

CALIPERS HEIGHT GAUGES DEPTH GAUGES



Calipers



Height Gauges



Depth Gauges



Contents

Calipers

Solar SuperCaliper	D-03
Coolant Proof Caliper	D-05
Standard Caliper	D-07
Long Beam Caliper	D-09
Solar Caliper	D-10
Vernier Caliper	D-11
Vernier Thumbwheel Caliper	D-13
Vernier Thumb Clamp Caliper	D-14
Nib Jaw Caliper	D-15
Nib/Standard Jaw Caliper	D-16
Carbon Fibre Caliper	D-17
Long Jaw Carbon Fibre Caliper	D-19
Ceramic Jaw Carbon Fibre Caliper	D-20
Interchangeable Jaw Carbon Fibre Caliper	D-21
Vernier Nib Jaw Thumbwheel Caliper	D-23
Vernier Long Jaw Thumbwheel Caliper	D-24
Dial Caliper	D-25
Offset Jaw Calipers	D-26
Offset Centreline Calipers	D-27
Back Jaw Centreline Caliper	D-28
Point Calipers	D-29
Blade Calipers	D-30
Knife Edge Inside Calipers	D-31
Inside Groove Calipers	D-32
Point Jaw Inside Calipers	D-33
Neck Jaw Calipers	D-34
Tube Thickness Calipers	D-35
Vernier Hook Jaw Caliper	D-36
Vernier Moving Jaw Caliper	D-37
Low Force Caliper	D-38
Snap Caliper	D-39

Height Gauges

Vernier Adjustable Scale Height Gauge	D-40
Ergonomic Height Gauge	D-41
Height Gauge	D-42
Double Column Height Gauge	D-43
Multifunction Height Gauge	D-45
Optional Accessories	D-47
Linear Height 2D Measurement System	D-49
QM-Height High Precision Height Gauge	D-51

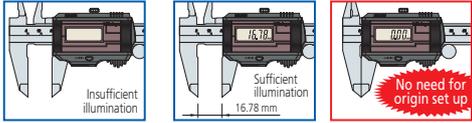
Depth Gauges

Interchangeable Rod Depth Micrometers	D-53
Depth Micrometer	D-55
Depth Gauges	D-56
Hook End Depth Gauge	D-59
Dial Fine Adjustment Depth Gauge	D-60
Depth Gauges	D-61
Optional Accessories	D-63

Calipers

SERIES 500 – ABSOLUTE Digimatic Coolant Proof Solar SuperCaliper

- Top-of-the-line digital caliper. Solar type caliper with no battery and IP67 protection assures waterproof reliability.
- With no annoying origin restoration necessary, a measurement can be started any time and there is no restriction on operating speed.



- Slider operation is smooth and comfortable.
- The impact resistance of the display unit has been increased for improved usability in workshop conditions.
- Waterproof design makes this SuperCaliper suitable for use in an environment containing large amounts of cutting fluid or coolant.
- 100% inspection by air leak test is performed to ensure quality and reliability.
- This SuperCaliper uses components that do not contain harmful substances and is compatible with RoHS Directives.

- SPC data output models can be integrated into statistical process control and measurement systems.

ABSOLUTE

IP67



SOLAR



500-784

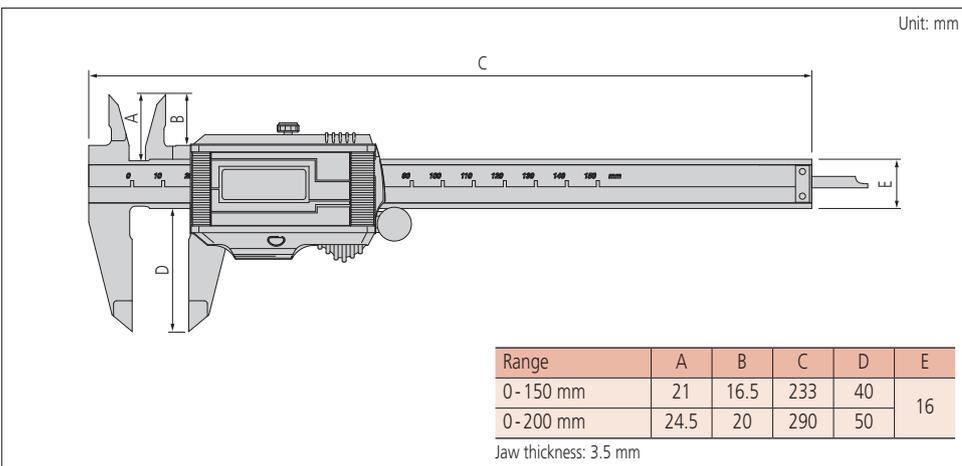
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*1	Mass	Price
With SPC data output					
500-786	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm	180 g	£242.00
500-787	0 - 200 mm (0 - 8")			210 g	£275.00
Without SPC data output					
500-784	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm	180 g	£180.00
500-785	0 - 200 mm (0 - 8")			210 g	£235.00

*1 Excluding quantizing error.

Dimensions



Technical Data

Repeatability:	0.01 mm
Quantizing error:	±1 count
Dust/water protection level:	IP67*2
Power supply:	Solar cell*3
Scale type:	ABSOLUTE electromagnetic induction linear encoder

Max. response speed: Unlimited

*2 Rustproofing treatment to be applied after use.

*3 Can be used continuously above 60 lux ambient illumination.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Inch/mm selection:

Switches the units of measurement (at any time).

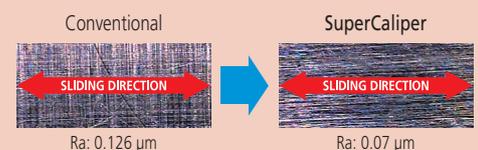
Alerts:

If the ambient illumination and the stored charge voltage are insufficient an error message is displayed and measurement stops. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.



Smooth slider movement makes for comfortable operation.

High quality guide surface finish for smooth slider movement.



Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



About the charge function

The minimum illumination required in the uncharged state is 60 lux.

As shown in the table at right, this SuperCaliper can be used with confidence in a normal work environment.

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

In the fully charged state this SuperCaliper can operate for approximately one hour in an environment of 50 lux illumination (less than the minimum necessary illumination intensity).

The time necessary for full charge varies according to the charging conditions. If the SuperCaliper is left unused in an illumination of 500 lux (usual for manufacturing environments), it takes approximately one hour to reach full charge.

