE Digimatic Offset Caliper



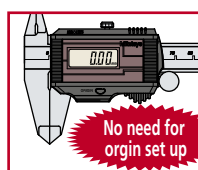
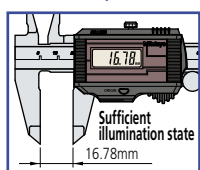
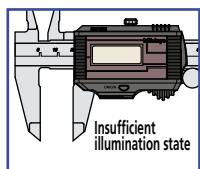
ABSOLUTE Digital Height Gage

SuperCaliper

SERIES 500 — No battery or origin reset needed for IP67 digital caliper

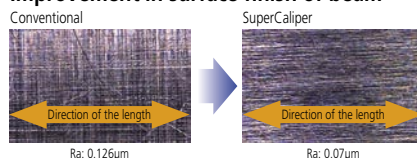
FEATURES

- With no annoying origin restoration necessary, a measurement can be started any time and there is no restriction on operating speed.



- World's unique* solar-powered SuperCaliper that is eco-friendly with no battery
*According to Mitutoyo research in January, 2005
- The impact resistance of the display unit has been increased for improved usability in workshop conditions.
- IP67 protection assures waterproof reliability.
- This SuperCaliper uses components that do not contain harmful substances and is compatible with RoHS Directives.

Improvement in surface finish of beam

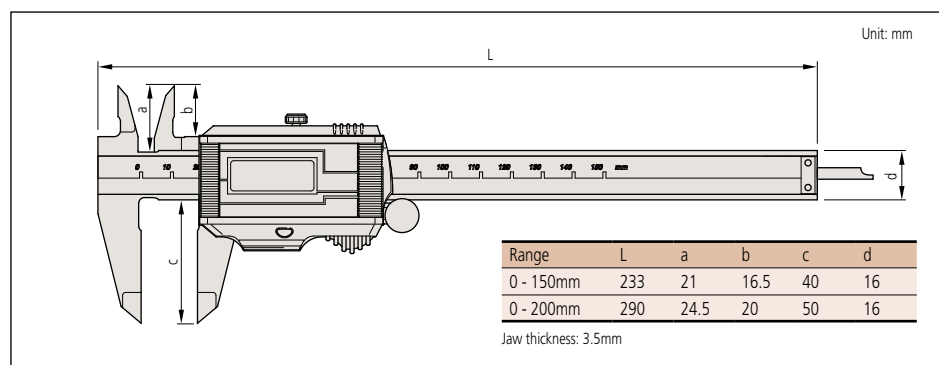


SPECIFICATIONS

Metric		
Range	Order No.	Remarks
0 - 150mm	500-776	with data output
0 - 150mm	500-774	w/o data output
0 - 200mm	500-777	with data output
0 - 200mm	500-775	w/o data output

Inch/Metric		
Range	Order No.	Remarks
0 - 6"	500-786	with data output
0 - 6"	500-784	w/o data output
0 - 8"	500-787	with data output
0 - 8"	500-785	w/o data output

DIMENSION



(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: $\pm 0.02\text{mm}$ (excluding quantizing error)
 Resolution: 0.01mm or $.0005"/0.01\text{mm}$
 Repeatability: 0.01mm
 Display: LCD
 Length standard: ABSOLUTE electromagnetic induction linear encoder
 Max. response speed: Unlimited
 Battery: Solar battery*
 Dust/Water protection level: IP67
 *Can be used continuously above 60lux ambient illumination.

Function

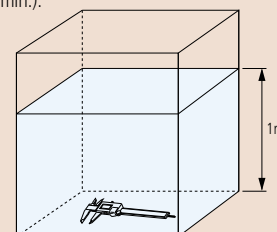
Origin-set, inch/mm conversion (inch/mm models)
 Alarm: Counting value composition error

Optional Accessory

05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)

IP67 protection level

Level 6: Dust-tight
 No ingress of dust.
 Level 7: Protected against the effects of temporary immersion in water.
 Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed 1 meter in water under standardized conditions of pressure and time (30 min.).



About the charge function (SuperCaliper)

The minimum illumination required in the uncharged state is 60lux. As shown in the table 'JIS Z 9110 Artificial Illumination Intensity Standard', this SuperCaliper can be used without problems in a normal work environment.

The charge function allows the operator to use this SuperCaliper without interrupting work even if the ambient illumination is temporarily insufficient.

- In the fully charged state this SuperCaliper can operate for approximately an hour in an environment of 50lux illumination (less than the minimum necessary illumination intensity).
- The time necessary for full charge differs, depending on the charging conditions. If this SuperCaliper is left unused in an illumination of 500 lux (usual for manufacturing environments), it takes approximately one hour to reach full charge.



ABSOLUTE®

Absolute System Patented by MITUTOYO

(Refer to the page 9 for details.)

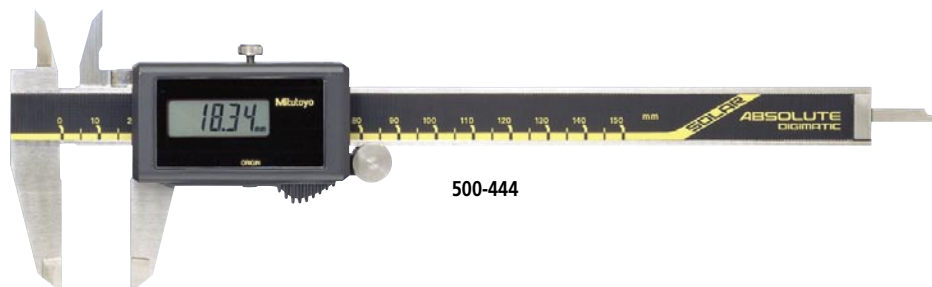
ABSOLUTE Solar Caliper

SERIES 500 — No battery or origin reset needed

Mitutoyo's Absolute Solar Digimatic Caliper retains its origin point even the display turns off for the entire life of the caliper. At 60 Lux and up the ABSOLUTE solar caliper is turned on ready to start measurement.

FEATURES

- No more repeated zero setting caused by the shortage of light intensity.
- Hard-coated solar panel for safe operation.
- No fear for overspeed errors.



500-444

Technical Data

Accuracy: $\pm 0.02\text{mm}$ (excluding quantizing error)

Resolution: 0.01mm or $.0005"/0.01\text{mm}$

Repeatability: 0.01mm

Display: LCD

Length standard: ABSOLUTE electrostatic capacitance type linear encoder

Max. response speed: Unlimited

Battery: Solar battery*

*Can be used continuously above 60lux ambient illumination.

Function

Origin-set, Data hold, Data output, inch/mm conversion (inch/mm models)

Alarm: Counting value composition error

Optional Accessory

959143: Data hold unit

959149: SPC cable with data switch (1m)

959150: SPC cable with data switch (2m)

SPECIFICATIONS

Metric

Range	Order No.	Remarks (depth measuring bar / thumb roller)	
0 - 100mm	500-443	$\varnothing 1.9\text{mm}$ rod	with thumb roller
0 - 100mm	500-453*	$\varnothing 1.9\text{mm}$ rod	with thumb roller
0 - 150mm	500-444	Blade	with thumb roller
0 - 150mm	500-454*	Blade	with thumb roller
0 - 200mm	500-445	Blade	with thumb roller
0 - 200mm	500-455*	Blade	with thumb roller

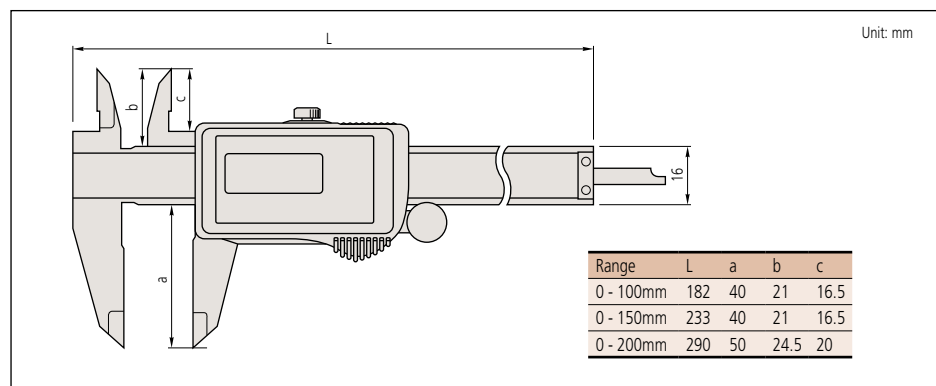
*without SPC data output

Inch/Metric

Range	Order No.	Remarks (depth measuring bar / thumb roller)	
0 - 4"	500-463	$\varnothing 3/40"$ rod	with thumb roller
0 - 4"	500-473*	$\varnothing 3/40"$ rod	with thumb roller
0 - 6"	500-464	Blade	with thumb roller
0 - 6"	500-474*	Blade	with thumb roller
0 - 8"	500-465	Blade	with thumb roller
0 - 8"	500-475*	Blade	with thumb roller

*without SPC data output

DIMENSION



Unit: mm

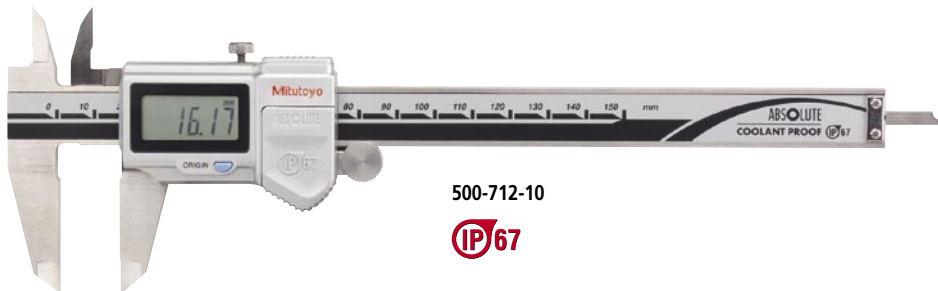
Range	L	a	b	c
0 - 100mm	182	40	21	16.5
0 - 150mm	233	40	21	16.5
0 - 200mm	290	50	24.5	20

ABSOLUTE Coolant Proof Caliper

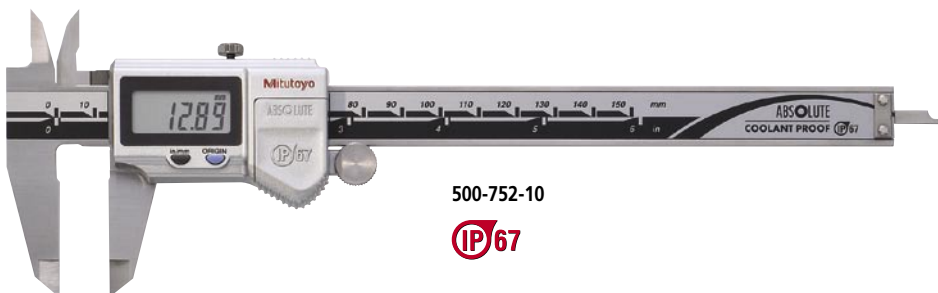
SERIES 500 — with Dust/Water Protection Conforming to IP67 Level

FEATURES

- Can be used in workshop conditions exposed to coolant, water, dust or oil.
- Easy to use - no need to wipe or clean the scale.
- Advanced design styling.
- Incorporates absolute measurement system.
- Automatic power-on/off.
- Data output function.



500-712-10



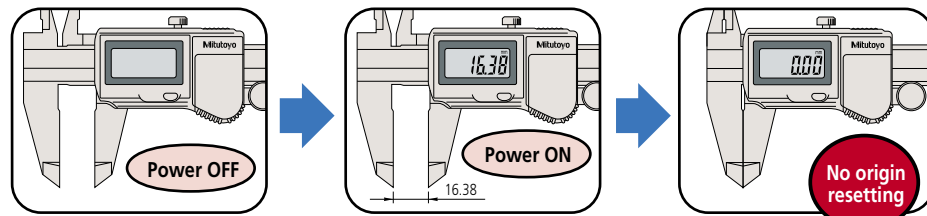
500-752-10



500-763-10



Built-in ABS (absolute) scale means that these calipers are ready to use immediately after power-on without origin resetting. It's as easy as vernier caliper measurements.

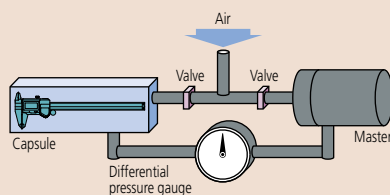


Certificate of inspection

CERTIFICATE OF INSPECTION / CERTIFICAT DE CONTROLE		Inspection result/Résultats		(GB/JP)	
Product name/Désignation		Digital Caliper/Echelle Numérique		Measuring length/Permissible values	
Model No./Modèle	CO-157B	Position de mesure	Erreur admissible	Instrumental error/Erreur d'instrument	Interférence
Code No./Référence	500-452	0	+0.01	---	-0.01
Serial No./No. de série	03415811	50	-0.03	---	---
Measuring length/Capacité de mesure	0-150mm	0	0.00	0.00	0.01
Minimum indication/Résolution	0.01mm	50	0.00	-0.01	0.00
Standard Temperature /	20°C	100	±0.02	-0.01	0.00
Temperature de Référence		150	---	---	---
QC Manager/Responsable Qualité Contrôle	<i>y. joshi</i>	200	---	---	---
		250	±0.18	-0.005	---
		300	-0.019	-0.019	---
		350	---	---	---
		400	---	---	---
		450	---	---	---
		500	---	---	---
		550	---	---	---
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		700	---	---	---
		750	---	---	---
		800	---	---	---
		850	---	---	---
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		16450	---	---	---

Air leakage detection system used for water-proof testing

Generally, air leakage tests are performed to evaluate water resistance. Testing begins by placing a measuring tool into the capsule. Next, air with equivalent pressure is supplied to the capsule and the master, then the valves are closed. If none of the air in the capsule seeps into the measuring tool, the capsule's air pressure will remain equal to that in the master, and the differential pressure gauge will continue to point to the center. However, if some air does seep into the measuring tool, it will create an air pressure difference in the amount indicated by the differential pressure gauge. Thus, detection of air pressure differences is used as a criterion for judging leakage. Every single unit of the ABS Coolant Proof calipers and Coolant Proof micrometer is tested this way for air leakage to help ensure product quality.



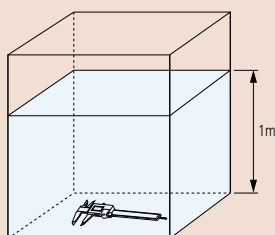
IP66 protection level

- Level 6: Dust-tight
No ingress of dust.
Protected against powerful water jet.
Water projected in powerful jets* against the enclosure from any direction shall have no harmful effects.
*Size of direct jets: uses 12.5 mm (inner diameter) nozzle emitting a 100 kPa jet of water at 100 liters per minute for at least 3 minutes from a distance of approx. 3 meters.



IP67 protection level

- Level 6: Dust-tight
No ingress of dust.
Level 7: Protected against the effects of temporary immersion in water.
Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed 1 meter in water under standardized conditions of pressure and time (30 min.).



SPECIFICATIONS

Metric				
Range	Order No.	Remarks (depth measuring bar / thumb roller / others)		
0 - 150mm	500-702-10*	Blade	with thumb roller	—
0 - 150mm	500-712-10	Blade	with thumb roller	—
0 - 150mm	500-706-11*	Blade	—	—
0 - 150mm	500-716-11	Blade	—	—
0 - 150mm	500-709-11*	ø1.9mm rod	—	—
0 - 150mm	500-719-10	ø1.9mm rod	with thumb roller	—
0 - 150mm	500-721-10	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 150mm	500-723-10	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 150mm	500-727-11	Blade	—	Carbide-tipped jaws for OD & ID measurement
0 - 200mm	500-703-10*	Blade	with thumb roller	—
0 - 200mm	500-713-10	Blade	with thumb roller	—
0 - 200mm	500-707-11*	Blade	—	—
0 - 200mm	500-717-11	Blade	—	—
0 - 200mm	500-722-10	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 200mm	500-724-10	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 200mm	500-728-11	—	—	Carbide-tipped jaws for OD & ID measurement
0 - 300mm	500-714-10	—	with thumb roller	—
0 - 300mm	500-718-11	—	—	—
0 - 300mm	500-704-10*	—	with thumb roller	—
0 - 300mm	500-708-11*	—	—	—

*without SPC data output

Inch/Metric				
Range	Order No.	Remarks (depth measuring bar / thumb roller / others)		
0 - 6"	500-752-10*	Blade	with thumb roller	—
0 - 6"	500-762-10	Blade	with thumb roller	—
0 - 6"	500-768-10*	ø3/40" rod	with thumb roller	—
0 - 6"	500-769-10	ø3/40" rod	with thumb roller	—
0 - 6"	500-731-10*	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 6"	500-735-10	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 6"	500-733-10*	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 6"	500-737-10	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 8"	500-753-10*	Blade	with thumb roller	—
0 - 8"	500-763-10	Blade	with thumb roller	—
0 - 8"	500-732-10*	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 8"	500-736-10	Blade	with thumb roller	Carbide-tipped jaws for ID measurement
0 - 8"	500-734-10*	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 8"	500-738-10	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 12"	500-764-10	—	with thumb roller	—
0 - 12"	500-754-10*	—	with thumb roller	—

*without SPC data output

DIMENSION

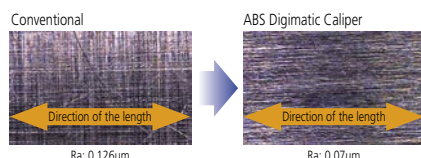
Unit: mm					
Range	L	a	b	c	e
0 - 150mm	233	40	21	16.5	16
0 - 200mm	290	50	24.5	20	16
0 - 300mm	404	64	27.5	22	20

ABSOLUTE Digimatic Caliper

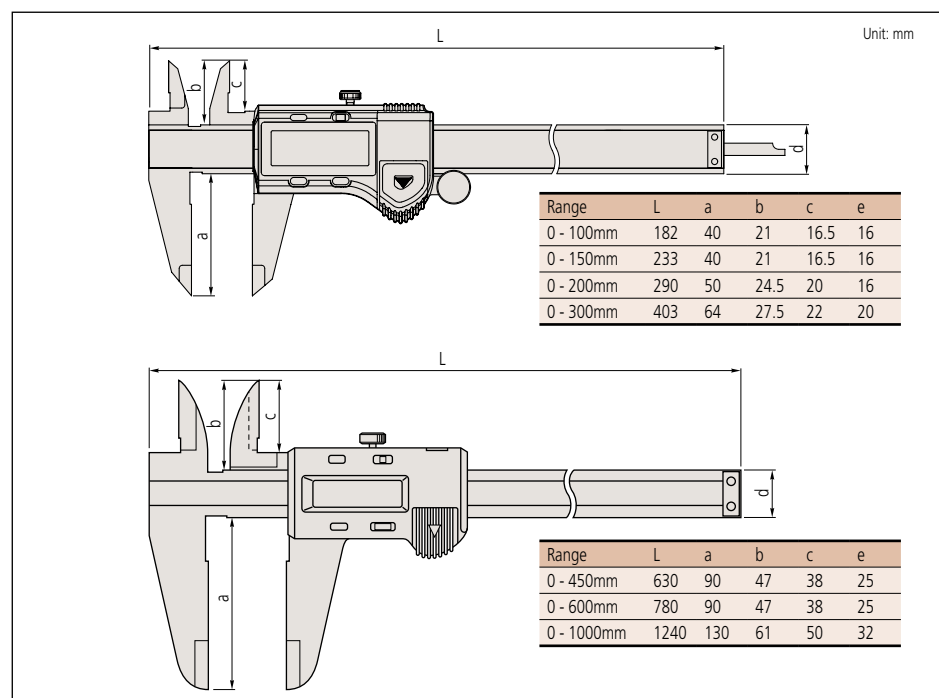
SERIES 500 — with Exclusive ABSOLUTE Encoder Technology

Mitutoyo's absolute Digimatic Caliper is the next generation of electronic calipers. It keeps track of its origin point once set. Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement. No more repeated zero setting is necessary with the absolute encoder technology as well as no more care for overspeed errors.