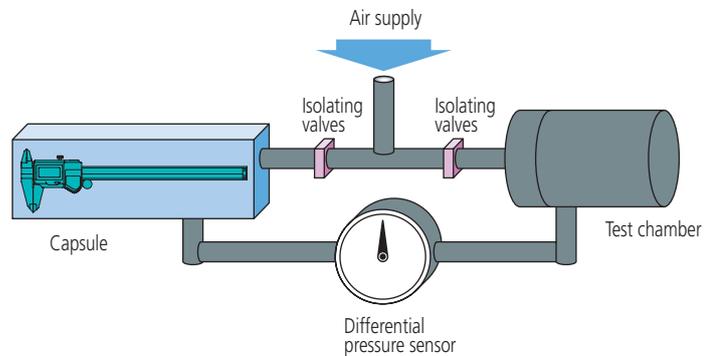
Illumination (lx)	Site (possible operations)
1500	
1000	Design room, drafting room (Fine visual work)
750	
500	Conference room, control room (Usual manufacturing environment) (Normal visual work)
300	
200	Machine room, electric room, lecture hall (Rough visual work)
150	
100	Corridor, passage, stairs (Very rough visual work)
75	
50	Emergency staircase, warehouse (Loading, unloading work)
30	
20	

Excerpts from JIS Z 9110 Artificial Illumination Intensity Standard

Air leak test equipment for water resistance inspection

Generally, an air leak test is used for evaluating water resistance.

Procedure: Place the measuring tool inside the capsule and seal it. Then fill the capsule and the test chamber with air at the required pressure and close the isolating valves. If there is no leak in the measuring tool the differential pressure sensor will read zero because the amount of air inside the test chamber is unchanging. However, if there is a leak in the measuring tool, the differential pressure sensor will show a non-zero reading due to a decrease in pressure inside the test chamber as air leaks into the tool. By detecting this differential pressure, GO/NG judgement for the severity of the leak is performed. This air leak test is performed for all coolant proof calipers and coolant proof micrometers.



Air leak test equipment for coolant proof caliper.

Calipers

SERIES 500 – ABSOLUTE Digimatic Coolant Proof Caliper

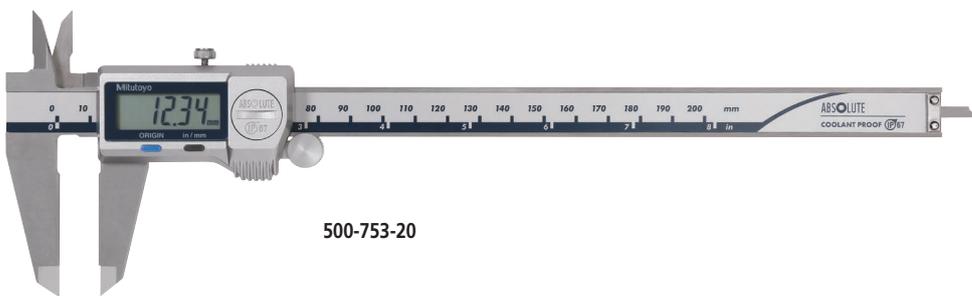
- Can be used in workshop conditions exposed to coolant, water, dust or oil. Other specifications and price are the same as the conventional products. 100% inspection by air leak test is performed to ensure quality and reliability.
- Large LCD characters make the display easy to read.
- Easy to use – advanced design styling with only 1 button.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin.
- SPC data output models can be integrated into statistical process control and measurement systems.
- Can measure outside and inside dimensions, depth, and steps.
- The automatic power-on/off function shuts down the LCD display after 20 minutes inactivity, but the ABS scale unit origin is stored. Power is restored when the slider is moved.
- A convenient interface input tool is available so that measurement data can be converted to keyboard signals and input directly to commercial spreadsheet software.
- An inspection certificate is supplied as standard. (However, this cannot be used as a calibration certificate as it is undated.)

ABSOLUTE

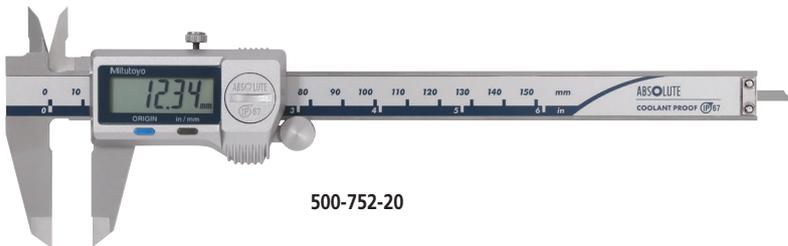
IP67



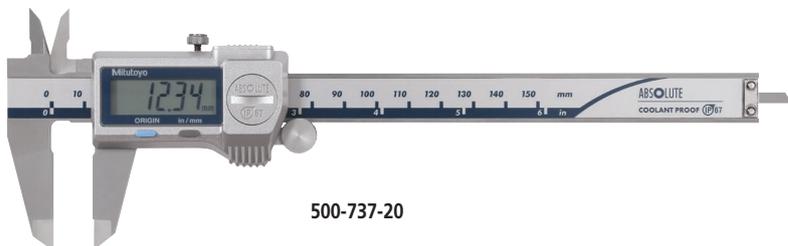
Safety
Dust- and
Water-
Protected
www.tuv.com
ID: 2011207400



500-753-20



500-752-20



500-737-20

Technical Data

Resolution:	0.01 mm (.0005")
Repeatability:	0.01 mm
Quantizing error:	Not including ± 1 count
Dust/water protection level:	IP67*
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

* Rustproofing treatment to be applied after use.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Auto ON/OFF:

The reading on the LCD disappears after this instrument is idle for a short time, but the origin point is retained. Moving the slider causes the reading on the LCD to reappear.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Inch/mm selection:

Switches the units of measurement (at any time).

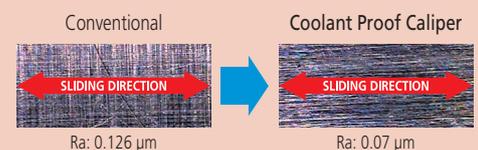
Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected. If the battery voltage drops below a certain point, the battery indicator will turn on before measurement becomes impossible, warning the user that the battery needs to be replaced. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.



Smooth slider movement makes for comfortable operation.

High quality guide surface finish for smooth slider movement.



Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Specifications

Inch/Metric				
Code No.	Range	Accuracy*	Remarks	Price
With SPC data output				
500-762-20	0-150 mm (0-6")	±0.02 mm (.001")	—	£196.00
500-735-20			Carbide-tipped jaws for outside measurement	£299.00
500-737-20			Carbide-tipped jaws for outside and inside measurement	£414.00
500-763-20	0-200 mm (0-8")	±0.02 mm (.001")	—	£276.00
500-736-20			Carbide-tipped jaws for outside measurement	£334.00
500-738-20			Carbide-tipped jaws for outside and inside measurement	£351.00
500-764-10	0-300 mm (0-12")	±0.03 mm (.0015")	—	£373.00
Without SPC data output				
500-752-20	0-150 mm (0-6")	±0.02 mm (.001")	—	£150.00
500-731-20			Carbide-tipped jaws for outside measurement	£270.00
500-733-20			Carbide-tipped jaws for outside and inside measurement	£316.00
500-753-20	0-200 mm (0-8")	±0.02 mm (.001")	—	£207.00
500-732-20			Carbide-tipped jaws for outside measurement	£299.00
500-734-20			Carbide-tipped jaws for outside and inside measurement	£334.00
500-754-10	0-300 mm (0-12")	±0.03 mm (.0015")	—	£288.00

* Excluding quantizing error.