High quality guide surface finish for smooth slider movement



DIMENSION



FEATURES

- Large and clear LCD readout.
- The ZERO/ABS key allows the display to be Zero-Set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (usually jaws-closed point).
- Data Hold Unit (959143) is optional.
- Carbide-tipped jaw type calipers are also available.

SPC

ABSOLUTE®
Absolute System Patented by MITUTOYO

(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: $\pm 0.02\text{mm}$ ($\leq 200\text{mm}$), $\pm 0.03\text{mm}$ ($\leq 300\text{mm}$)
 $\pm 0.05\text{mm}$ ($\leq 600\text{mm}$), $\pm 0.07\text{mm}$ ($\leq 1000\text{mm}$)
(excluding quantizing error)
Resolution: 0.01mm or .0005"/0.01mm
Repeatability: 0.01mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 3.5 years under normal use

Function

Origin-set, Zero-setting, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

- 959143:** Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)

959143



959149

SPECIFICATIONS

Metric

Range	Order No.	Remarks (depth measuring bar / thumb roller / others)		
0 - 100mm	500-150-20	ø1.9mm rod	with thumb roller	—
0 - 100mm	500-180-20*	ø1.9mm rod	—	—
0 - 150mm	500-151-20	Blade	with thumb roller	—
0 - 150mm	500-154-20	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 150mm	500-155-20	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 150mm	500-158-20	ø1.9mm rod	with thumb roller	—
0 - 150mm	500-181-20*	Blade	—	—
0 - 200mm	500-152-20	Blade	with thumb roller	—
0 - 200mm	500-156-20	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 200mm	500-157-20	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 200mm	500-182-20*	Blade	—	—
0 - 300mm	500-153	Blade	with thumb roller	—
0 - 450mm	500-500-10	—	—	—
0 - 600mm	500-501-10	—	—	—
0 - 1000mm	500-502-10	—	—	—

*without SPC data output

Inch/Metric

Range	Order No.	Remarks (depth measuring bar / thumb roller / others)		
0 - 4"	500-170-20	ø3/40" rod	with thumb roller	—
0 - 4"	500-195-20*	ø3/40" rod	with thumb roller	—
0 - 6"	500-171-20	Blade	with thumb roller	—
0 - 6"	500-174-20	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 6"	500-175-20	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 6"	500-178-20	ø3/40" rod	with thumb roller	—
0 - 6"	500-196-20*	Blade	with thumb roller	—
0 - 6"	500-159-20*	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 6"	500-160-20*	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 8"	500-172-20	Blade	with thumb roller	—
0 - 8"	500-176-20	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 8"	500-177-20	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 8"	500-197-20*	Blade	with thumb roller	—
0 - 8"	500-163-20*	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 8"	500-164-20*	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 12"	500-173	Blade	with thumb roller	—
0 - 12"	500-167	Blade	with thumb roller	Carbide-tipped jaws for OD measurement
0 - 12"	500-168	Blade	with thumb roller	Carbide-tipped jaws for OD & ID measurement
0 - 12"	500-193*	Blade	with thumb roller	—
0 - 12"	500-165*	Blade	—	Carbide-tipped jaws for OD measurement
0 - 12"	500-166*	Blade	—	Carbide-tipped jaws for OD & ID measurement
0 - 18"	500-505-10	—	with thumb roller	—
0 - 24"	500-506-10	—	with thumb roller	—
0 - 40"	500-507-10	—	with thumb roller	—

*without SPC data output

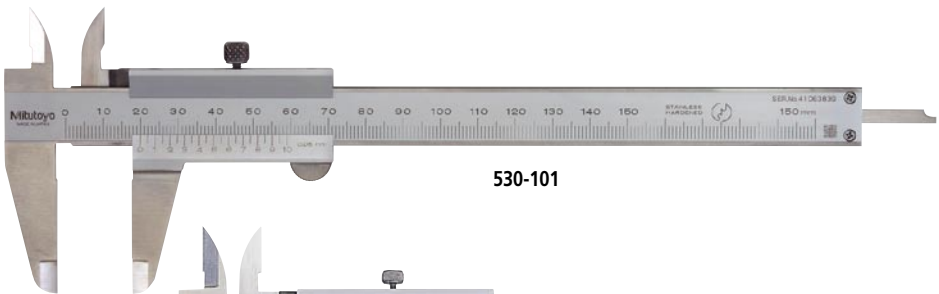
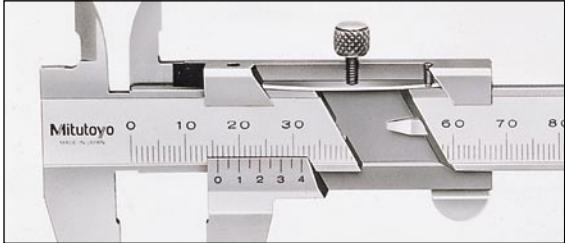
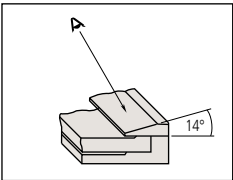


Vernier Caliper

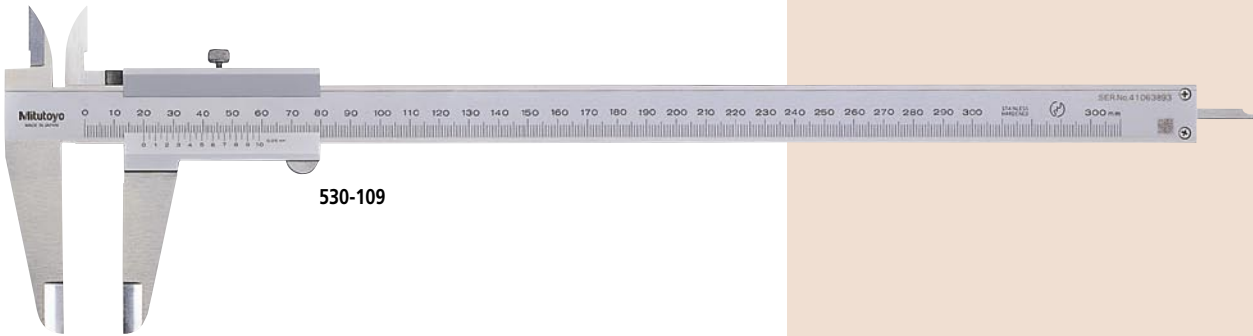
SERIES 530 — Standard model

FEATURES

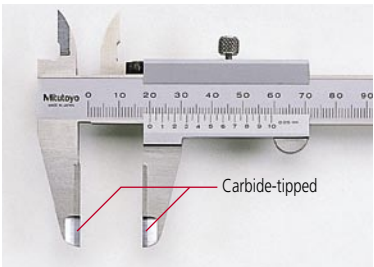
- Plain and basic design.
- Can measure OD (outside diameter), ID (inside diameter), depth, and steps.
- The small vernier face angle (14°) provides easy reading.
- Different reading scales on vernier. (metric/inch and inch models only)
- Clamping screw atop the slider.
- Carbide-tipped jaw type calipers are also available.



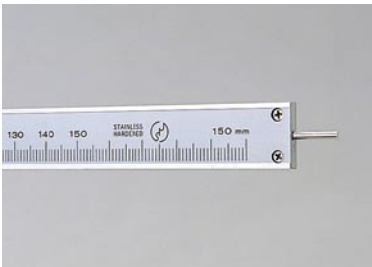
530-101



530-109



Carbide-tipped jaw type

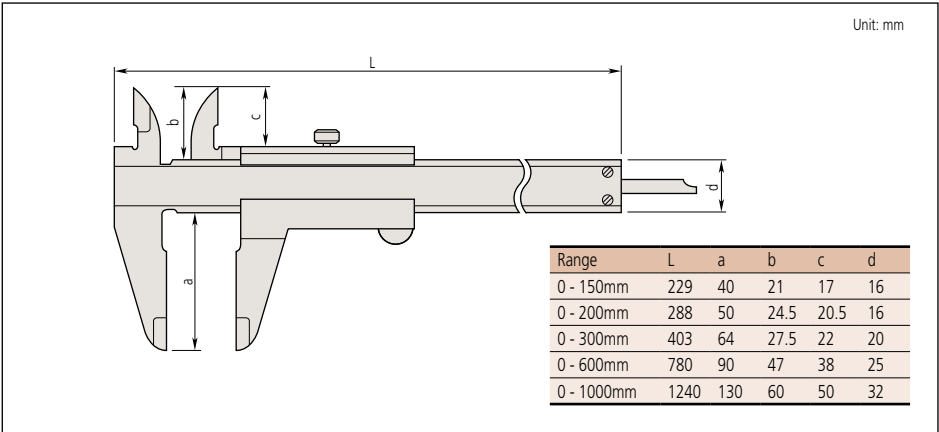


Round depth bar type

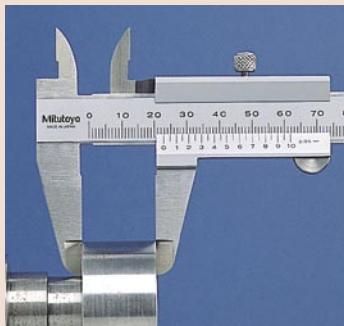
Technical Data

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: 0.05mm , 0.05mm (1/128") or $.001"$ (1/128")
High accuracy type:
 0.02mm or 0.02mm (.001")

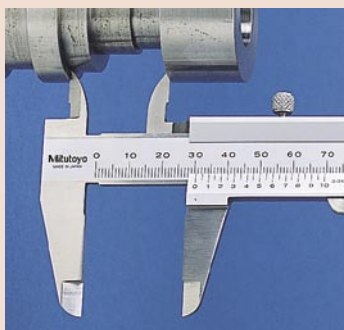
DIMENSION



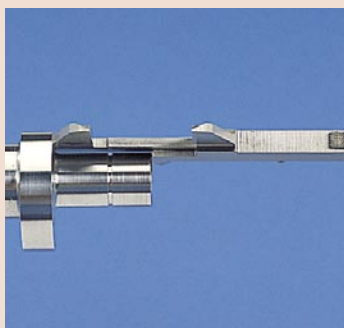
Measurement Applications



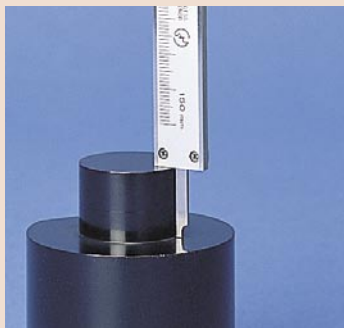
OD measurement



ID measurement



Step measurement



Depth measurement

SPECIFICATIONS

Metric

Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 150mm	530-102	ø1.9mm rod	—	—
0 - 150mm	530-101	Blade	—	—
0 - 150mm	530-320	Blade	—	Carbide-tipped jaws for OD measurement
0 - 150mm	530-335	Blade	—	Carbide-tipped jaws for OD & ID measurement
0 - 150mm	530-319	Blade	—	Clamping screw below the slider
0 - 150mm	530-122*	Blade	—	High accuracy model: ±0.03mm
0 - 200mm	530-108	Blade	—	—
0 - 200mm	530-321	Blade	—	Carbide-tipped jaws for OD measurement
0 - 200mm	530-123*	Blade	—	High accuracy model: ±0.03mm
0 - 300mm	530-109	Blade	—	—
0 - 300mm	530-322	Blade	—	Carbide-tipped jaws for OD measurement
0 - 300mm	530-124*	Blade	—	High accuracy model: ±0.04mm
0 - 600mm	530-501	—	—	—
0 - 1000mm	530-502	—	—	—

*Graduation: 0.02mm

Metric/Inch

with metric/inch double scale

Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 150mm	530-104	Blade	1/128"	—
0 - 150mm	530-316	Blade	1/128"	Clamping screw below the slider
0 - 150mm	530-125	Blade	1/128"	—
0 - 150mm	530-312*	Blade	.001"	High accuracy model: ±0.03mm
0 - 200mm	530-114	Blade	1/128"	—
0 - 200mm	530-118*	Blade	.001"	High accuracy model: ±0.03mm
0 - 300mm	530-115	Blade	1/128"	—
0 - 300mm	530-119*	Blade	.001"	High accuracy model: ±0.04mm

*Graduation: 0.02mm

Inch

with inch/inch double scale

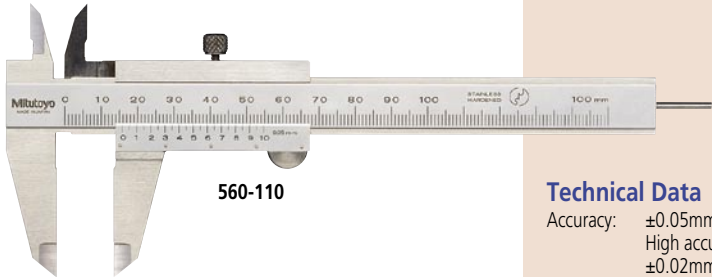
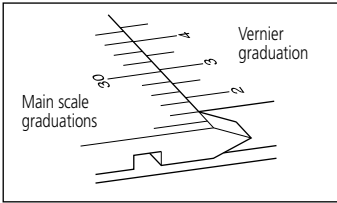
Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 6"	530-105	Blade	1/128"	—
0 - 6"	530-314	Blade	1/128"	Carbide-tipped jaws for OD measurement
0 - 8"	530-116	Blade	1/128"	—

Vernier Caliper

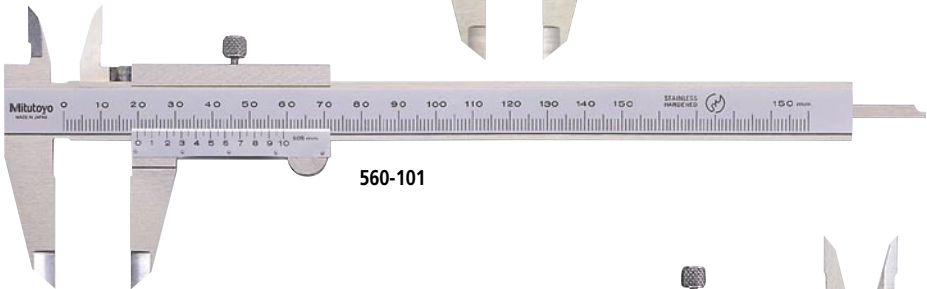
SERIES 560, 536 — Parellex-Free Type

FEATURES

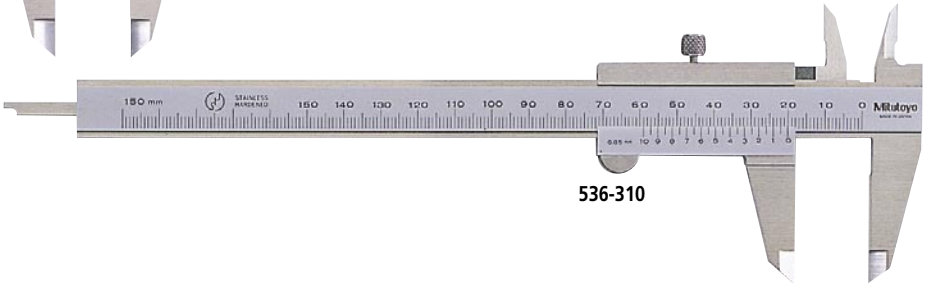
- Parallax-free vernier scales for easy and positive measurement.
- Can measure OD, ID, depth, and steps.
- With clamping screw atop the slider.
- Special model (Series 536) is also available designed for left-handers.