Carbide-tipped jaws for outside measurement.



Carbide-tipped jaws for inside measurement.

Dimensions

Range	A	B	C	D	E
0-150 mm	21	16.5	233	40	16
0-200 mm	24.5	20	290	50	
0-300 mm	27.5	21.8	404	64	20

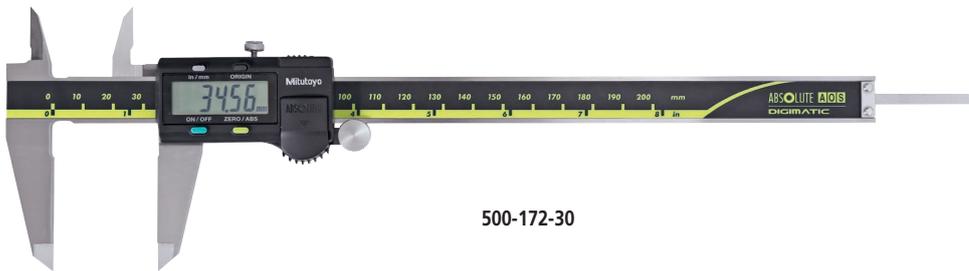
Outside jaw thickness: 3.5 mm (500-714-10: 3.8 mm)

Calipers

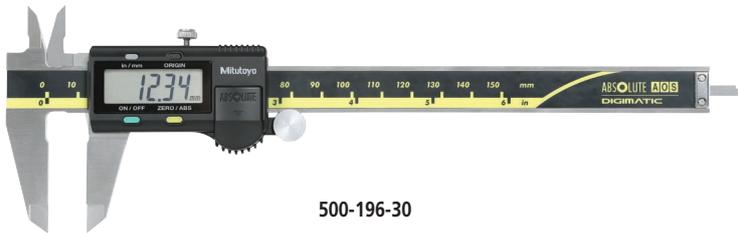
SERIES 500 – ABSOLUTE Digimatic Caliper

- The ZERO/ABS button allows the display to be Zero-Set at any slider position along the scale for comparison measurements. This button will also allow return to the absolute (ABS) mode and display of the true position from the origin (usually jaws closed point).
- Large and clear LCD readout.
- Smooth slider movement makes for comfortable operation.
- 20,000 hours battery life.
- Can measure outside and inside dimensions, depth, and steps.
- Carbide-tipped jaw calipers give the longest life when measuring rough finished parts, castings, grinding wheels, etc.
- Data output function allows integration into statistical process control and measurement systems.

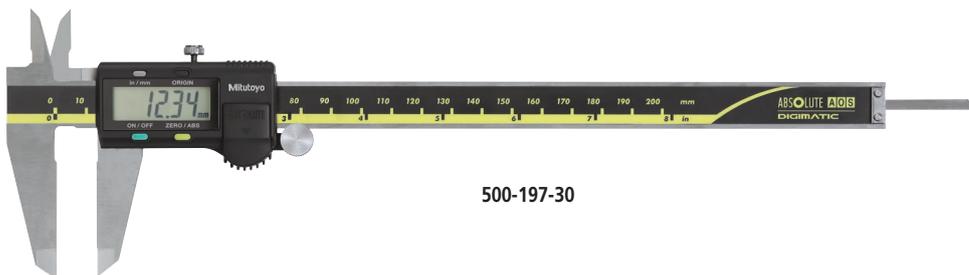
ABSOLUTE



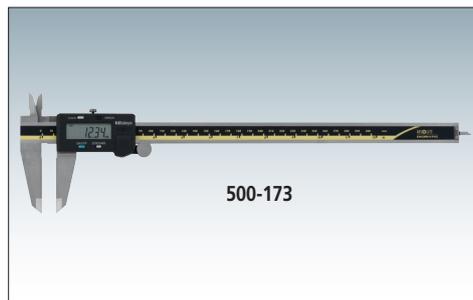
500-172-30



500-196-30



500-197-30



500-173

Technical Data

Resolution:	0.01 mm (.0005")
Repeatability:	0.01 mm
Scale type:	ABSOLUTE electrostatic linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3.5 years under normal use (20,000 hours for continuous use)

Functions

Absolute measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The Absolute origin position can be changed by the ORIGIN button.

Incremental measurement:

Display can be set to zero at any arbitrary position for comparative measurements.

Scale contamination detection:

Contamination on the surface of the scale is detected and an error message (ErrC) is displayed.

Low-voltage alert:

If the battery voltage becomes low, a "B" appears in the display to alert the user before measurement is no longer possible. A battery change advisory alert precedes this alert.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

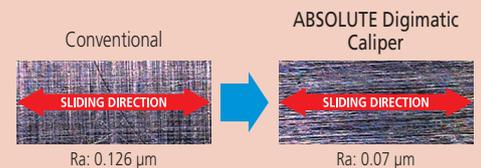
Data hold:

By using the data hold unit (option), the displayed value can be held. This cannot be used with the data output function.



Smooth slider movement makes for comfortable operation.

High quality guide surface finish for smooth slider movement.



Optional Accessories

Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60



Specifications

Inch/Metric				
Code No.	Range	Accuracy*	Remarks	Price
With SPC data output				
500-171-30	0 - 150 mm (0 - 6")	±0.02 mm (.001")	—	£160.00
500-174-30			Carbide-tipped jaws for outside measurement	£228.00
500-175-30			Carbide-tipped jaws for outside and inside measurement	£391.00
500-172-30	0 - 200 mm (0 - 8")	±0.02 mm (.001")	—	£198.00
500-176-30			Carbide-tipped jaws for outside measurement	£275.00
500-177-30			Carbide-tipped jaws for outside and inside measurement	£351.00
500-173	0 - 300 mm (0 - 12")	±0.03 mm (.0015")	—	£370.00
500-167			Carbide-tipped jaws for outside measurement	£533.00
500-168			Carbide-tipped jaws for outside and inside measurement	£641.00
Without SPC data output				
500-196-30	0 - 150 mm (0 - 6")	±0.02 mm (.001")	—	£114.00
500-159-30			Carbide-tipped jaws for outside measurement	£272.00
500-160-30			Carbide-tipped jaws for outside and inside measurement	£355.00
500-197-30	0 - 200 mm (0 - 8")	±0.02 mm (.001")	—	£164.00
500-163-30			Carbide-tipped jaws for outside measurement	£253.00
500-164-30			Carbide-tipped jaws for outside and inside measurement	£475.00
500-193	0 - 300 mm (0 - 12")	±0.03 mm (.0015")	—	£329.00
500-165			Carbide-tipped jaws for outside measurement	£472.00
500-166			Carbide-tipped jaws for outside and inside measurement	£646.00

* Excluding quantizing error.