560-110



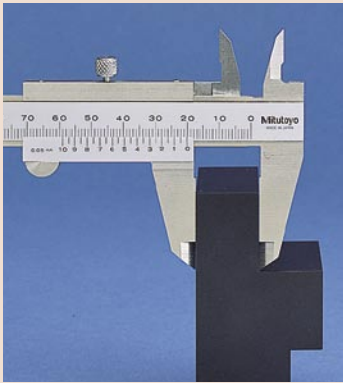
560-101



536-310

Technical Data

Accuracy: $\pm 0.05\text{mm}$ ($\leq 200\text{mm}$), $\pm 0.08\text{mm}$ ($\leq 300\text{mm}$)
High accuracy type:
 $\pm 0.02\text{mm}$ ($\leq 150\text{mm}$), $\pm 0.03\text{mm}$ ($\leq 200\text{mm}$)
Graduation: 0.05mm or 0.05mm ($1/128''$)
High accuracy type:
 0.02mm or 0.02mm ($.001''$)



SPECIFICATIONS

Metric				
Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 100mm	560-110	$\varnothing 1.9\text{mm}$ rod	—	—
0 - 150mm	560-101	Blade	—	—
0 - 150mm	536-310	Blade	—	Left-handed type
0 - 150mm	560-122*	Blade	—	High accuracy model: $\pm 0.03\text{mm}$
0 - 200mm	560-108	Blade	—	—
0 - 300mm	560-109	Blade	—	—

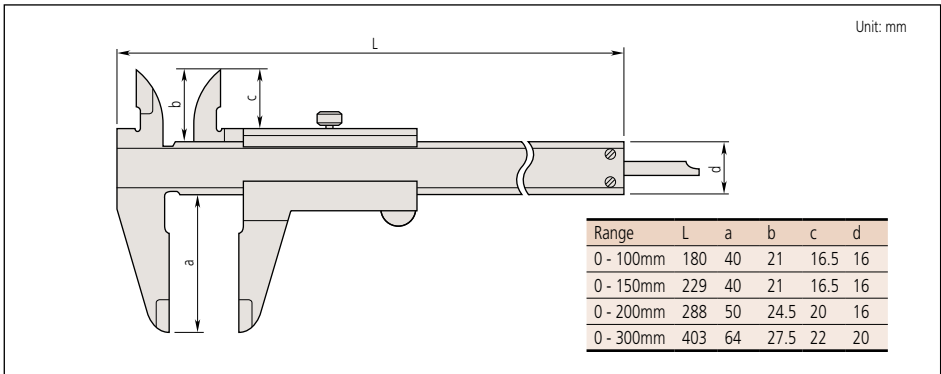
*Graduation: 0.02mm

Metric/Inch with metric/inch double scale

Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 100mm	560-104	Blade	$1/128''$	—
0 - 200mm	560-118*	Blade	$.001''$	High accuracy model: $\pm 0.03\text{mm}$

*Graduation: 0.02mm

DIMENSION

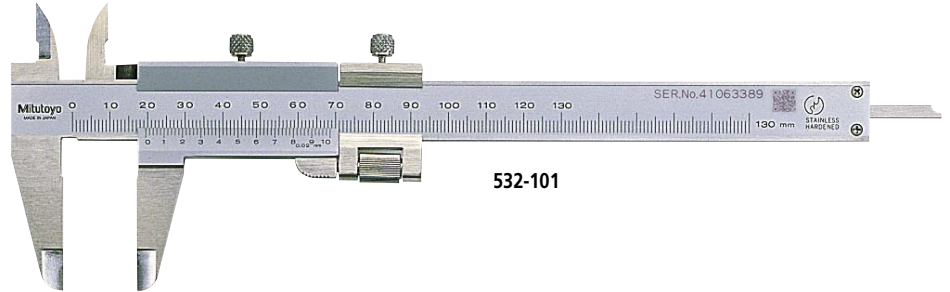


Vernier Caliper

SERIES 532 — with Fine Adjustment

FEATURES

- Provided with a fine-adjustment carriage to feed the slider finely.
- Can measure OD, ID, depth, and steps.



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")

SPECIFICATIONS

Metric

Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 130mm	532-101	Blade	—	with fine adjustment carriage
0 - 180mm	532-102	Blade	—	with fine adjustment carriage
0 - 280mm	532-103	Blade	—	with fine adjustment carriage

Metric/Inch

with metric/inch double scale

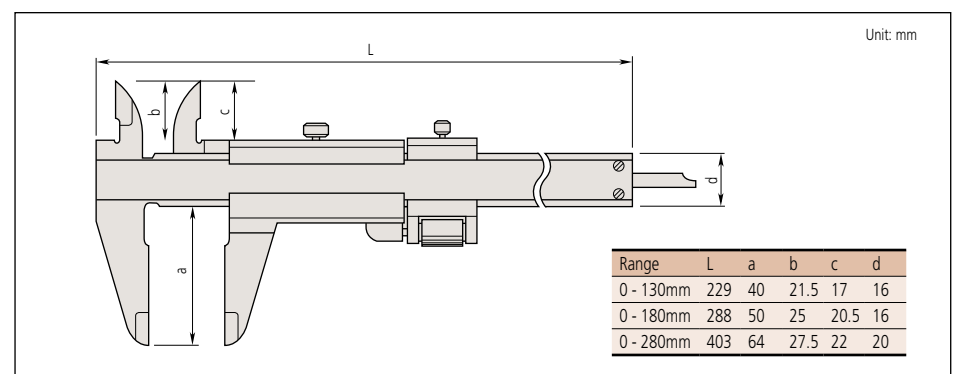
Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 130mm	532-119	Blade	.001"	with fine adjustment carriage
0 - 180mm	532-120	Blade	.001"	with fine adjustment carriage
0 - 280mm	532-121	Blade	.001"	with fine adjustment carriage

Inch

with inch/inch double scale

Range	Order No.	Remarks (depth measuring bar / second scale graduation / others)		
0 - 5"	532-104	Blade	1/128"	with fine adjustment carriage
0 - 7"	532-105	Blade	1/128"	with fine adjustment carriage
0 - 11"	532-106	Blade	1/128"	with fine adjustment carriage

DIMENSION

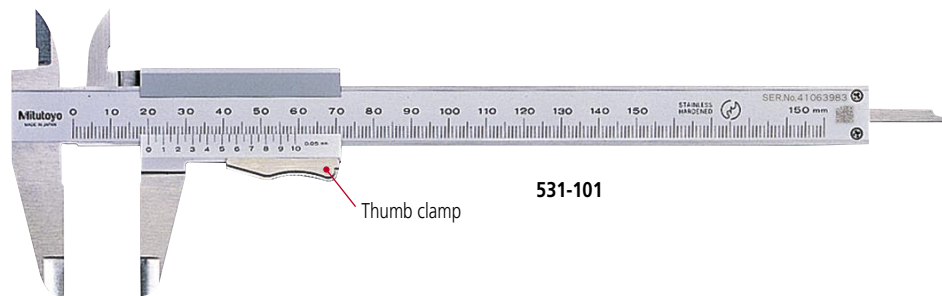


Vernier Caliper

SERIES 531 — with Thumb Clamp

FEATURES

- The slider moves only when the spindle loaded thumb clamp is depressed.
- Can measure OD, ID, depth, and steps.



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")

SPECIFICATIONS

Metric					
Range	Order No.	Accuracy	Remarks (depth measuring bar / Second scale graduation / Others)		
0 - 150mm	531-101	±0.05mm	Blade	—	—
0 - 150mm	531-140*	±0.03mm	Blade	—	High accuracy model
0 - 200mm	531-102	±0.05mm	Blade	—	—
0 - 200mm	531-141*	±0.03mm	Blade	—	High accuracy model
0 - 300mm	531-103	±0.08mm	Blade	—	—
0 - 300mm	531-142*	±0.04mm	Blade	—	High accuracy model

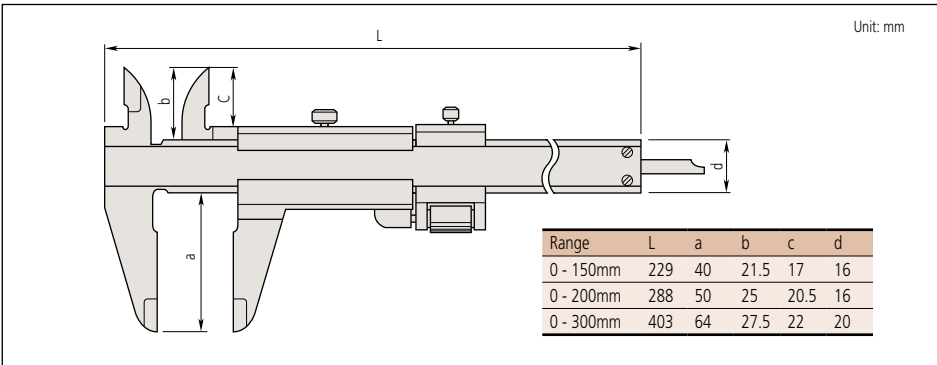
*Graduation: 0.02mm

Metric/Inch with metric/inch double scale					
Range	Order No.	Accuracy	Remarks (depth measuring bar / Second scale graduation / Others)		
0 - 150mm	531-107	±0.05mm	Blade	1/128"	—
0 - 150mm	531-122	±0.05mm	Blade	1/128"	with inch/mm conversion label
0 - 150mm	531-128*	±0.03mm	Blade	.001"	High accuracy model
0 - 200mm	531-108	±0.05mm	Blade	1/128"	—
0 - 200mm	531-129*	±0.03mm	Blade	.001"	High accuracy model
0 - 300mm	531-109	±0.08mm	Blade	1/128"	—
0 - 300mm	531-112*	±0.04mm	Blade	.001"	High accuracy model

*Graduation: 0.02mm

inch with inch/inch double scale					
Range	Order No.	Accuracy	Remarks (depth measuring bar / Second scale graduation / Others)		
0 - 6"	531-113	±.0015"	Blade	1/128"	—
0 - 8"	531-114	±.0015"	Blade	1/128"	—

DIMENSION

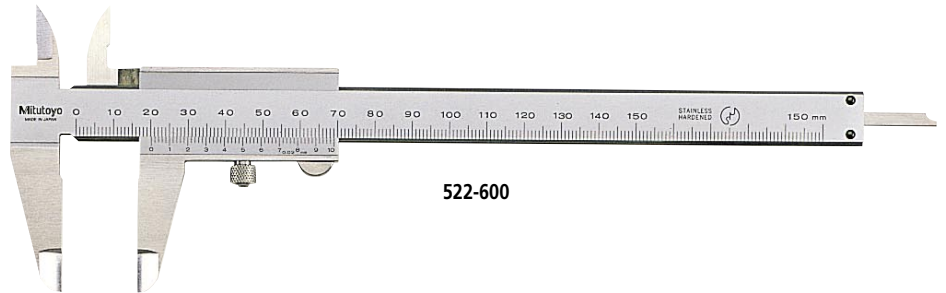
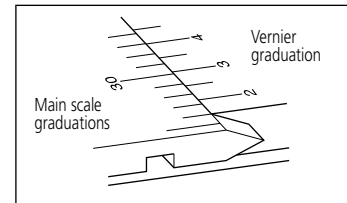


Vernier Caliper

SERIES 522 — Parallax-Free Type

FEATURES

- The main and vernier scales are flush-fitted to eliminate parallax errors because of the diamond-shape (octagonal) cross section of the main scale.
- Can measure OD, ID, depth, and steps.
- With clamping screw below the slider.



522-600

Technical Data

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

SPECIFICATIONS

Metric

Range	Order No.	Accuracy	Remarks (depth measuring bar / Second scale graduation / Others)		
0 - 150mm	522-600	±0.05mm	Blade	—	—
0 - 150mm	522-606*	±0.03mm	Blade	—	High accuracy model

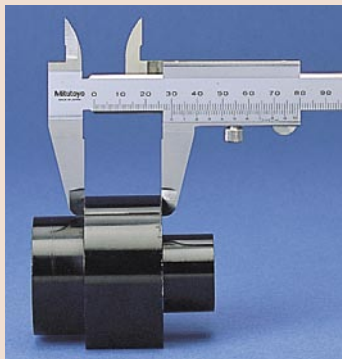
*Graduation: 0.02mm

Metric/Inch

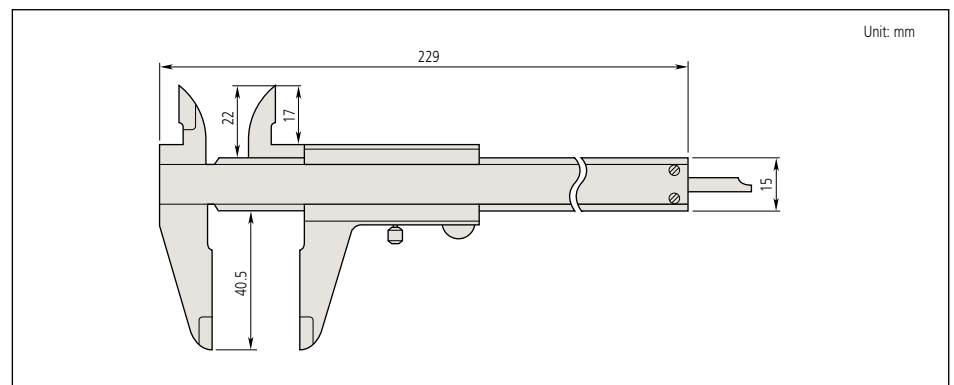
with metric/inch double scale

Range	Order No.	Accuracy	Remarks (depth measuring bar / Second scale graduation / Others)		
0 - 150mm	522-601	±0.05mm	Blade	1/128"	—
0 - 150mm	522-602*	±0.03mm	Blade	.001"	High accuracy model

*Graduation: 0.02mm



DIMENSION

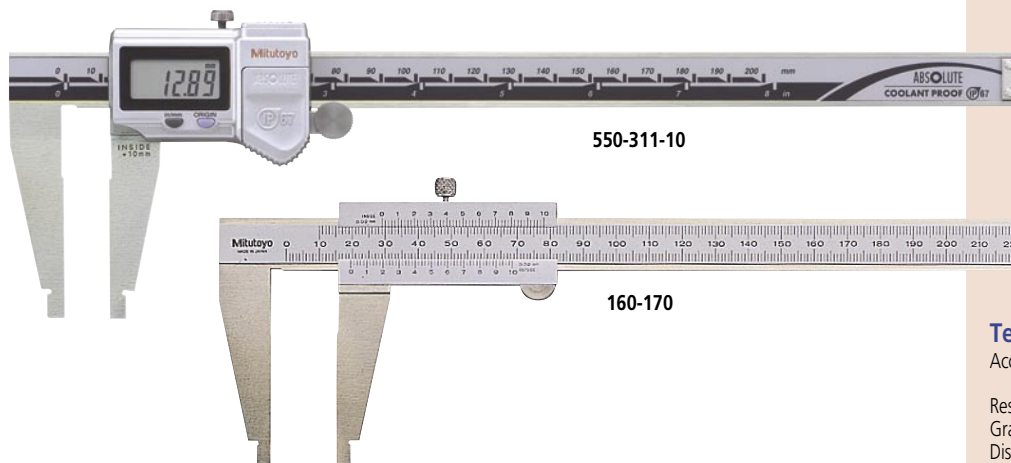
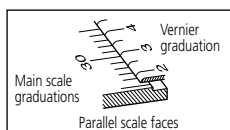


ABSOLUTE Digimatic & Vernier Caliper

SERIES 550, 160 — with Nib Style Jaws

FEATURES

- The rounded faces of the jaws are ideal for accurate ID (inside diameter) measurement.
- Inside and outside measurements can be directly read from the upper and lower slider graduations (series 160).
- With fine-adjustment carriage type is available (series 160).
- Parallax-free vernier scale type is available for easy and positive measurement (series 160).
- With SPC output (series 550).



SPECIFICATIONS

Metric Digital model			
Range*	Order No.	Accuracy	Remarks
0 (10) - 200mm	550-301-10	±0.03mm	IP67
0 (10) - 300mm	550-331-10	±0.04mm	IP67, with offset/preset function for easy ID measurement
0 (20) - 450mm	550-203-10	±0.05mm	—
0 (20) - 600mm	550-205-10	±0.05mm	—
0 (20) - 1000mm	550-207-10	±0.07mm	—

*(): Minimum dimension in ID measurement

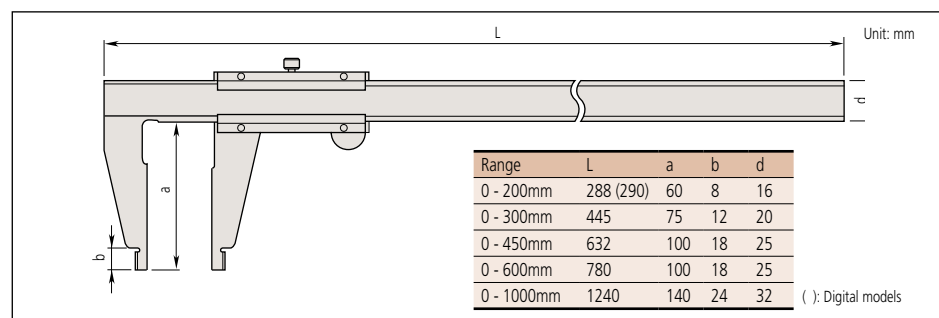
Inch/Metric Digital model			
Range*	Order No.	Accuracy	Remarks
0 (.4") - 8"	550-311-10	±.0015"	IP67
0 (.4") - 12"	550-341-10	±.002"	IP67, with offset/preset function for easy ID measurement
0 (.5") - 18"	550-223-10	±.002"	—
0 (.5") - 24"	550-225-10	±.002"	—
0 (1") - 40"	550-227-10	±.003"	—

*(): Minimum dimension in ID measurement

Metric with metric/metric double scale			
Range*	Order No.	Accuracy	Remarks
0 (10) - 200mm	160-170	±0.03mm	High accuracy model with parallax-free vernier scale (0.02mm graduation)
0 (10) - 300mm	160-180	±0.04mm	High accuracy model with parallax-free vernier scale (0.02mm graduation)
0 (20) - 450mm	160-130	±0.10mm	—
0 (20) - 600mm	160-131	±0.10mm	—
0 (20) - 1000mm	160-132	±0.15mm	—

*(): Minimum dimension in ID measurement

DIMENSION



SPC

ABSOLUTE®
Absolute System Patented by MITUTOYO

www.tuv.com
TÜV
TÜV Rheinland
ID: 2011207400

IP67

(Refer to the page 9 for details.)

Technical Data

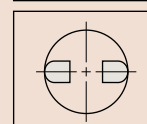
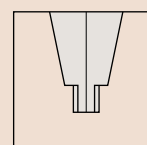
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.02mm
Display*: LCD
Length standard*: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
(1 year: 300mm models)
(3.5 year: over 300mm models)
Dust/Water protection level*: IP67 (models up to 300mm)
*Digital models **Analog models

Function of Digital Model

Origin-set, Zero-setting, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)*
05CZA625: SPC cable with data switch (2m)*
959143: Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)
*For IP67 models (up to 300mm)



Round surface of jaws for accurate CD measurement

ABSOLUTE Digimatic & Vernier Caliper

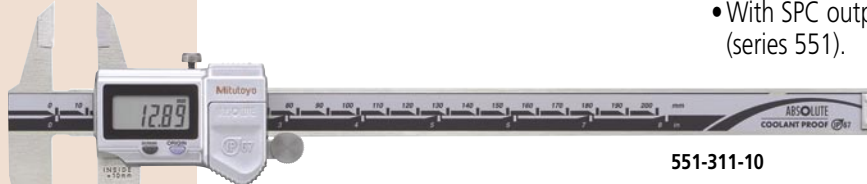
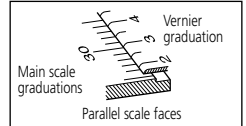
SERIES 551, 533 — with Nib Style and Standard Jaws



(Refer to the page 9 for details.)

FEATURES

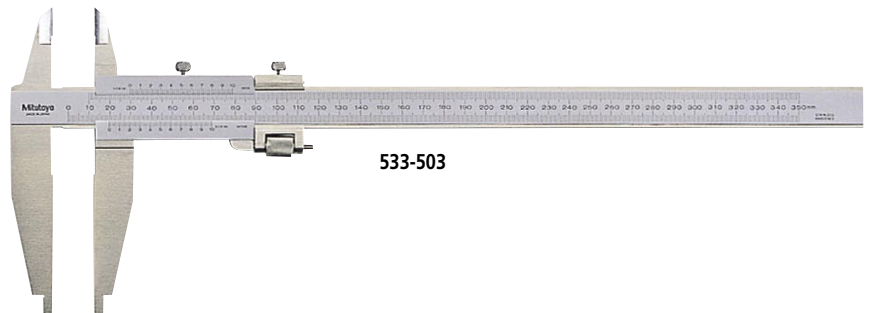
- The rounded faces of the jaws are ideal for accurate ID (inside diameter) measurement.
- Inside and outside measurements can be directly read from the upper and lower slider graduations (series 533).
- With fine-adjustment carriage type is available (series 533).
- Parallax-free vernier scale type is available for easy and positive measurement (series 533).
- With SPC output (series 551).



551-311-10



533-403



533-503

Technical Data

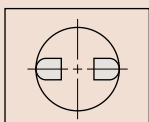
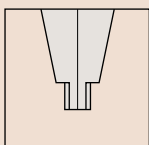
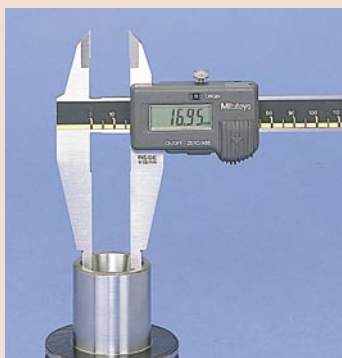
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation*: 0.02mm or 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
(1 year: 300mm models)
(3.5 year: over 300mm models)
Dust/Water protection level*: IP67 (models up to 300mm)
*Digital models **Analog models

Function of Digital Model

Origin-set, Zero-setting, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)*
05CZA625: SPC cable with data switch (2m)*
959143: Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)
*For IP67 models (up to 300mm)



Round surface of jaws for accurate CD measurement

SPECIFICATIONS

Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 (10) - 200mm	551-301-10	±0.03mm	IP67
0 (10) - 300mm	551-331-10	±0.04mm	IP67, with offset/preset function for easy ID measurement
0 (20) - 500mm	551-204-10	±0.06mm	—
0 (20) - 750mm	551-206-10	±0.06mm	—
0 (20) - 1000mm	551-207-10	±0.07mm	—

*(): Minimum dimension in ID measurement

Inch/Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 (.4") - 8"	551-311-10	±.0015"	IP67
0 (.4") - 12"	551-341-10	±.002"	IP67, with offset/preset function for easy ID measurement
0 (.5") - 20"	551-224-10	±.0025"	—
0 (.5") - 30"	551-226-10	±.0025"	—
0 (1") - 40"	551-227-10	±.003"	—

*(): Minimum dimension in ID measurement

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks
0 (10) - 200mm	533-401	±0.05mm	with parallax-free vernier scale
0 (10) - 300mm	533-403	±0.08mm	with parallax-free vernier scale
0 (20) - 450mm	533-404	±0.10mm	—
0 (20) - 750mm	533-405	±0.12mm	—
0 (20) - 1000mm	533-406	±0.15mm	—

*(): Minimum dimension in ID measurement

Metric with metric/metric double scale and fine adjustment

Range*	Order No.	Accuracy	Remarks
0 (10) - 280mm	533-503*	±0.04mm	High accuracy model with parallax-free vernier scale (0.02mm graduation)
0 (20) - 500mm	533-504*	±0.05mm	High accuracy model with 0.02mm graduation
0 (20) - 750mm	533-505*	±0.06mm	High accuracy model with 0.02mm graduation
0 (20) - 1000mm	533-506*	±0.07mm	High accuracy model with 0.02mm graduation

*(): Minimum dimension in ID measurement

Dial Caliper

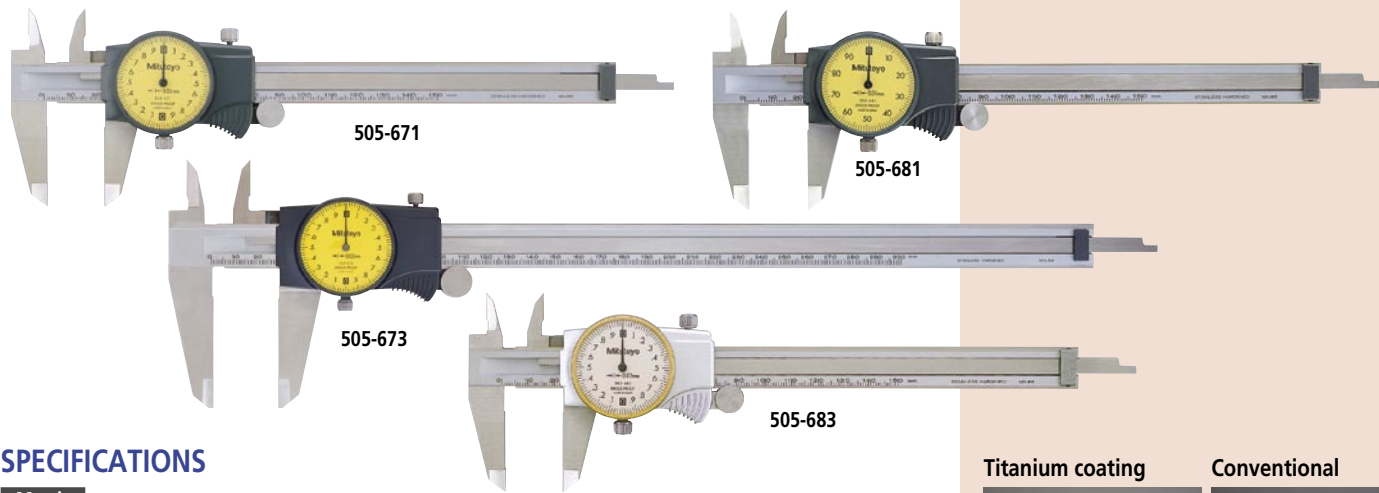
SERIES 505

FEATURES

- New designed dial movement for ultra smooth sliding and high shock protection.
- Titanium coating is applied to the sliding surface to strengthen the durability (except for 0 - 300mm and 0 - 12" model). No wearing by 100,000-time sliding test.
- Can measure OD, ID, depth, and steps.
- Clamping screw atop the slider.
- Special models available with carbide-tipped OD and ID jaws.



(Refer to the page 9 for details.)



SPECIFICATIONS

Metric			
Range	Order No.	Accuracy	Remarks (dial reading / others)
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 OD measurement
0 - 150mm	505-711	±0.03mm	0.02mm, 2mm/rev Carbide-tipped jaws for OD & ID 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	Remarks (dial reading / others)
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 OD measurement
0 - 6"	505-712	±.001"	.001", .1"/rev Carbide-tipped jaws for OD & ID measurement
0 - 8"	505-676 / 505-690*	±.002"	.001", .1"/rev —
0 - 8"	505-709	±.002"	.001", .1"/rev Carbide-tipped jaws for OD measurement
0 - 8"	505-713	±.002"	.001", .1"/rev Carbide-tipped jaws for OD & ID 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 OD measurement
0 - 12"	505-710*	±.002"	.001", .1"/rev Carbide-tipped jaws for OD measurement
0 - 12"	505-714*	±.002"	.001", .1"/rev Carbide-tipped jaws for OD & ID measurement

*Silver cover type

Titanium coating



Wear: 0µm

Conventional

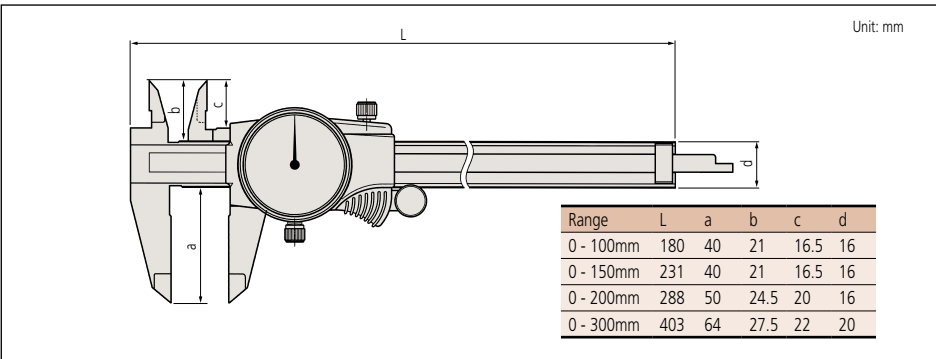


Wear: 4µm

Technical Data

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

DIMENSION





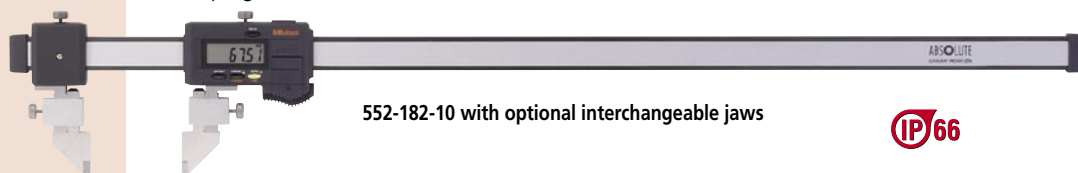
(Refer to the page 9 for details.)

ABSOLUTE Coolant Proof Carbon Fiber Caliper

SERIES 552 — with Interchangeable Jaws

FEATURES

- The range of applications can be expanded by using the interchangeable jaws (optional).
- Quick and easy exchanging of jaws due to the unique clamping mechanism. (A pair of clamping wheels are standard accessories.)
- Provided with preset function for setting a desired starting point, which allows direct readout of offset measurements.
- With SPC data output.

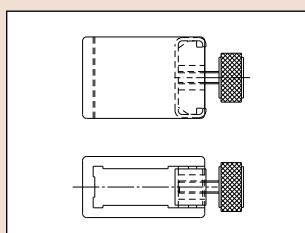


552-182-10 with optional interchangeable jaws



Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error)
Resolution: 0.01mm or .0005"/0.01mm
Display: LCD
Length standard: ABSOLUTE electromagnetic induction linear encoder
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 5,000 hours in continuous use
Dust/Water protection level: IP66
Standard accessory: Jaw clamps (2 pcs.), **05GZA033**

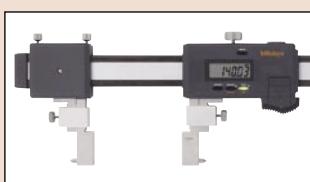


Function

Origin-set, Zero-setting, Presetting, Offsetting, Data hold,
Automatic power on/off, Data output, inch/mm conversion
(inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)



SPECIFICATIONS

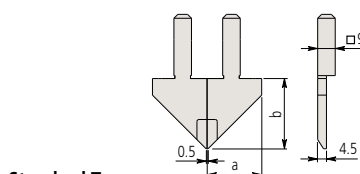
Metric

Range	Order No.	Accuracy
0 - 450mm	552-181-10	±0.04mm
0 - 600mm	552-182-10	±0.04mm
0 - 1000mm	552-183-10	±0.05mm
0 - 1500mm	552-184-10	±0.09mm
0 - 2000mm	552-185-10	±0.12mm

Inch/Metric

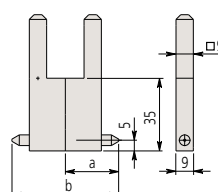
Range	Order No.	Accuracy
0 - 18"	552-191-10	±.002"
0 - 24"	552-192-10	±.002"
0 - 40"	552-193-10	±.002"
0 - 60"	552-194-10	±.004"
0 - 80"	552-195-10	±.005"

Interchangeable Jaws (Optional)



Standard Type

Order No.	Components	a	b
07CZA056	Right (07CAA044), Left (07CAA045)	28mm (1.1")	30mm (1.2")

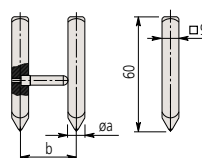


Inside Point Type

Order No.	Components	a	b
07CZA058	07CZA041 x 2pcs.	25mm	50mm

Inch

Order No.	Components	a	b
07CZA059	07CZA048 x 2pcs.	1"	2"

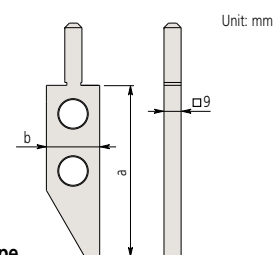


Scriber Type

Order No.	Components	a	b
07CZA055	Right (07CZA042), Left (07CZA043)	8mm	30mm

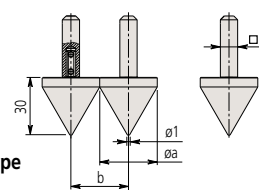
Inch

Order No.	Components	a	b
07CZA061	Right (07CZA042), Left (07CZA049)	0.31"	1.2"



Surface Plate Type

Order No.	a	b
07CZA044	90mm (3.5")	28mm (1.1")

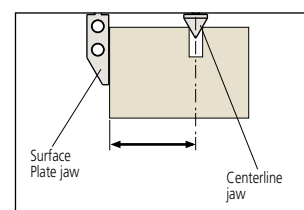


Centerline Type

Order No.	Components	a	b
07CZA057	07CZA039 x 2pcs.	30mm	30mm

Inch

Order No.	Components	a	b
07CZA060	07CZA047 x 2pcs.	1.2"	1.2"

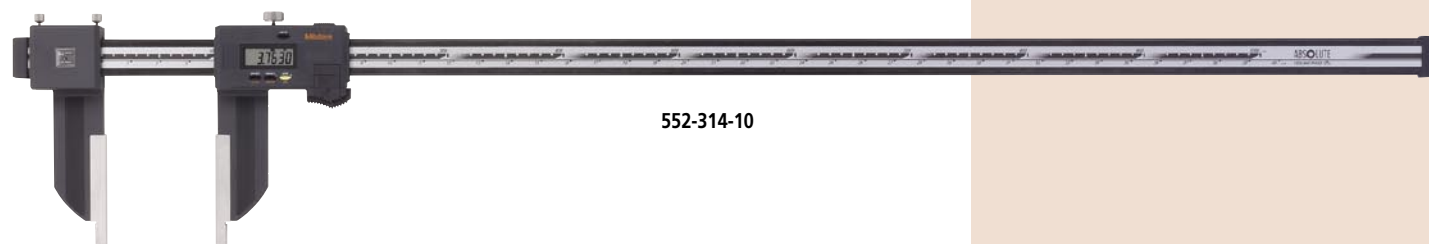


ABSOLUTE Coolant Proof Carbon Fiber Caliper

SERIES 552

FEATURES

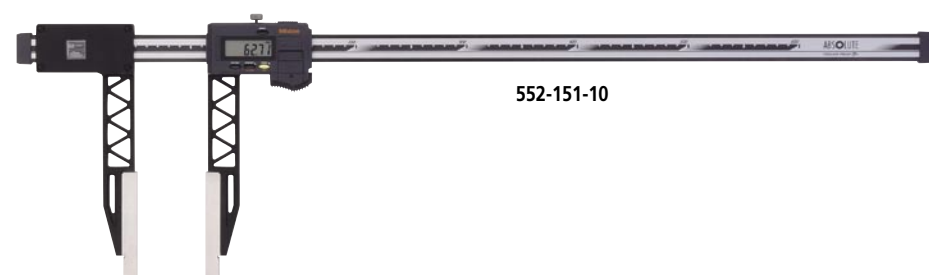
- Lightweight Digimatic Calipers that employ CFRP (Carbon Fiber Reinforced Plastics) in the beam and jaws.
- Highly durable and easy to handle.
- The range of applications can be expanded by using the optional attachments.
- Direct readout of ID measurements from the LCD. (Offset value can be set easily by pressing the Offset key.)
- Preset function for setting a desired starting point.
- With SPC data output.
- Special model available with ceramic jaws which are suitable to measure magnetic products.