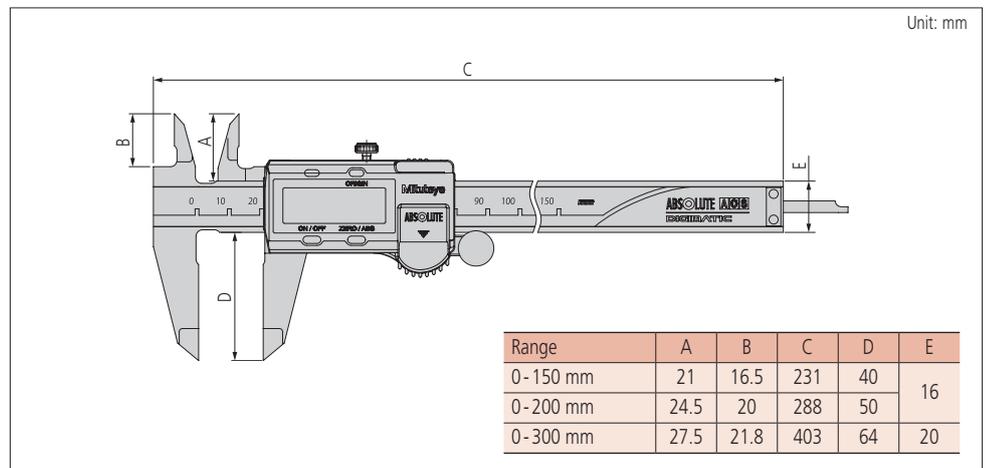


Carbide-tipped jaws for outside measurement.



Carbide-tipped jaws for inside measurement.

Dimensions



Calipers

SERIES 500 – ABSOLUTE Digimatic Long Beam Caliper

- Long Digimatic caliper incorporating Mitutoyo's ABSOLUTE scale and available with a measuring range from 450 mm to 1000 mm.
- Can measure outside and inside dimensions, depth, and steps.
- Data output function allows integration into statistical process control and measurement systems.

ABSOLUTE



500-506-10



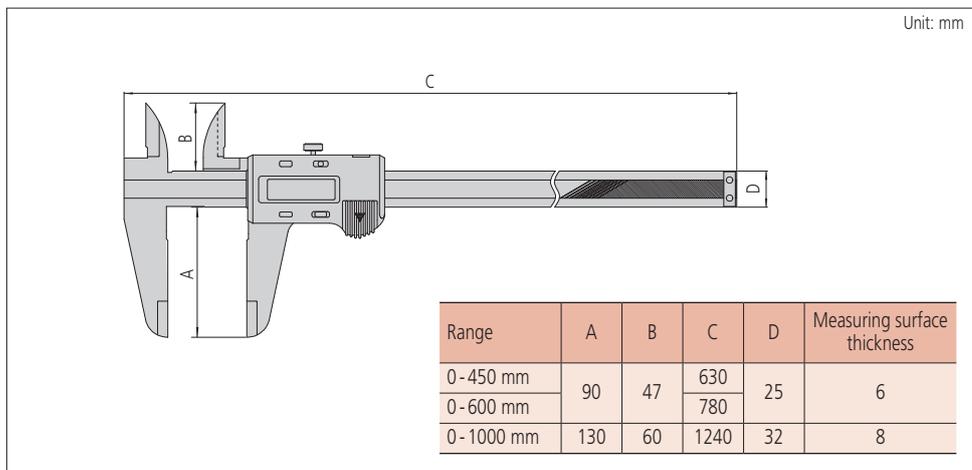
500-505-10

Specifications

Inch/Metric					
Code No.	Range	Resolution	Accuracy*	Repeatability	Price
500-505-10	0-450 mm (0-18")	0.01 mm (.0005")	±0.05 mm (±.002")	0.01 mm	£632.00
500-506-10	0-600 mm (0-24")				£684.00
500-507-10	0-1000 mm (0-40")				£1190.00

* Excluding quantizing error.

Dimensions



Technical Data

Scale type:	ABSOLUTE electrostatic linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3.5 years under normal use (20,000 hours for continuous use)

Functions

Absolute measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The Absolute origin position can be changed by the ORIGIN button.

Incremental measurement:

Display can be set to zero at any arbitrary position for comparative measurements.

Scale contamination detection:

Contamination on the surface of the scale is detected and an error message (ErrC) is displayed.

Low-voltage alert:

If the battery voltage becomes low, a "B" appears in the display to alert the user before measurement is no longer possible. A battery change advisory alert precedes this alert.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data hold unit (option), the displayed value can be held. This cannot be used with the data output function.

Optional Accessories

Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60



Technical Data

Scale type:	ABSOLUTE electrostatic linear encoder
Max. response speed:	Unlimited
Power supply:	Solar cell*2
Operational temperature:	0 to 40°C

*2 Can be used continuously above 60 lux ambient illumination

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data hold unit (option), the displayed value can be held. This cannot be used with the data output function.

Inch/mm selection:

Switches the units of measurement (at any time).

Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.

Optional Accessories*3

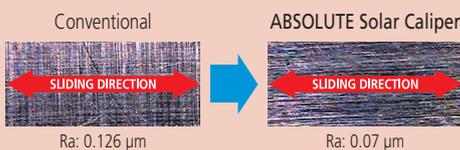
Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60

*3 Only for models with data output function



Smooth slider movement makes for comfortable operation.

High quality guide surface finish for smooth slider movement.



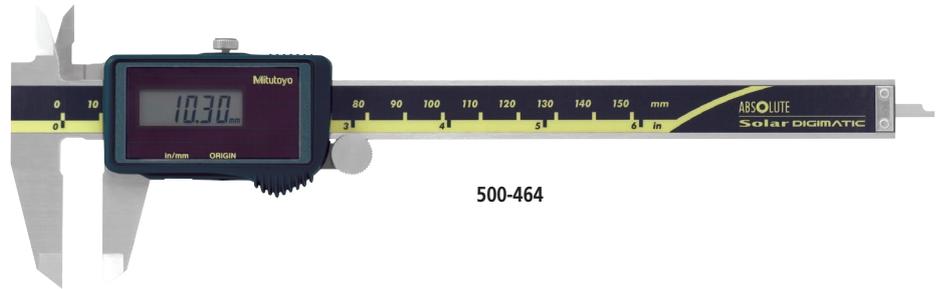
SERIES 500 – ABSOLUTE Digimatic Solar Caliper

- Mitutoyo's Absolute Solar Digimatic Caliper retains its origin point indefinitely.
- At 60 Lux and above the ABSOLUTE solar caliper is ready to start measurement. No more repeated zero setting caused by a shortage of light.
- Can measure outside and inside dimensions, depth, and steps.
- Slider operation is smooth and comfortable.
- An ABSOLUTE scale is incorporated so that zero setting is not required at each power ON. No danger of overspeed errors.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector.