552-314-10



552-155-10



552-151-10

SPECIFICATIONS

Metric		
Range*	Order No. (standard / long jaws / ceramic jaws)	Accuracy (standard / long jaws / ceramic jaws)
0 (20) - 450mm	552-302-10 / 552-150-10 / 552-155-10	±0.04mm / ±0.06mm / ±0.04mm
0 (20) - 600mm	552-303-10 / 552-151-10 / 552-156-10	±0.04mm / ±0.06mm / ±0.04mm
0 (20) - 1000mm	552-304-10 / 552-152-10	±0.05mm / ±0.07mm
0 (20) - 1500mm	552-305-10 / 552-153-10	±0.09mm / ±0.11mm
0 (20) - 2000mm	552-306-10 / 552-154-10	±0.12mm / ±0.14mm

*() : Minimum dimension in ID measurement

Inch/Metric		
Range*	Order No. (standard / long jaws / ceramic jaws)	Accuracy (standard / long jaws / ceramic jaws)
0 (.5") - 18"	552-312-10 / 552-160-10 / 552-165-10	±.002" / ±.0025" / ±.002"
0 (.5") - 24"	552-313-10 / 552-161-10 / 552-166-10	±.002" / ±.0025" / ±.002"
0 (1") - 40"	552-314-10 / 552-162-10	±.002" / ±.003"
0 (1") - 60"	552-315-10 / 552-163-10	±.004" / ±.0045"
0 (1") - 80"	552-316-10 / 552-164-10	±.005" / ±.0055"

*() : Minimum dimension in ID measurement



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error)
Resolution: 0.01mm or .0005"/0.01mm
Display: LCD
Length standard: ABSOLUTE electromagnetic induction linear encoder
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 5,000 hours in continuous use
Dust/Water protection level: IP66

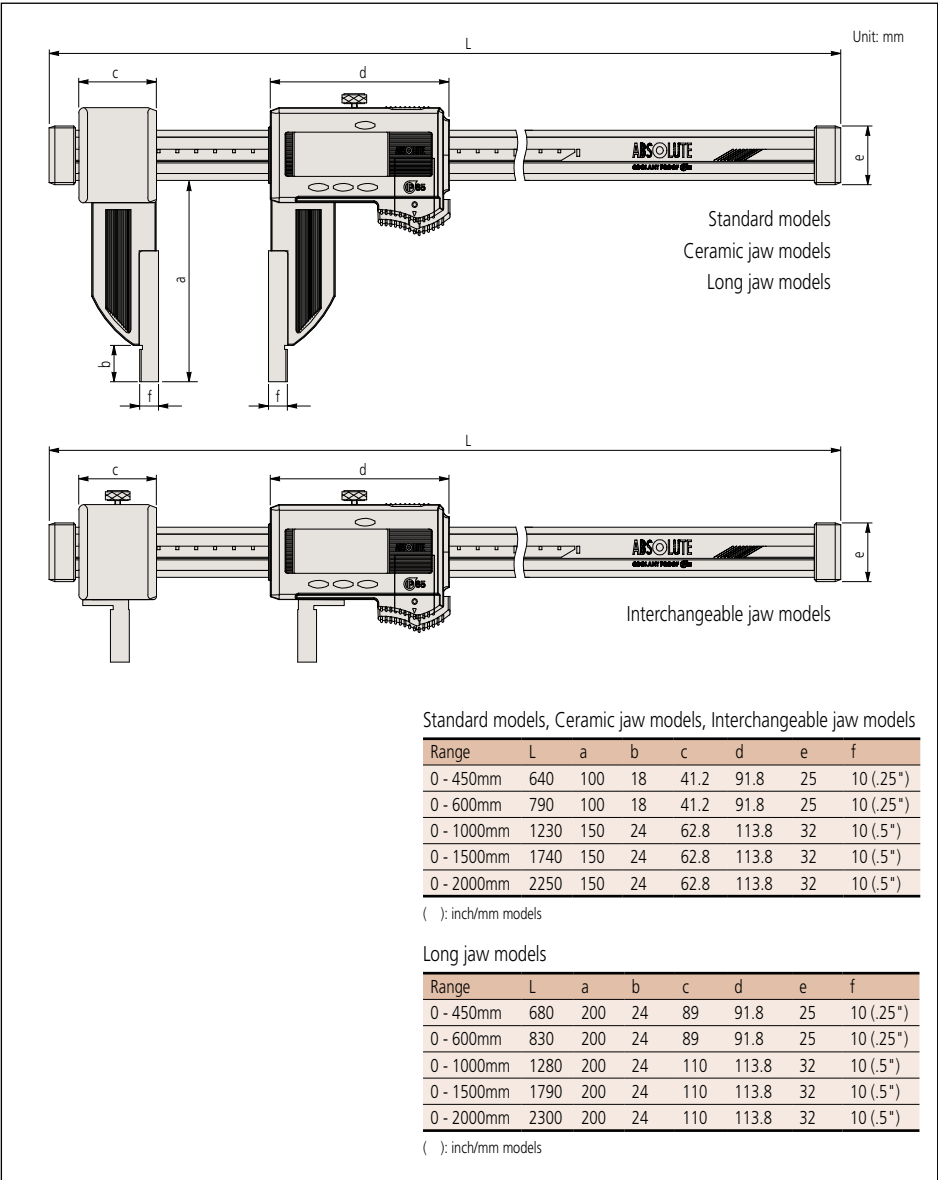
Function

Origin-set, Zero-setting, Presetting, Offsetting, Data hold,
Automatic power on/off, Data output, inch/mm conversion
(inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)

DIMENSION

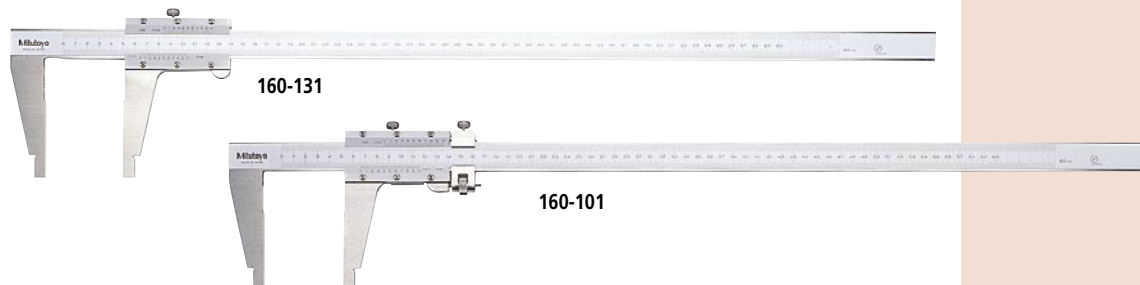


Vernier Caliper

SERIES 160 — with Nib Style Jaws and Fine Adjustment

FEATURES

- The jaws have round measuring faces for accurate ID measurement.
- With fine adjustment carriage to feed the slider finely. (without **160-130 - 134**)
- Inside and outside measurements can be directly read from the upper and lower slider graduations, respectively.



SPECIFICATIONS

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (20) - 450mm	160-130	±0.10mm	0.05mm	0.05mm	without fine adjustment
0 (20) - 600mm	160-131	±0.10mm	0.05mm	0.05mm	without fine adjustment
0 (20) - 1000mm	160-132	±0.15mm	0.05mm	0.05mm	without fine adjustment
0 (20) - 1500mm	160-133	±0.22mm	0.05mm	0.05mm	without fine adjustment
0 (20) - 2000mm	160-134	±0.28mm	0.05mm	0.05mm	without fine adjustment

*(): Minimum dimension in ID measurement

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (10) - 300mm	160-127	±0.04mm	0.02mm	0.02mm	—
0 (20) - 450mm	160-128	±0.05mm	0.02mm	0.02mm	—
0 (20) - 600mm	160-101	±0.05mm	0.02mm	0.02mm	—
0 (20) - 1000mm	160-104	±0.07mm	0.02mm	0.02mm	—
0 (20) - 1500mm	160-110	±0.09mm	0.02mm	0.02mm	—
0 (20) - 2000mm	160-113	±0.12mm	0.02mm	0.02mm	—

*(): Minimum dimension in ID measurement

Metric/Inch with metric/inch double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (10) - 300mm	160-150	±0.04mm	0.02mm	.001"	+10mm/.394" to reading in ID measurement
0 (20) - 450mm	160-151	±0.05mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 600mm	160-153	±0.05mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 1000mm	160-155	±0.07mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 1500mm	160-157	±0.09mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 2000mm	160-159	±0.12mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement

*(): Minimum dimension in ID measurement

Inch with inch/inch double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (.3") - 12"	160-124	±.0015"	.001"	.001"	—
0 (.5") - 18"	160-116	±.002"	.001"	.001"	—
0 (.5") - 24"	160-102	±.002"	.001"	.001"	—
0 (1") - 40"	160-105	±.003"	.001"	.001"	—
0 (1") - 60"	160-111	±.004"	.001"	.001"	—
0 (1") - 80"	160-114	±.005"	.001"	.001"	—

*(): Minimum dimension in ID measurement

Inch/Metric with inch/metric double scale

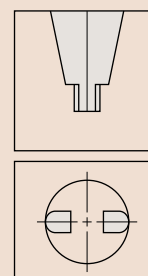
Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (.3") - 12"	160-125	±.0015"	.001"	0.02mm	+3"/7.62mm to reading in ID measurement
0 (.5") - 18"	160-119	±.002"	.001"	0.02mm	+5"/12.7mm to reading in ID measurement
0 (.5") - 24"	160-103	±.002"	.001"	0.02mm	+5"/12.7mm to reading in ID measurement
0 (1") - 40"	160-106	±.003"	.001"	0.02mm	+1"/25.4mm to reading in ID measurement
0 (1") - 60"	160-112	±.004"	.001"	0.02mm	+1"/25.4mm to reading in ID measurement
0 (1") - 80"	160-115	±.005"	.001"	0.02mm	+1"/25.4mm to reading in ID measurement

*(): Minimum dimension in ID measurement

Technical Data

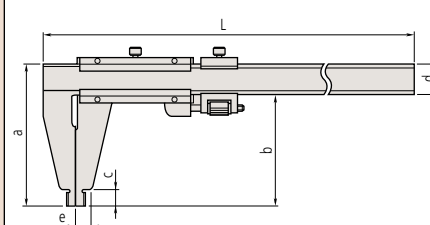
Accuracy: Refer to the list of specifications.

Graduation: Refer to the list of specifications.



Round surface of jaws for accurate CD measurement

DIMENSION

						
Range	L	a	b	c	d	e
0 - 300mm	445	95	25	12	20	10
0 - 450mm	630	125	100	18	25	14.8
0 - 600mm	780	125	100	18	25	14.8
0 - 1000mm	1240	172	140	24	32	17
0 - 1500mm	1800	212	180	30	32	19
0 - 2000mm	2300	220	180	30	40	23

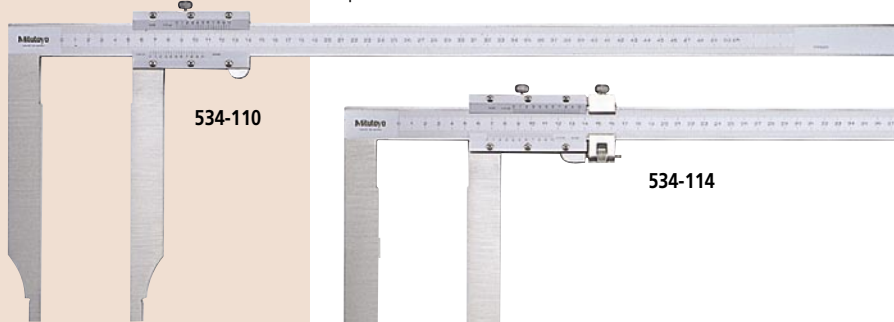
Unit: mm

Long Jaw Vernier Caliper

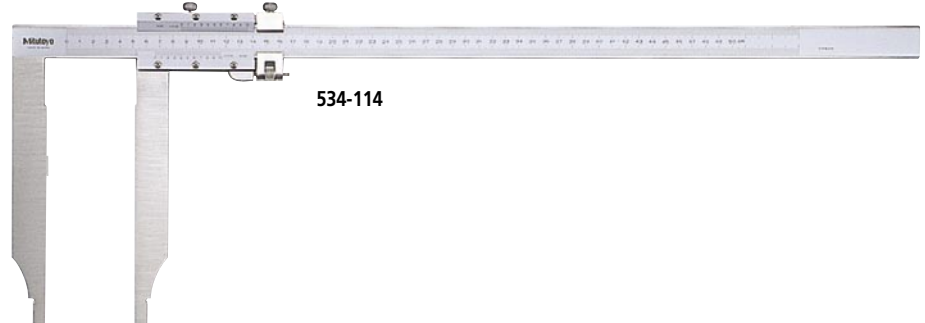
SERIES 534

FEATURES

- Long jaws for measuring hard-to-reach portions.



534-110



534-114

SPECIFICATIONS

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (10) - 300mm	534-109	±0.07mm	0.05mm	0.05mm	without fine adjustment
0 (20) - 500mm	534-110	±0.13mm	0.05mm	0.05mm	without fine adjustment

*(): Minimum dimension in ID measurement

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (10) - 300mm	534-113	±0.04mm	0.02mm	0.02mm	—
0 (20) - 500mm	534-114	±0.06mm	0.02mm	0.02mm	—
0 (20) - 750mm	534-115	±0.08mm	0.02mm	0.02mm	—
0 (20) - 1000mm	534-116	±0.10mm	0.02mm	0.02mm	—

*(): Minimum dimension in ID measurement

Metric/Inch with metric/inch double scale

Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (10) - 300mm	534-101	±0.07mm	0.05mm	1/128"	+10mm/.394" to reading in ID measurement
0 (10) - 300mm	534-105	±0.04mm	0.02mm	.001"	+10mm/.394" to reading in ID measurement
0 (20) - 500mm	534-102	±0.13mm	0.05mm	1/128"	+20mm/.787" to reading in ID measurement
0 (20) - 500mm	534-106	±0.06mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 700mm	534-103	±0.16mm	0.05mm	1/128"	+20mm/.787" to reading in ID measurement
0 (20) - 700mm	534-107	±0.08mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement
0 (20) - 1000mm	534-104	±0.20mm	0.05mm	1/128"	+20mm/.787" to reading in ID measurement
0 (20) - 1000mm	534-108	±0.10mm	0.02mm	.001"	+20mm/.787" to reading in ID measurement

*(): Minimum dimension in ID measurement

Inch with inch/inch double scale

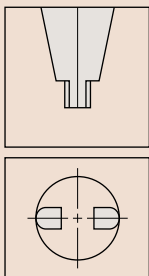
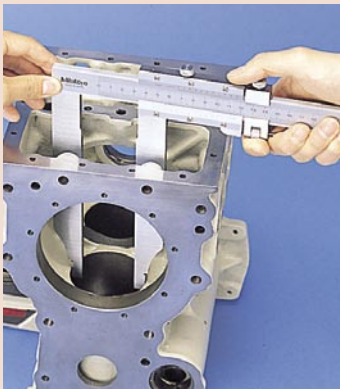
Range*	Order No.	Accuracy	Remarks (lower scale graduation / upper scale graduation / Others)		
0 (.3") - 12"	534-117	±.002"	.001"	.001"	—
0 (.8") - 20"	534-118	±.003"	.001"	.001"	—
0 (.8") - 30"	534-119	±.004"	.001"	.001"	—
0 (.8") - 40"	534-120	±.004"	.001"	.001"	—

*(): Minimum dimension in ID measurement

Technical Data

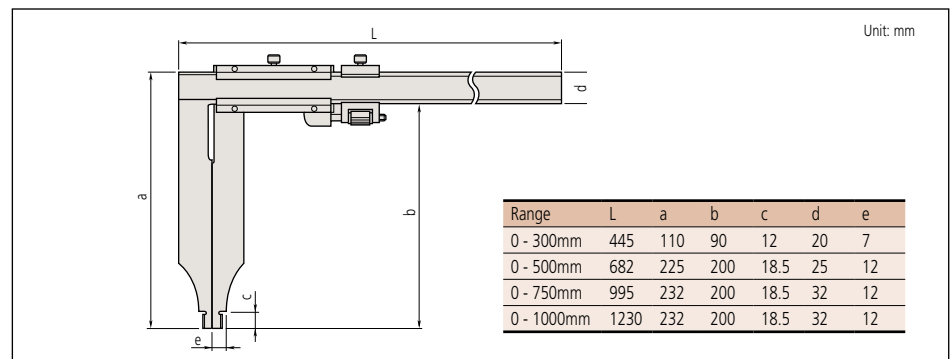
Accuracy: Refer to the list of specifications.

Graduation: Refer to the list of specifications.