ABSOLUTE



SOLAR



500-464

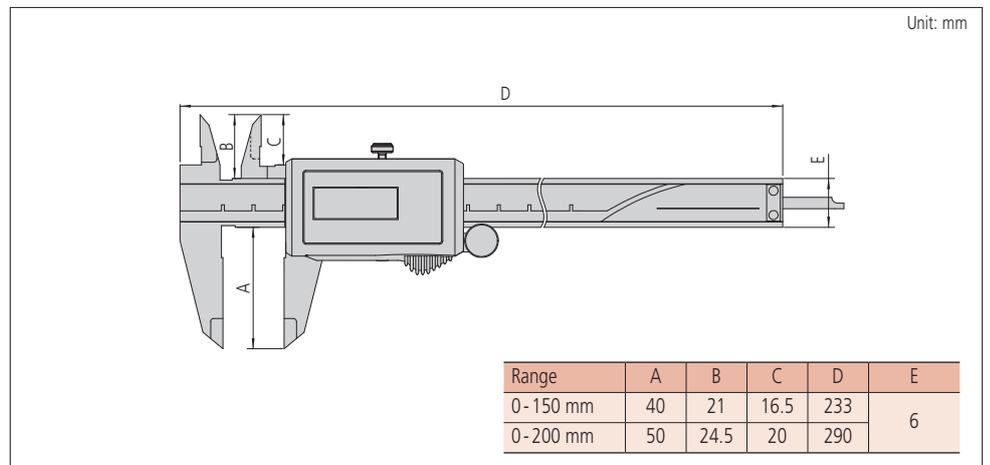
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*1	Repeatability	Price
With SPC data output					
500-464	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	0.01 mm	£232.00
500-465	0 - 200 mm (0 - 8")				£274.00
Without SPC data output					
500-474	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	0.01 mm	£165.00
500-475	0 - 200 mm (0 - 8")				£199.00

*1 Excluding quantizing error.

Dimensions

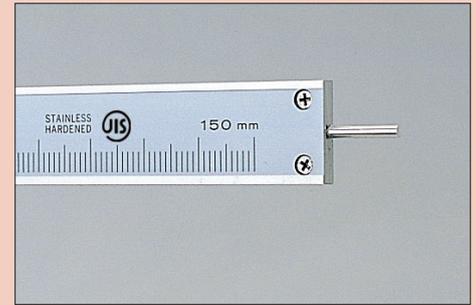


Unit: mm

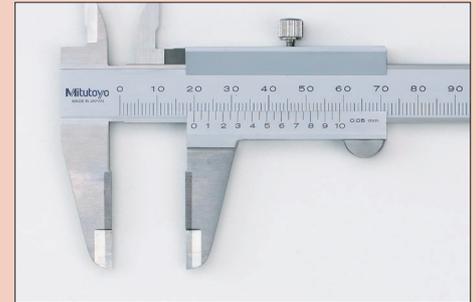
Calipers

SERIES 530 – Vernier Caliper

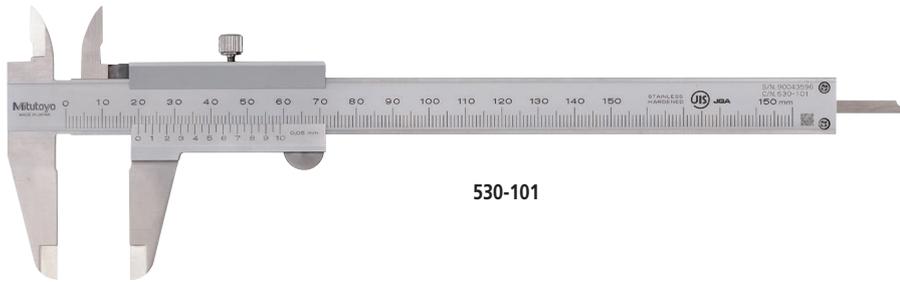
- Stepped graduation face prevents dust ingress between the main scale and slider.
- The small vernier face angle (14°) provides easy reading.
- Can measure outside and inside dimensions, depth, and steps.
- Carbide-tipped jaw calipers give the longest life when measuring rough finished parts, castings,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



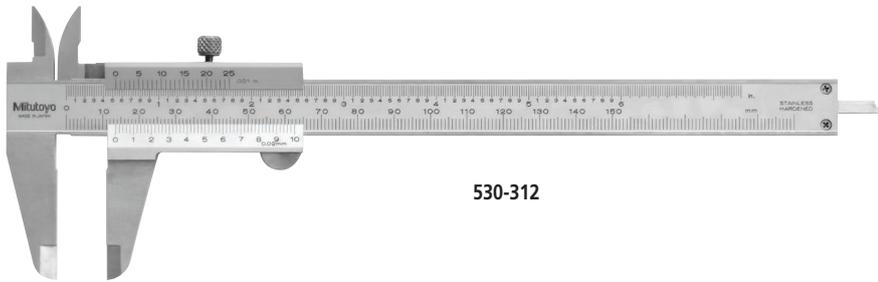
530-102 (Round rod depth bar type).



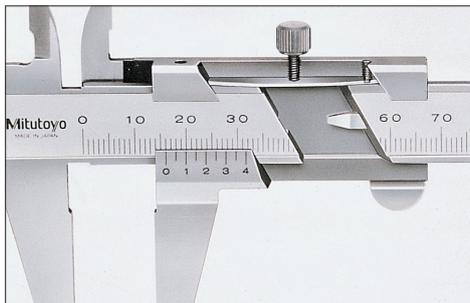
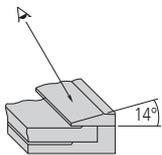
530-320 (Carbide-tipped jaw type).



530-101

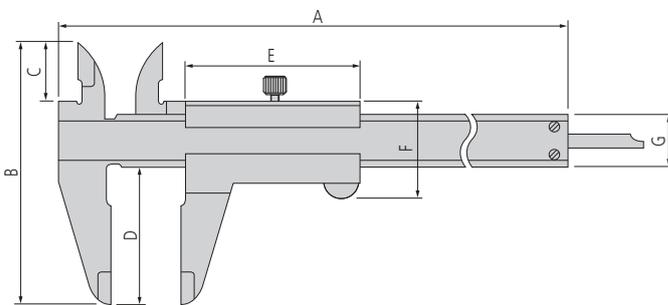


530-312



Dimensions

Unit: mm



Range	A	B	C	D	E	F	G	Outside jaw thickness
0-100 mm	182	77.5	17	40	53.5	30	16	3
0-150 mm	229							
0-200 mm	288	91	20.5	50				
0-300 mm	404	111.5	22	64	66.5	36	20	3.8
0-600 mm	780	162	38	90	89	50	25	6
0-1000 mm	1240	222	50	130	111	61	32	8

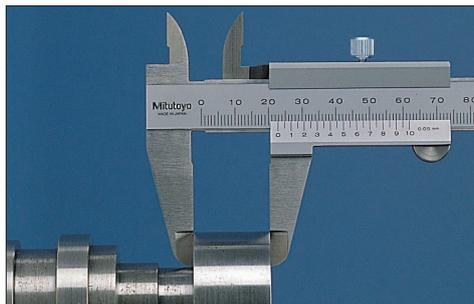
Note: Code No. 530-102 incorporates a round rod depth bar (ø1.9 mm). The depth bar shown above is a blade type.