Round surface of jaws for accurate CD measurement

DIMENSION

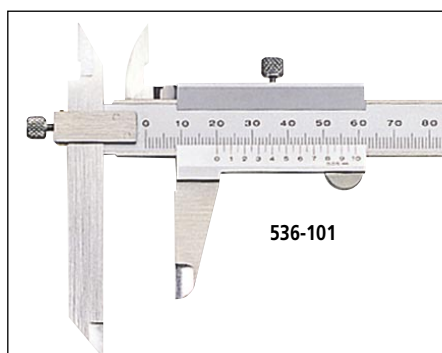


Offset Caliper

SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- Main scale jaw can be slid up and down to facilitate measurement of stepped sections. (Hard-to-get-at dimensions such as A, B, C can be accurately measured.)
- With depth bar.
- With SPC data output. (series 573)



SPECIFICATIONS

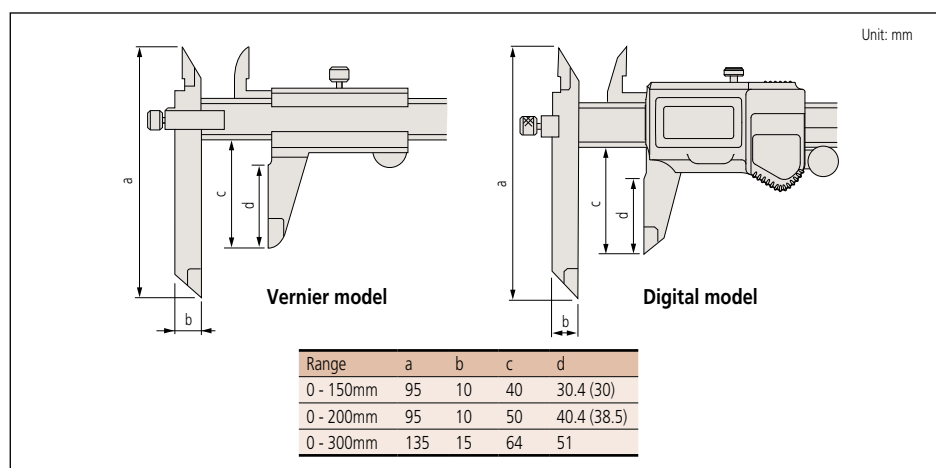
Metric Digital model		
Range	Order No.	Accuracy
0 - 150mm	573-601	±0.02mm
0 - 150mm	573-611*	±0.02mm
0 - 200mm	573-602	±0.02mm
0 - 200mm	573-612*	±0.02mm
0 - 300mm	573-604	±0.03mm
0 - 300mm	573-614*	±0.03mm

*Without thumb roller

Metric		
Range	Order No.	Accuracy
0 - 150mm	536-101	±0.05mm
0 - 200mm	536-102	±0.05mm
0 - 300mm	536-103	±0.08mm

Inch/Metric Digital model		
Range	Order No.	Accuracy
0 - 6"	573-701	±.001"
0 - 8"	573-702	±.001"
0 - 12"	573-704	±.0015"

DIMENSION



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(Refer to the page 9 for details.)

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IP67

(Refer to the page 9 for details.)

Technical Data

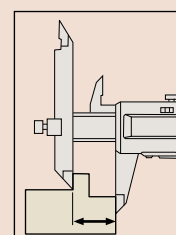
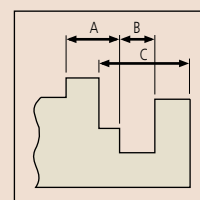
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
(1 year: 300mm model)
Dust/Water protection level*: IP67
*Digital models **Analog models

Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)





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(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)

Resolution*: 0.01mm or .0005"/0.01mm

Graduation*: 0.05mm

Display*: LCD

Length standard*: ABSOLUTE electromagnetic induction
linear encoder

Max. response speed*: Unlimited

Battery*: SR44 (1 pc.), **938882**

Battery life*: Approx. 3 years under normal use
(1 year: 310mm model)

Dust/Water protection level*: IP67

*Digital models **Analog models

Function of Digital Model

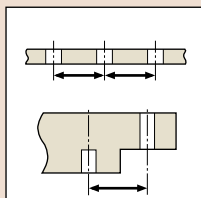
Origin-set, Zero-setting, Automatic power on/off, Data
output, inch/mm conversion (inch/mm models)

Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)

05CZA625: SPC cable with data switch (2m)

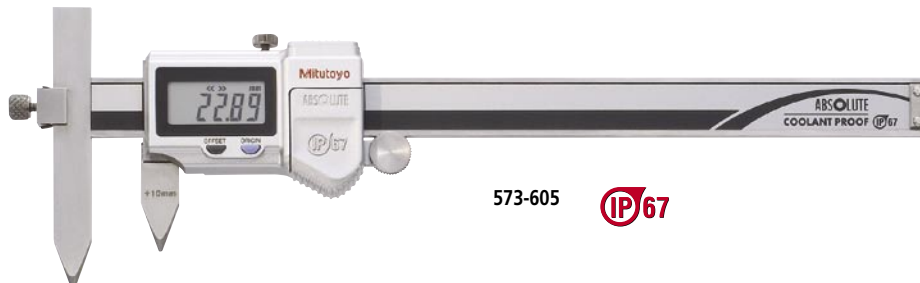


Offset Centerline Caliper

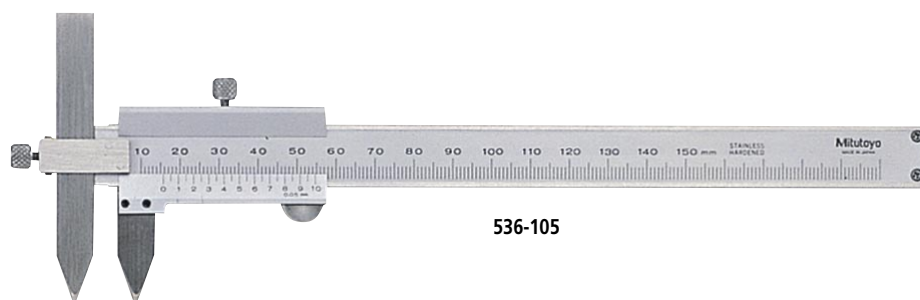
SERIES 534, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- Specially designed for center to center distance measurements on the same and offset planes.
- Can also measure from edge to center.
- Hole diameter should be in the range of 1.5mm - 10mm (.06" - .4").
- With SPC data output. (series 573)



573-605



536-105

SPECIFICATIONS

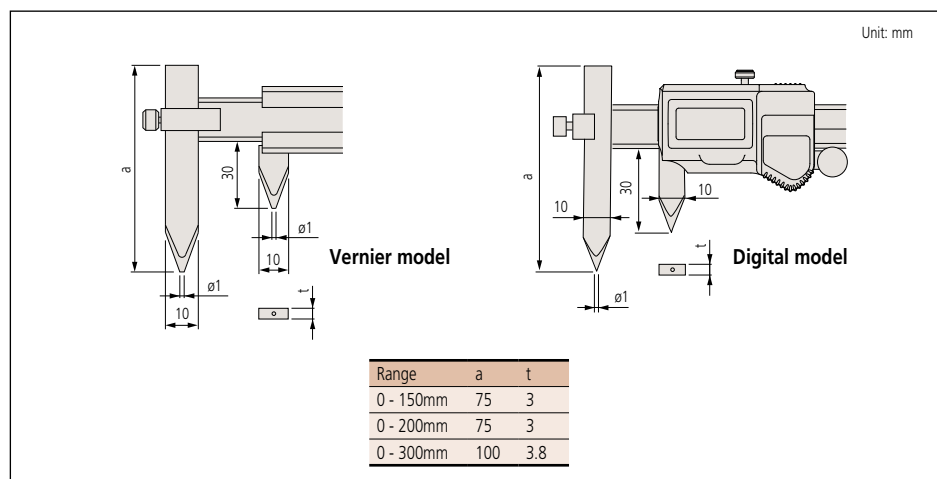
Metric	Digital model	
Range	Order No.	Accuracy
10 - 160mm	573-605	±0.03mm
10 - 160mm	573-615*	±0.03mm
10 - 210mm	573-606	±0.03mm
10 - 210mm	573-616*	±0.03mm
10 - 310mm	573-608	±0.04mm
10 - 310mm	573-618*	±0.04mm

*Without thumb roller

Inch/Metric	Digital model	
Range	Order No.	Accuracy
.4 - 6.4"	573-705	±.0015"
.4 - 8.4"	573-706	±.0015"
.4 - 12.4"	573-708	±.0015"

Metric		
Range	Order No.	Accuracy
10 - 150mm	536-105	±0.05mm
10 - 200mm	536-106	±0.05mm
10 - 300mm	536-107	±0.08mm

DIMENSION

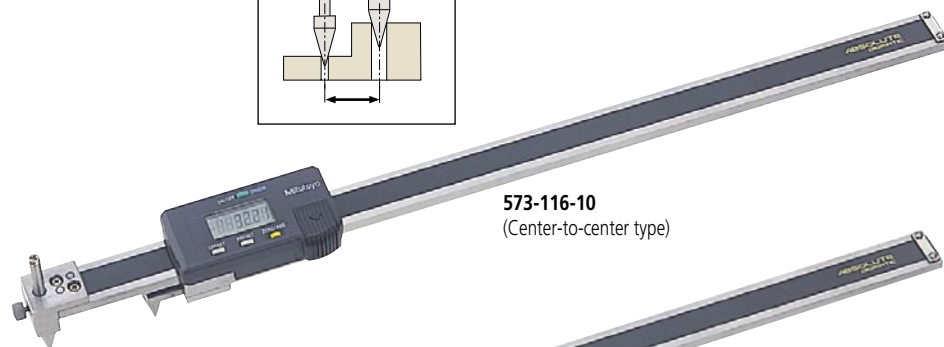
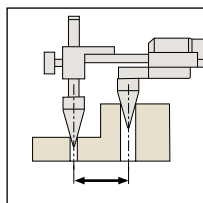


ABSOLUTE Back-Jaw Centerline Caliper

SERIES 537 — Center-to-center & edge-to-center Types

FEATURES

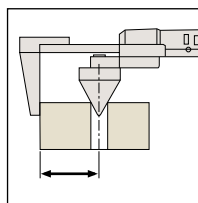
- Specially designed to measure the distance between two centers or the distance from an edge to center.
- Provided with jaws on the back of the slider, measurements can be read easily by looking down.
- Direct reading of pitch measurements is available due to the offset value setting function.
- With SPC data output.



573-116-10
(Center-to-center type)



573-118-10
(Edge-to-center type)

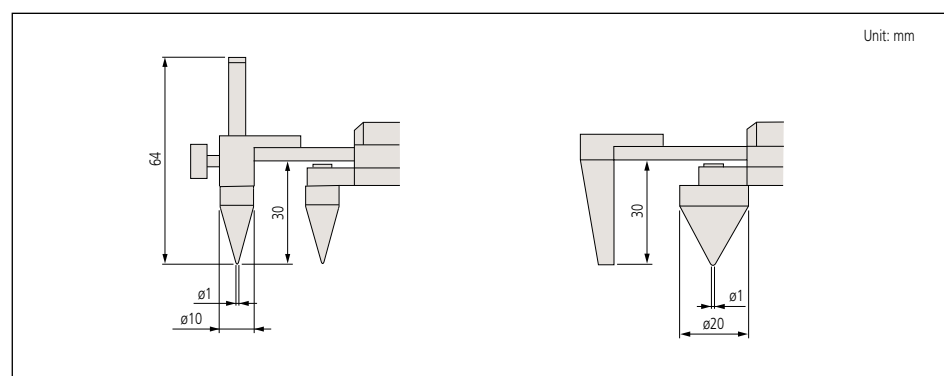


SPECIFICATIONS

Metric Center-to-center distance type		
Range	Order No.	Accuracy
10 - 200mm	573-116-10	±0.10mm
10 - 300mm	573-117-10	±0.15mm

Metric Edge-to-center distance type		
Range	Order No.	Accuracy
10 - 200mm	573-118-10	±0.10mm
10 - 300mm	573-119-10	±0.15mm

DIMENSION



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Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.01mm or .0005"/0.01mm
Display: LCD
Length standard*: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 3.5 years under normal use

Function

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

959143: Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)



(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction
linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
Dust/Water protection level*: IP67
*Digital models **Analog models

Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)

05CZA625: SPC cable with data switch (2m)

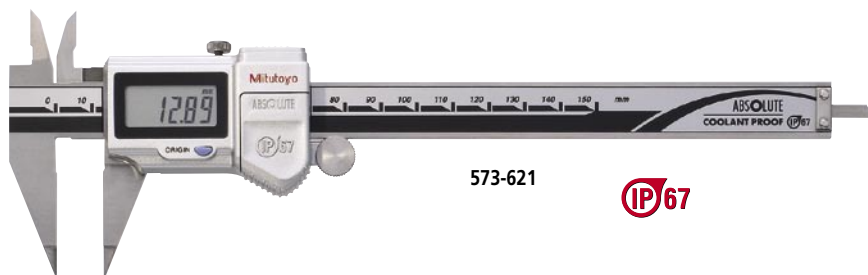


Point Caliper

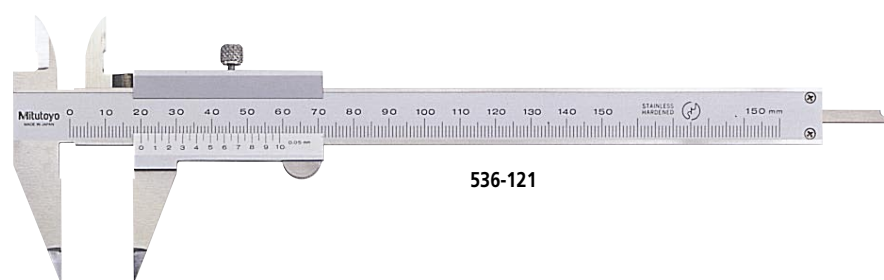
SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- Narrow tip jaws fit into very small grooves and tracks, making many previously difficult outside measurements far easier to obtain.
- With depth bar.
- With SPC data output. (series 573)



573-621



536-121

SPECIFICATIONS

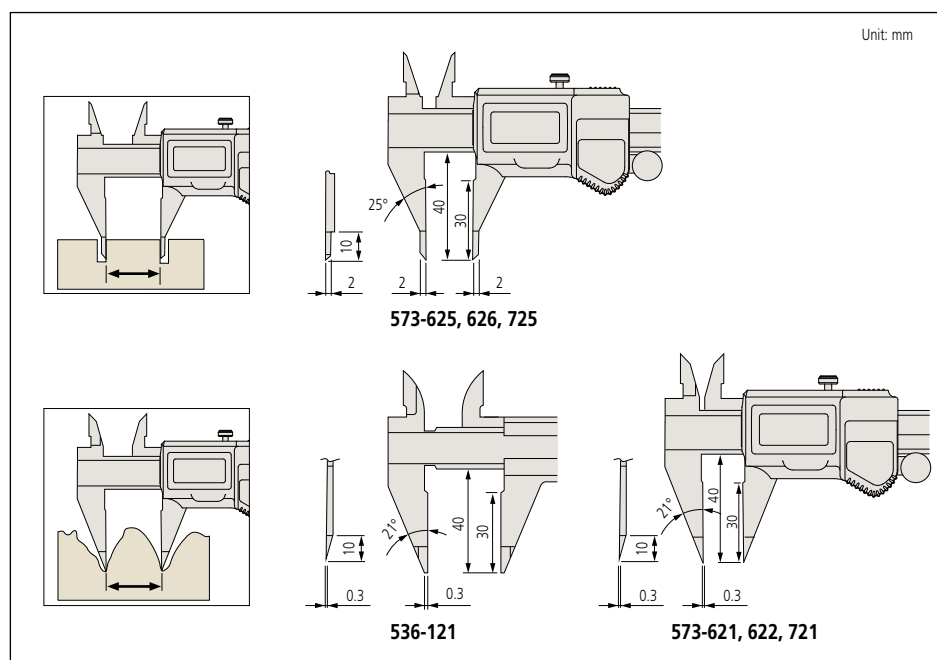
Metric	Digital model	
Range	Order No.	Accuracy
0 - 150mm	573-621	±0.02mm
0 - 150mm	573-625	±0.02mm
0 - 150mm	573-622*	±0.02mm
0 - 150mm	573-626*	±0.02mm

*without thumb roller

Metric		
Range	Order No.	Accuracy
0 - 150mm	536-121	±0.05mm

Inch/Metric	Digital model	
Range	Order No.	Accuracy
0 - 6"	573-721	±.001"
0 - 6"	573-725	±.001"

DIMENSION

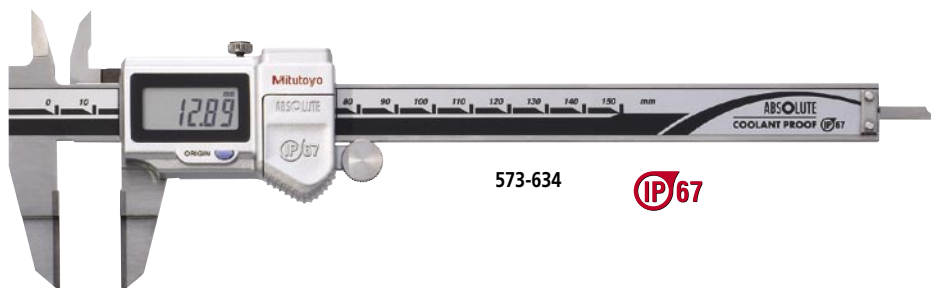


Blade Type Caliper

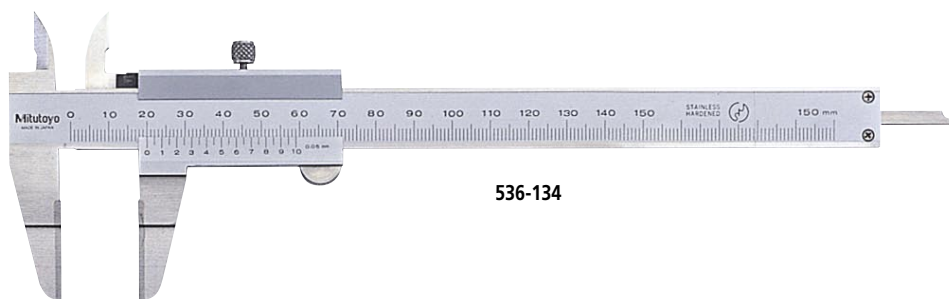
SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- The thin blade type jaws fit into very small grooves and making previously difficult outside measurements far easier to obtain.
- The OD measuring faces are carbide-tipped.
- With depth bar.
- With SPC data output. (series 573)