Specifications

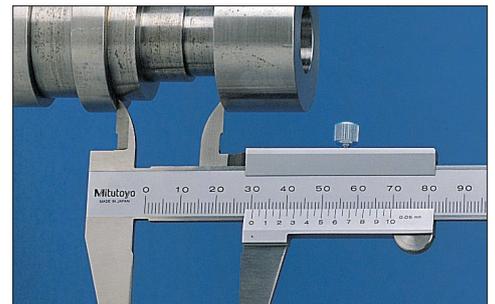
Metric						
Code No.	Range	Accuracy	Graduation	Depth bar	Remarks	Price
530-102	0 - 150 mm	±0.05 mm	0.05 mm	ø1.9 mm rod	—	£50.10
530-101				—	£34.40	
530-320				Carbide-tipped jaws for outside measurement	£109.00	
530-108	0 - 200 mm	±0.08 mm		Blade	—	£65.50
530-321					Carbide-tipped jaws for outside measurement	£111.00
530-109					—	£182.00
530-322	0 - 300 mm	Carbide-tipped jaws for outside measurement	£288.00			
530-501	0 - 600 mm	±0.1 mm	—		—	£447.00
530-502	0 - 1000 mm	±0.15 mm	—		—	£1010.00

Inch/Metric						
Code No.	Range	Accuracy	Graduation	Depth bar	Remarks	Price
530-104	0 - 150 mm	±0.05 mm	0.05 mm (1/128")	Blade	—	£31.70
530-312	(0 - 6")	±0.03 mm	0.02 mm (.001")		High accuracy model	£45.60
530-118	0 - 200 mm (0 - 8")	±0.03 mm	0.02 mm (.001")		High accuracy model: ±0.03 mm	£65.50
530-115	0 - 300 mm	±0.08 mm	0.05 mm (1/128")		—	£182.00
530-119	(0 - 12")	±0.04 mm	0.02 mm (.001")		High accuracy model: ±0.04 mm	£182.00

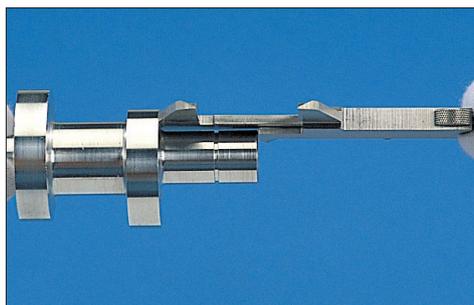
Measurement Applications



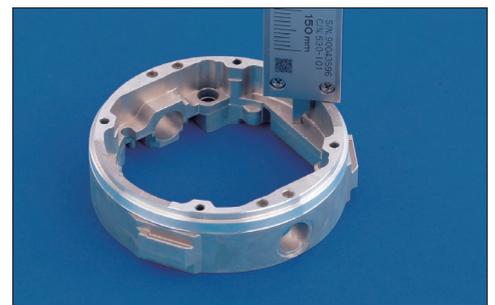
Outside measurement.



Inside measurement.



Step measurement.

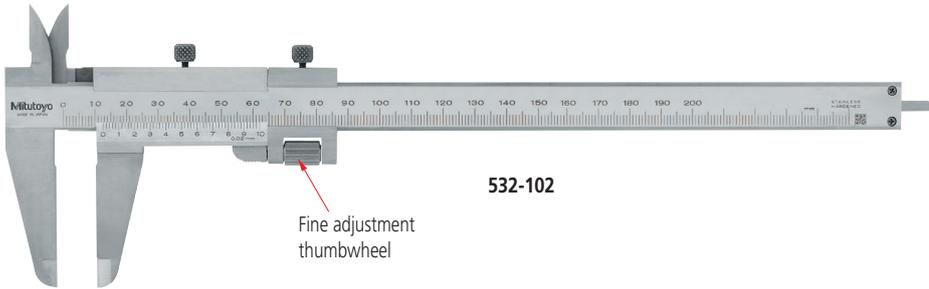


Depth measurement.

Calipers

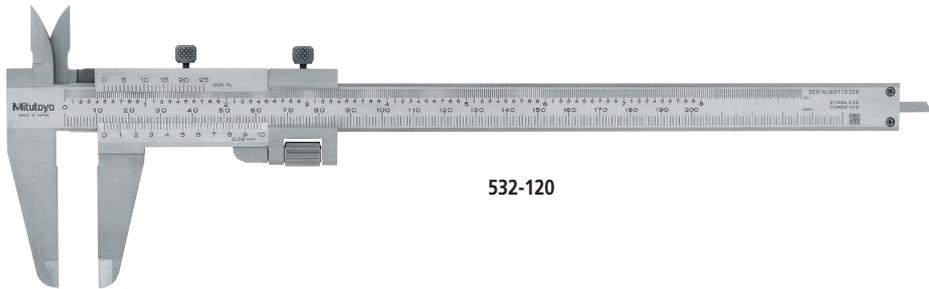
SERIES 532 – Vernier Thumbwheel Caliper

- Fine-adjustment thumbwheel aids slider positioning.
- Can measure outside and inside dimensions, depth, and steps.



532-102

Fine adjustment thumbwheel



532-120

Specifications

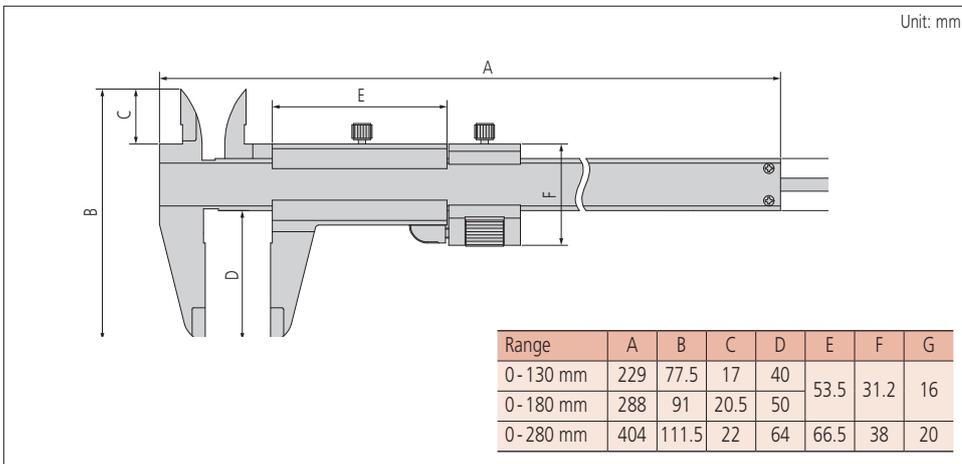
Metric

Code No.	Range	Accuracy	Graduation	Price
532-101	0 - 130 mm	±0.03 mm	0.02 mm	£69.00
532-102	0 - 180 mm			£92.00
532-103	0 - 280 mm	±0.04 mm		£197.00

Inch/Metric

Code No.	Range	Accuracy	Graduation	Price
532-119	0 - 130 mm (0 - 5")	±0.03 mm	0.02 mm (.001")	£69.00
532-120	0 - 180 mm (0 - 7")			£92.00
532-121	0 - 280 mm (0 - 11")	±0.04 mm		£197.00

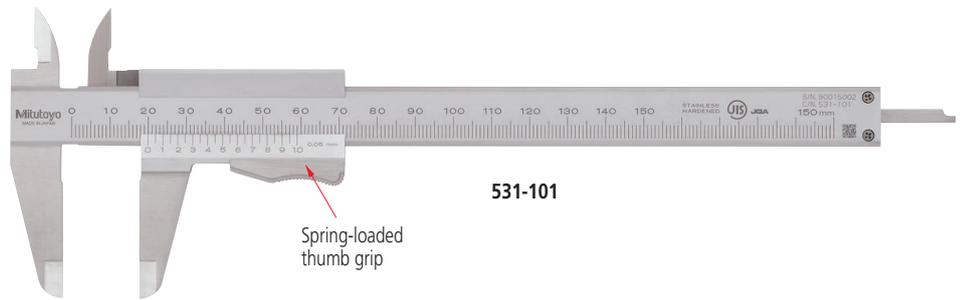
Dimensions



Calipers

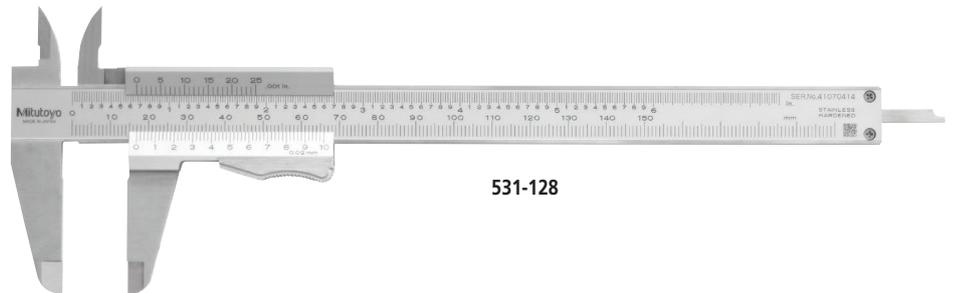
SERIES 531 – Vernier Thumb Clamp Caliper

- The slider moves only when the spring-loaded thumb clamp is depressed.
- Can measure outside and inside dimensions, depth, and steps.



531-101

Spring-loaded thumb grip

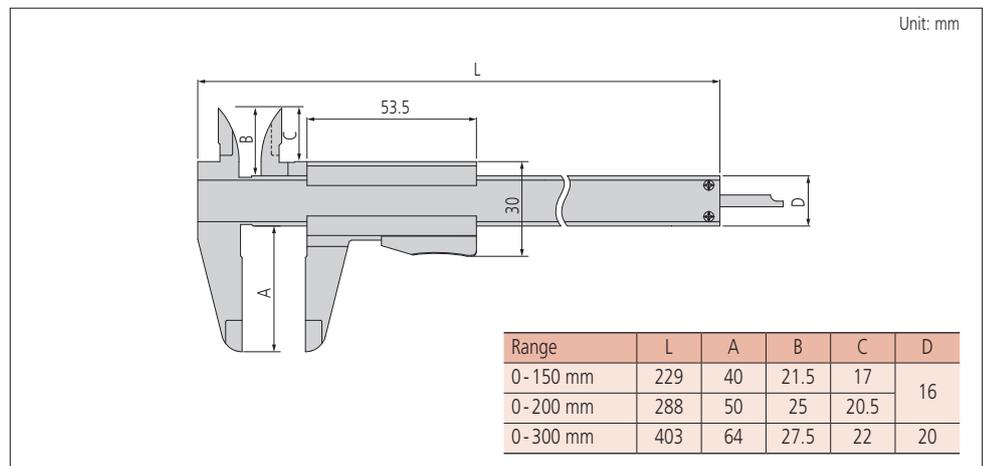


531-128

Specifications

Metric					
Code No.	Range	Accuracy	Graduation	Remarks	Price
531-101	0 - 150 mm	±0.05 mm	0.05 mm	—	£53.60
531-102	0 - 200 mm				£76.50
531-103	0 - 300 mm				£187.00
Inch/Metric					
Code No.	Range	Accuracy	Graduation	Remarks	Price
531-128	0 - 150 mm (0 - 6")	±0.03 mm	0.02 mm (.001")	High accuracy model	£47.50
531-129	0 - 200 mm (0 - 8")				£70.40
531-112	0 - 300 mm (0 - 12")				£182.00

Dimensions



Calipers

SERIES 550 – ABSOLUTE Digimatic Nib Jaw Caliper

- Offers a resolution of 0.01 mm with corresponding accuracy.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin after switching on.
- Models **550-311-10** and **550-341-10** are IP67 rated.
- Data output function allows integration into statistical process control and measurement systems.
- OFFSET button automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly (**550-311-10** and **550-341-10**). Preset function enables an arbitrary reference value to be added to the measured value for comparison measurements (**550-341-10**).



550-311-10



550-223-10

Specifications

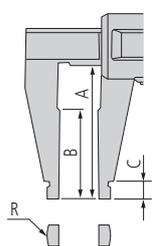
Inch/Metric				
Code No.	Range*1	Accuracy*2	Remarks	Price
550-311-10	0 - 200 mm / 0 - 8" (10 - 210 mm / .4 - 8.4")	±0.03 mm / ±.0015"	IP67, with offset function for easy inside measurement	£260.00
550-341-10	0 - 300 mm / 0 - 12" (10 - 310 mm / .4 - 12.4")	±0.05 mm / ±.002"	IP67, with offset/preset functions for easy inside and comparison measurement	£399.00
550-223-10	0 - 450 mm / 0 - 18" (20 - 470 mm / .5 - 18.5")		—	£560.00
550-225-10	0 - 600 mm / 0 - 24" (20 - 620 mm / .5 - 24.5")		—	£629.00
550-227-10	0 - 1000 mm / 0 - 40" (20 - 1020 mm / 1 - 41")		±0.07 mm / ±.003"	£1180.00

*1 (): Inside measurement.

*2 Excluding quantizing error.

Note: Series 550 is not equipped with a depth bar.

Dimensions



Range	A	B	C	R
0 - 200 mm	60	40.5	8	5
0 - 300 mm	75	50.5	12	
0 - 450 mm	100	65	18	10
0 - 600 mm				
0 - 1000 mm	140	95	24	

Unit: mm

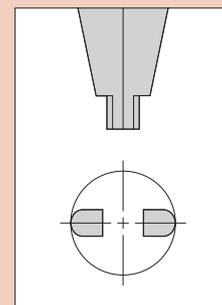
Technical Data

Resolution:	0.01 mm (.0005")
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)
Dust/water protection level:	IP67*3 (models up to 300 mm)

*3 Rustproofing treatment to be applied after use.

Optional Accessories

Code No.	Description	Price
Data cables for 550-311-10 and 550-341-10		
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00
Data cables for 550-223-10, 550-225-10 and 550-227-10		
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60



Radiused jaws for accurate ID measurement.