573-634



536-134

SPECIFICATIONS

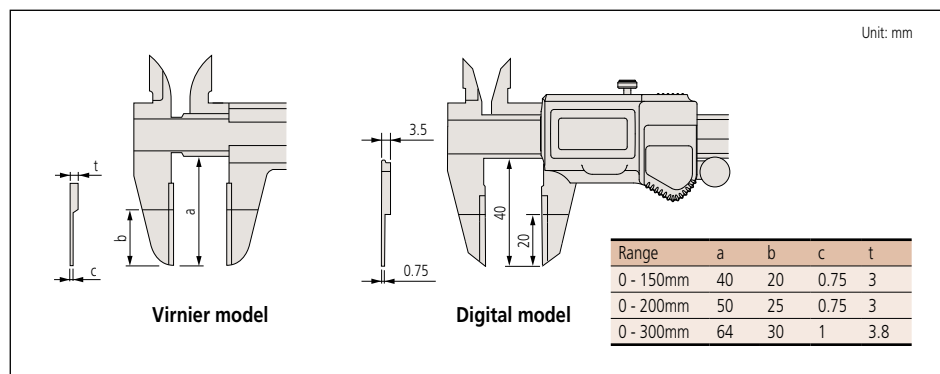
Metric Digital model		
Range	Order No.	Accuracy
0 - 150mm	573-634	±0.02mm
0 - 150mm	573-635*	±0.02mm

*without thumb roller

Metric		
Range	Order No.	Accuracy
0 - 150mm	536-134	±0.05mm
0 - 200mm	536-135	±0.05mm
0 - 300mm	536-136	±0.08mm

Inch/Metric Digital model		
Range	Order No.	Accuracy
0 - 6"	573-734	±.001"

DIMENSION



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Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
Dust/Water protection level*: IP67
*Digital models **Analog models

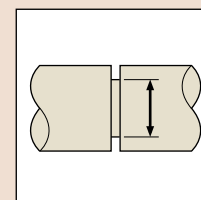
Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)

05CZA625: SPC cable with data switch (2m)





(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction
linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
Dust/Water protection level*: IP67
*Digital models **Analog models

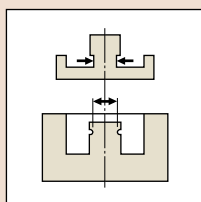
Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)

05CZA625: SPC cable with data switch (2m)



Neck Caliper

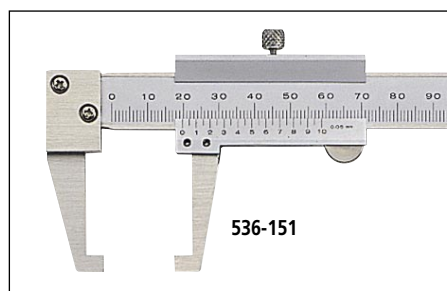
SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

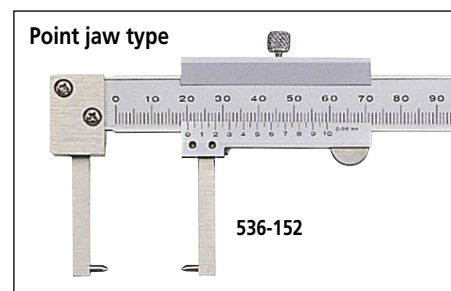
- Can measure wall thickness inside bores and recesses.
- With SPC data output. (series 573)



573-651



536-151



536-152

SPECIFICATIONS

Metric	Digital model	
Range	Order No.	Accuracy
0 - 150mm	573-651	±0.03mm
0 - 150mm	573-652*	±0.03mm
0 - 150mm	573-653	±0.03mm
0 - 150mm	573-654*	±0.03mm

*Point type 573-653, 573-654: without thumb roller

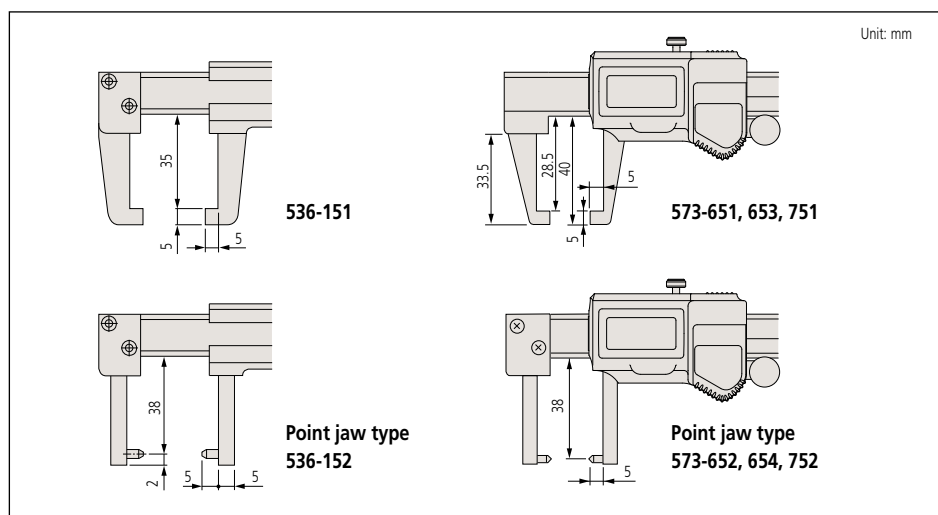
Metric		
Range	Order No.	Accuracy
0 - 150mm	536-151	±0.05mm
0 - 150mm	536-152*	±0.05mm

*Point type

Inch/Metric	Digital model	
Range	Order No.	Accuracy
0 - 6"	573-751	±.0015"
0 - 6"	573-752*	±.0015"

*Point type

DIMENSION



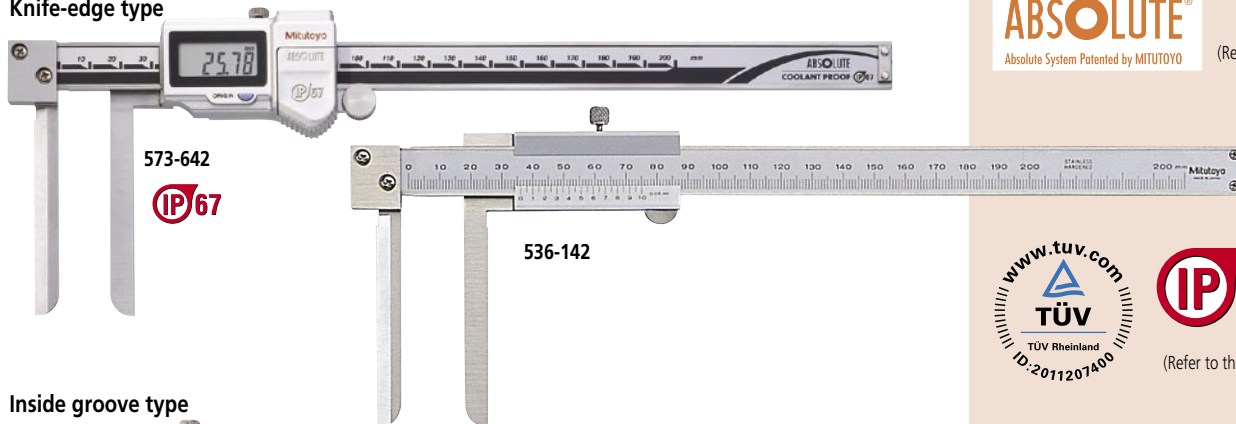
ABSOLUTE Inside Caliper

SERIES 573, 536 — Knife-edge/Inside Groove/Point Jaw Type

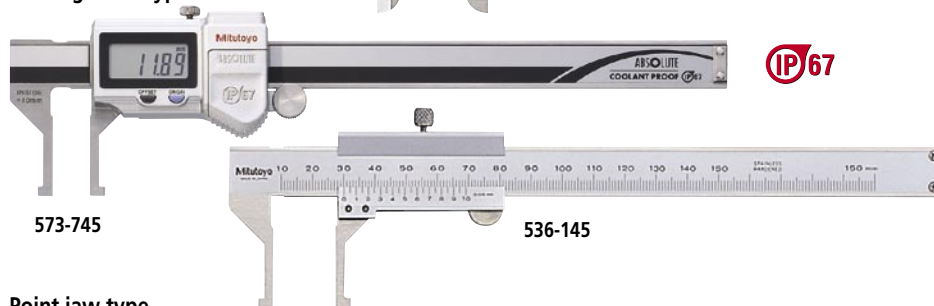
FEATURES

- Specially designed for inside measurements in hard-to-reach places.
- With SPC data output. (series 573)

Knife-edge type



Inside groove type



Point jaw type



SPECIFICATIONS

Metric Digital model

Range	Order No.	Accuracy	Remarks
10 - 200mm	573-642	±0.05mm	Knife-edge type, Measurable min. hole diameter: ø10mm
10 - 200mm	573-643*	±0.05mm	Knife-edge type, Measurable min. hole diameter: ø10mm
10 - 160mm	573-645	±0.05mm	Inside groove type, Measurable min. hole diameter: ø10mm
10 - 160mm	573-647*	±0.05mm	Inside groove type, Measurable min. hole diameter: ø10mm
20 - 170mm	573-646	±0.03mm	Point jaw type, Measurable min. hole diameter: ø20mm
20 - 170mm	573-648*	±0.03mm	Point jaw type, Measurable min. hole diameter: ø20mm

*without thumb roller

Inch/Metric Digital model

Range	Order No.	Accuracy	Remarks
.4" - 8"	573-742	±.002"	Knife-edge type, Measurable min. hole diameter: ø.4"
.4" - 6"	573-745	±.002"	Inside groove type, Measurable min. hole diameter: ø.4"
.8" - 6"	573-746	±.0015"	Point jaw type, Measurable min. hole diameter: ø.8"

Metric

Range	Order No.	Accuracy	Remarks
10 - 200mm	536-142	±0.12mm	Knife-edge type, Measurable min. hole diameter: ø10mm
10 - 150mm	536-145	±0.05mm	Inside groove type, Measurable min. hole diameter: ø10mm
20 - 150mm	536-146	±0.05mm	Point jaw type, Measurable min. hole diameter: ø20mm
30 - 300mm	536-147	±0.08mm	Point jaw type, Measurable min. hole diameter: ø30mm
70 - 450mm	536-148	±0.10mm	Point jaw type, Measurable min. hole diameter: ø70mm
70 - 600mm	536-149	±0.12mm	Point jaw type, Measurable min. hole diameter: ø70mm

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ID:2011207400

IP67

(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
Dust/Water protection level*: IP67

*Digital models **Analog models

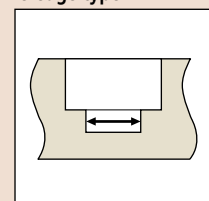
Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

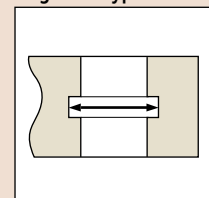
Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)

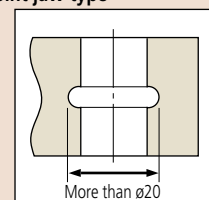
Knife-edge type



Inside groove type



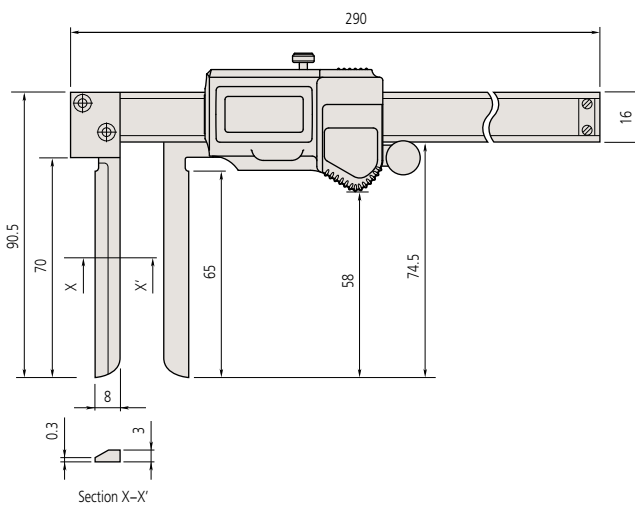
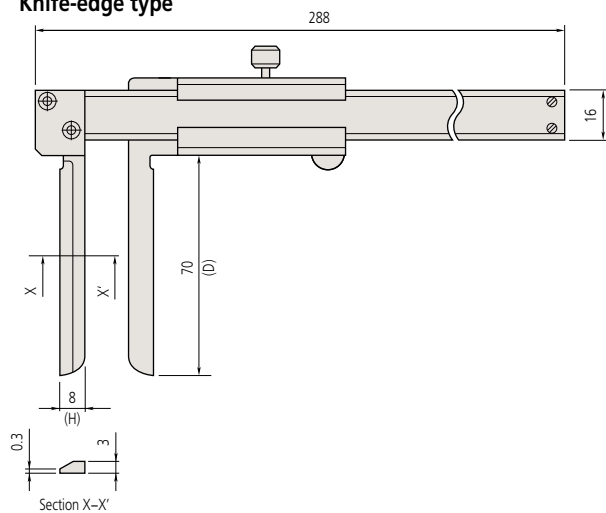
Point jaw type



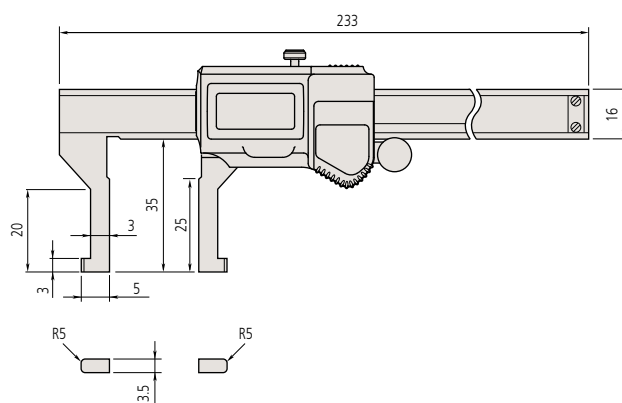
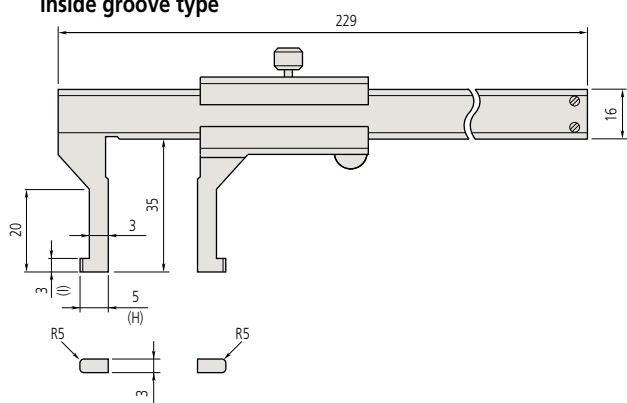
DIMENSION

Unit: mm

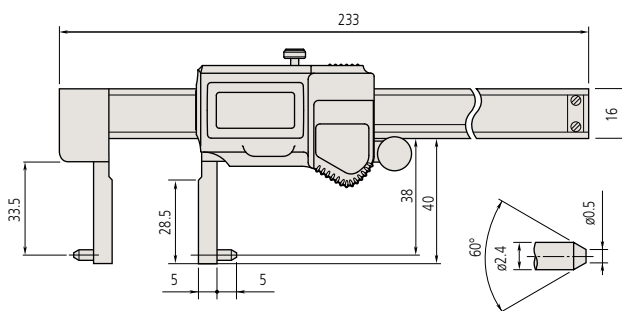
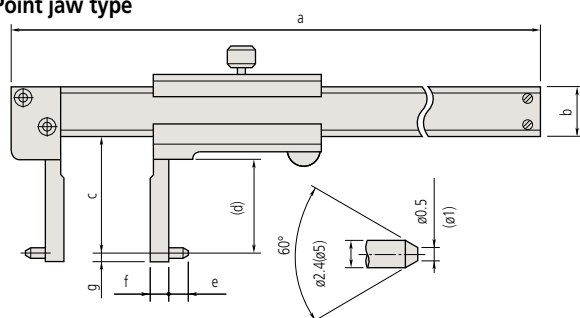
Knife-edge type



Inside groove type



Point jaw type



Range	a	b	c	d	e	f	g
150mm	229	16	38	31	5	5	2
300mm	403	20	98	89	5	10	2
450mm	610	25	145	136	10	25	5
600mm	750	25	145	136	10	25	5

Tube Thickness Caliper

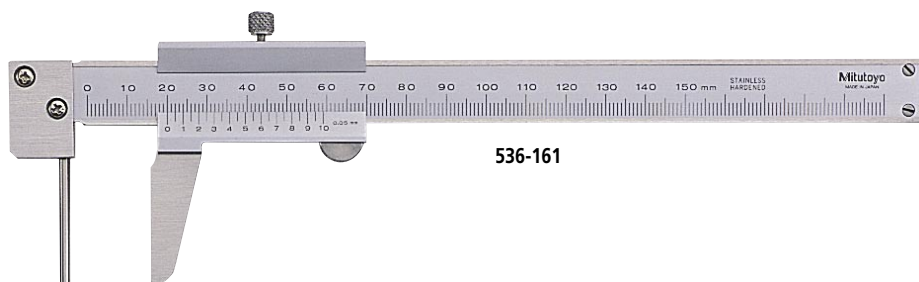
SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- The main scale jaw is a round bar that facilitates measurements of tube wall thickness.
- With SPC data output. (series 573)



573-661



536-161

SPECIFICATIONS

Metric	Digital model
Range	Order No.
0 - 150mm	573-661
0 - 150mm	573-662*

Accuracy

±0.05mm

±0.05mm

*without thumb roller

Metric	Digital model
Range	Order No.
0 - 150mm	536-161

Accuracy

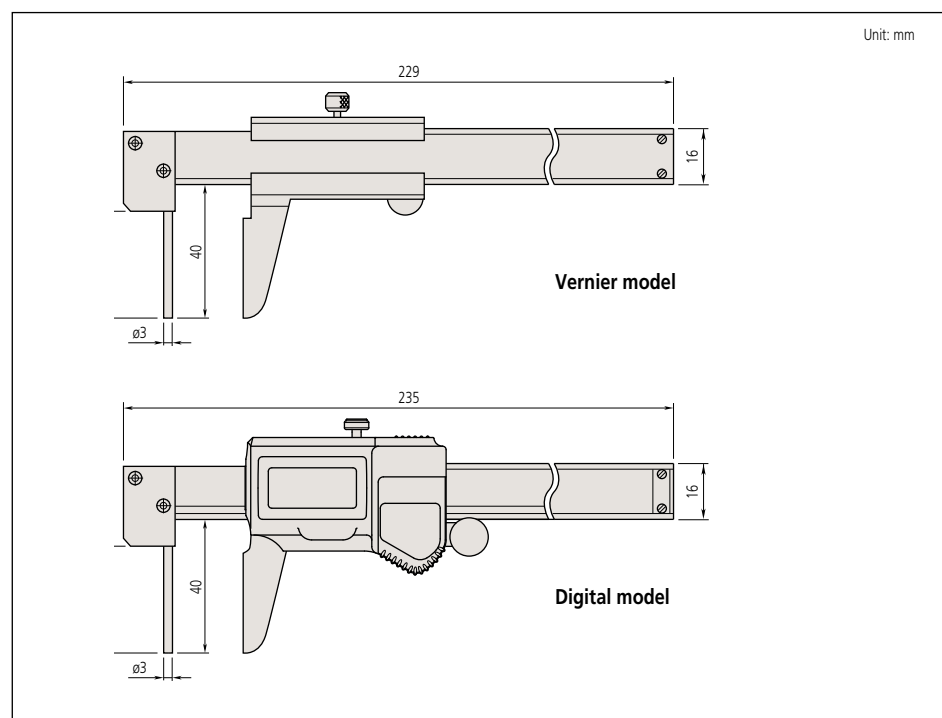
±0.05mm

Inch/Metric	Digital model
Range	Order No.
0 - 6"	573-761

Accuracy

±.002"

DIMENSION



Unit: mm

Vernier model

Digital model



(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction
linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), 938882
Battery life*: Approx. 3 years under normal use
Dust/Water protection level*: IP67
*Digital models **Analog models

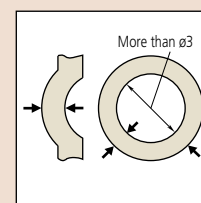
Function of Digital Model

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory for Digital Model

05CZA624: SPC cable with data switch (1m)

05CZA625: SPC cable with data switch (2m)

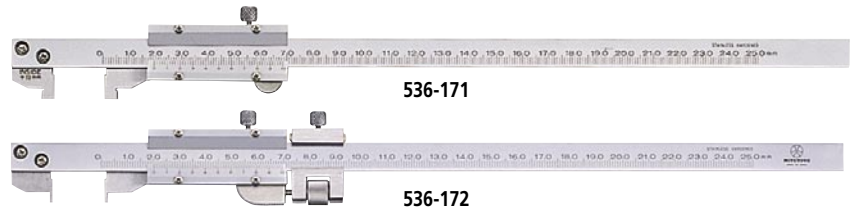


Hook Type Vernier Caliper

SERIES 536

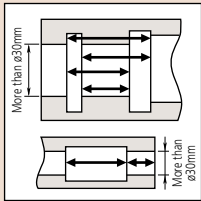
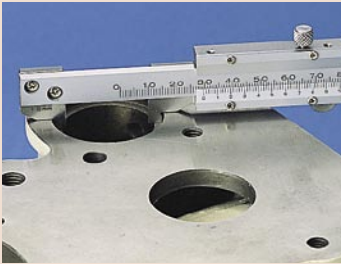
FEATURES

- Can measure width of grooves and lands inside bores and recesses.



Technical Data

Accuracy: $\pm 0.03\text{mm}$
Graduation: 0.02mm



SPECIFICATIONS

Metric

Range*	Order No.	Accuracy	Remarks
0 (10) - 200mm	536-171	$\pm 0.03\text{mm}$	—
0 (2) - 200mm	536-172	$\pm 0.03\text{mm}$	with fine adjustment

* () : Minimum dimension in ID measurement

DIMENSION

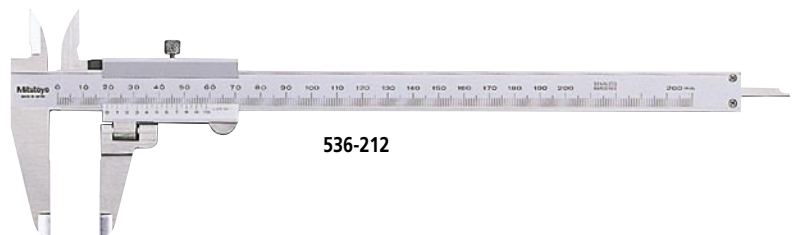
Unit: mm								
Range	L	a	b	c	d	e	f	g
536-171	320	28	—	—	12	4	5	3.5
536-172	320	28	28.5	20	12	4	1	3.5

Swivel Vernier Caliper

SERIES 536 — With moving jaw type

FEATURES

- The moving jaw can be rotated to measure sectioned shafts.
- With depth bar.



SPECIFICATIONS

Metric

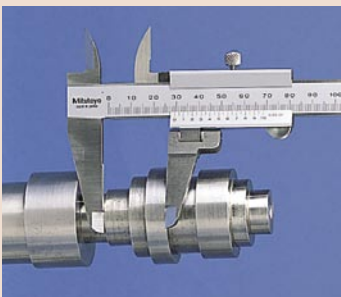
Range	Order No.	Accuracy
0 - 200mm	536-212	$\pm 0.05\text{mm}$

DIMENSION

Unit: mm								
91	14.5	288	50	42	16			

Technical Data

Accuracy: $\pm 0.05\text{mm}$
Graduation: 0.05mm

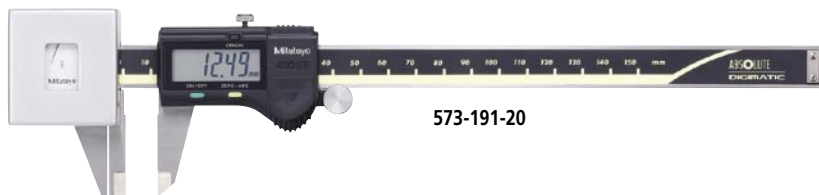


ABSOLUTE Low Force Caliper

SERIES 573

FEATURES

- Due to the low measuring force these calipers are ideal for elastic or resilient workpieces such as plastic parts and rubber parts that standard calipers cannot measure.
- With SPC data output.

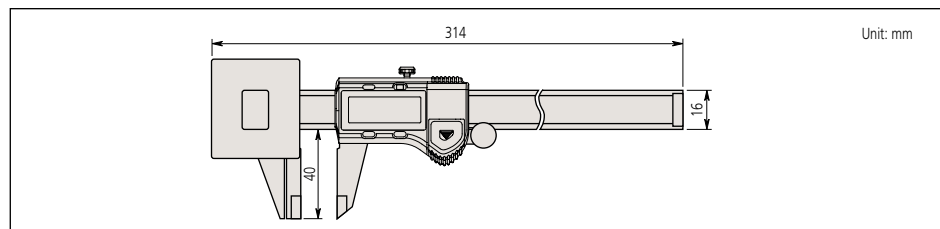


573-191-20

SPECIFICATIONS

Metric			Inch/Metric		
Range	Order No.	Accuracy	Range	Order No.	Accuracy
0 - 180mm	573-191-20	±0.05mm	0 - 7"	573-291-20	±.002"

DIMENSION

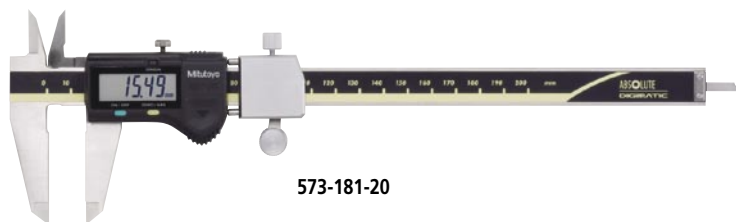


ABSOLUTE Snap Caliper

SERIES 573

FEATURES

- The ABSOLUTE Digimatic snap caliper features a spring-loaded mechanism to allow quick and efficient GO/NO-GO inspection for mass production parts..
- With SPC data output.

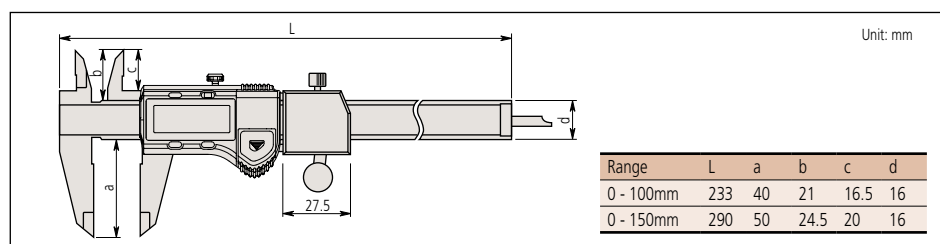


573-181-20

SPECIFICATIONS

Metric			Inch/Metric		
Range	Order No.	Accuracy	Range	Order No.	Accuracy
0 - 100mm	573-181-20	±0.02mm	0 - 4"	573-281-20	±.001"
0 - 150mm	573-182-20	±0.02mm	0 - 6"	573-282-20	±.001"

DIMENSION



(Refer to the page 9 for details.)

Technical Data

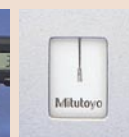
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.01mm or .0005"/0.01mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance type linear encoder
Measuring force: 0.49N to 0.98N (50gf to 100gf)
Jaw retraction: 0.3mm
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 3.5 years under normal use

Function

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

- 959143:** Data hold unit
- 959149:** SPC cable with data switch (1m)
- 959150:** SPC cable with data switch (2m)



To measure resilient workpieces take the measurement when the pointer is between the two index lines.

Measurement procedures



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.01mm or .0005"/0.01mm
Repeatability: 0.01mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance type linear encoder
Measuring force: 7N to 14N (700gf to 1400gf)
Jaw retraction: 2mm
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 3.5 years under normal use

Function

Origin-set, Zero-setting, Automatic power on/off, Data output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

- 959143:** Data hold unit
- 959149:** SPC cable with data switch (1m)
- 959150:** SPC cable with data switch (2m)





(Refer to the page 9 for details.)



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.05mm
Display*: LCD
Length standard*: ABSOLUTE electromagnetic induction
linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
(1 year: over 300mm model)
Dust/Water protection level*: IP67
*Digital models **Analog models

Function

Origin-set, Zero-setting, Automatic power on/off, Data
output, inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessory

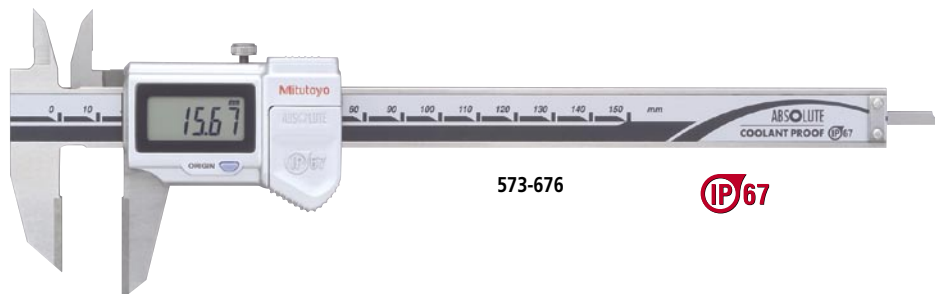
05CZA624: SPC cable with data switch (1m)
05CZA625: SPC cable with data switch (2m)

Scribing Caliper

SERIES 573, 536 — ABSOLUTE Digimatic and vernier type

FEATURES

- The carbide-tipped jaws facilitate fine scribing on workpiece.
- With depth bar.
- With SPC data output. (series 573)

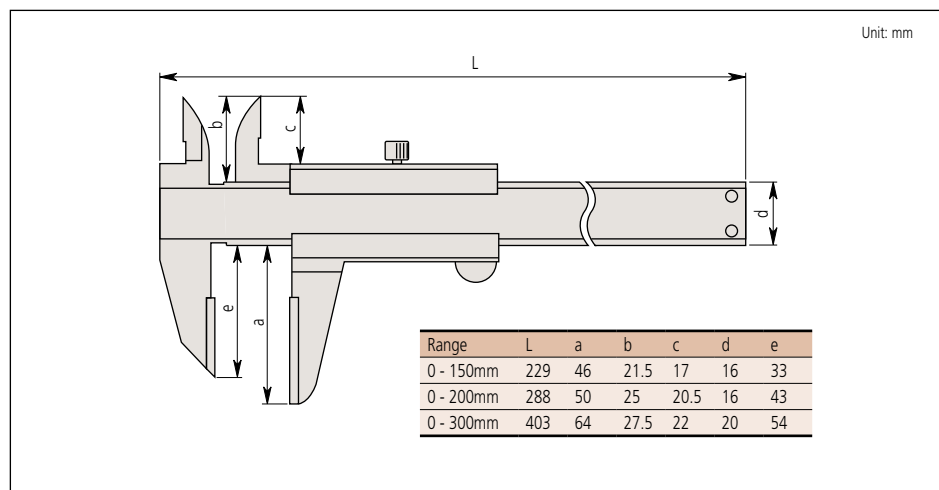


SPECIFICATIONS

Metric	Digital model	
Range	Order No.	Accuracy
0 - 150mm	573-676	±0.02mm
0 - 200mm	573-677	±0.02mm
0 - 300mm	573-679	±0.03mm

Metric		
Range	Order No.	Accuracy
0 - 150mm	536-221	±0.05mm
0 - 200mm	536-222	±0.05mm
0 - 300mm	536-223	±0.08mm

DIMENSION

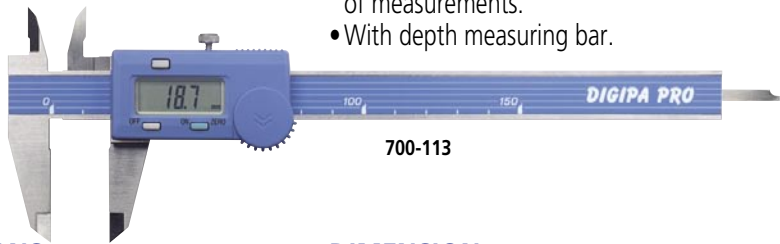


MyCAL-Lite

SERIES 700 — Digital Caliper for DIY

FEATURES

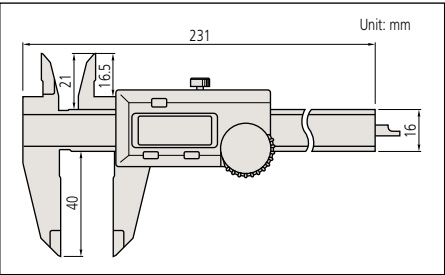
- The “MyCAL-Lite” is an ideal measuring tool for DIY.
- The LCD screen allows error-free readout of measurements.
- With depth measuring bar.



SPECIFICATIONS

Inch/Metric		
Range	Order No.	Accuracy
0 - 6"	700-113	±.005"

DIMENSION



Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.1mm
Display: LCD
Length standard: Electrostatic capacitance type linear encoder
Max. response speed: 1800mm/s
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 2 years under normal use

Function

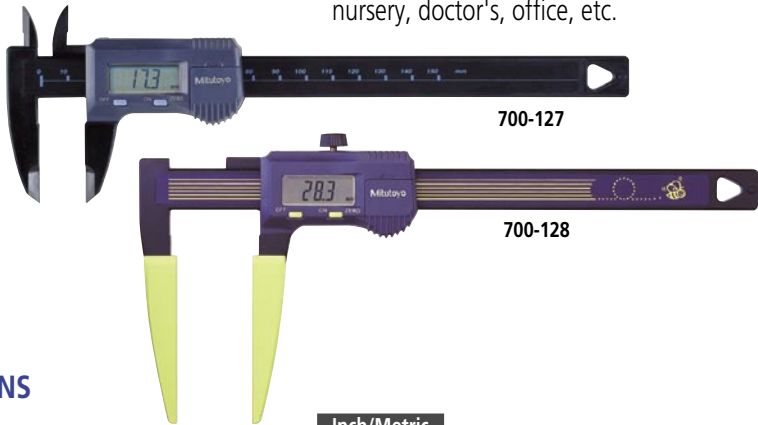
Zero-setting, Power on/off
Alarm: Low voltage, Counting value composition error

Plastic Caliper

SERIES 700 — Digital Caliper for DIY

FEATURES

- Plastic construction for durable and lightweight use.
- Also ideal for use in Lab, wood-shop, nursery, doctor's, office, etc.



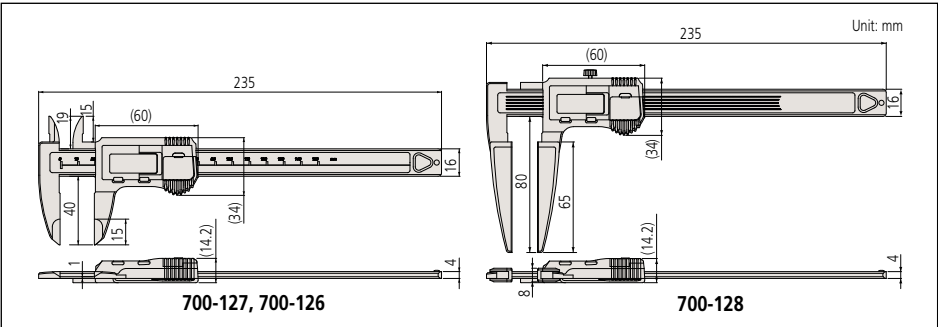
SPECIFICATIONS

Metric		
Range	Order No.	Accuracy
0 - 150mm	700-127	±0.2mm
0 - 150mm	700-128*	±0.5mm

*Deep throat type without inside measuring jaws.

Inch/Metric		
Range	Order No.	Accuracy
0 - 6"	700-126	±.008"

DIMENSION



Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.1mm or .001"/0.1mm
Display: LCD
Length standard: Electrostatic capacitance type linear encoder
Max. response speed: 1800mm/s
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 2 years under normal use

Function

Zero-setting, Power on/off
Alarm: Low voltage, Counting value composition error