Technical Data

Resolution:	0.01 mm (.0005")
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

Dust/water protection level: IP67*³ (models up to 300 mm)

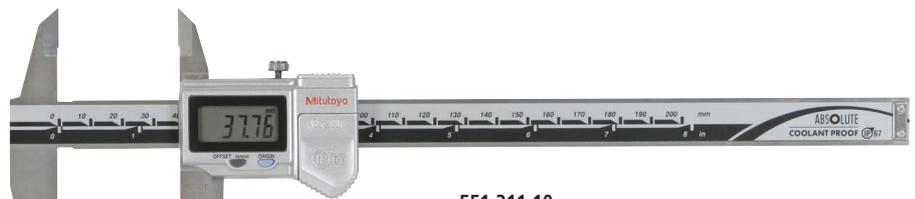
*³ Rustproofing treatment to be applied after use.

Optional Accessories

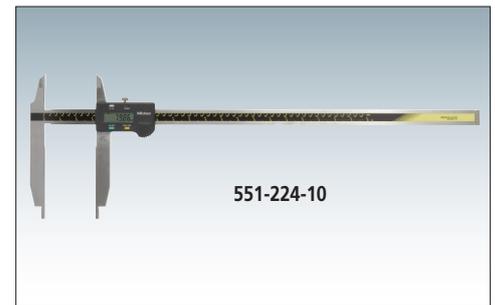
Code No.	Description	Price
Data cables for 551-311-10 and 551-341-10		
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00
Data cables for 551-224-10, 551-226-10 and 551-227-10		
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60

SERIES 551 – ABSOLUTE Digimatic Nib/Standard Jaw Caliper

- Offers a resolution of 0.01 mm with corresponding accuracy.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin after switching on.
- Data output function allows integration into statistical process control and measurement systems.
- OFFSET button automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly (**551-311-10** and **551-341-10**). Preset function enables an arbitrary reference value to be added to the measured value for comparison measurements (**551-341-10**).
- Tips of the outside measurement jaw are relieved for easy measurement of thin parts.



551-311-10



551-224-10

Specifications

Inch/Metric

Code No.	Range* ¹	Accuracy* ²	Remarks	Price
551-311-10	0 - 200 mm / 0 - 8" (10 - 210 mm / .4 - 8.4")	±0.03 mm / ±.0015"	IP67, with offset function for easy inside measurement	£307.00
551-341-10	0 - 300 mm / 0 - 12" (10 - 310 mm / .4 - 12.4")	±0.04 mm / ±.002"	IP67, with offset/preset functions for easy inside and comparison measurement	£454.00
551-224-10	0 - 500 mm / 0 - 20" (20 - 520 mm / .5 - 20.5")	±0.06 mm / ±.0025"	—	£764.00
551-226-10	0 - 750 mm / 0 - 30" (20 - 770 mm / .5 - 30.5")			£1220.00
551-227-10	0 - 1000 mm / 0 - 40" (20 - 1020 mm / 1 - 41")			£1360.00

*¹ (): Inside measurement.

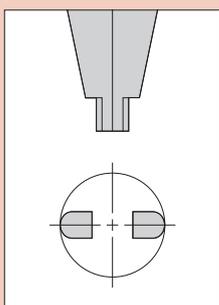
*² Excluding quantizing error.

Note: Series 550 is not equipped with a depth bar.

Dimensions

Range	A	B	C	D
0 - 200 mm	60	43	8	30
0 - 300 mm	90	68	10	40.1
0 - 500 mm	150	115	15	56
0 - 750 mm			20	
0 - 1000 mm			20	

Unit: mm



Radiused jaws for accurate ID measurement.

Calipers

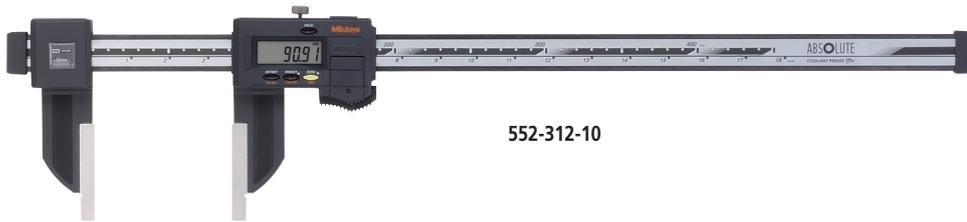
SERIES 552 – ABSOLUTE Digimatic Coolant Proof Carbon Fibre Caliper

- A lightweight Digimatic caliper that uses CFRP (Carbon Fibre Reinforced Plastics) in the beam and jaws.
- Interchangeable measuring jaws available as optional accessories.
- Data output function allows integration into statistical process control and measurement systems.

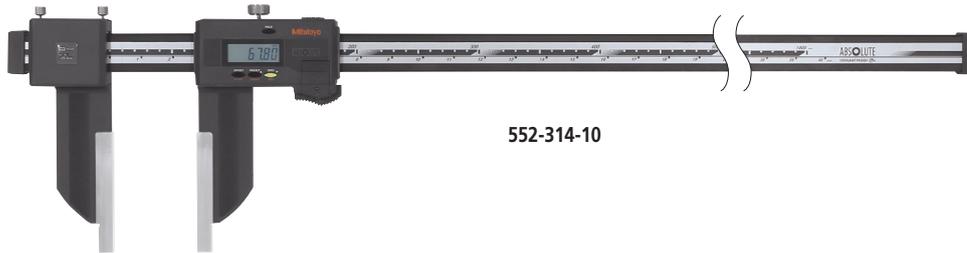
ABSOLUTE



Safety
Dust- and
Water-
Protected
www.tkv.com
ID: 0000022582



552-312-10



552-314-10

Specifications

Inch/Metric

Code No.	Range* ¹	Resolution	Accuracy* ²	Price
552-312-10	0 (20) - 450 mm / 0 (.5") - 18"	0.01 mm / .0005"	±0.04 mm / ±.002"	£838.00
552-313-10	0 (20) - 600 mm / 0 (.5") - 24"			£870.00
552-314-10	0 (20) - 1000 mm / 0 (1") - 40"		±0.05 mm / ±.003"	£1410.00
552-315-10	0 (20) - 1500 mm / 0 (1") - 60"		±0.09 mm / ±.004"	£1650.00
552-316-10	0 (20) - 2000 mm / 0 (1") - 80"		±0.12 mm / ±.005"	£2170.00

*1 (): Minimum dimension in inside measurement.

*2 Excluding quantizing error.

Technical Data

Scale type:	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* ³

*³ Rustproofing treatment to be applied after use.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Auto ON/OFF:

The reading on the LCD disappears after this instrument is idle for a short time, but the origin point is retained. Moving the slider causes the reading on the LCD to reappear.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data hold button the displayed value can be held.

Presetting (ABS INC measurement mode):

Displayed value can be set to any arbitrary value.

Offsetting:

Automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly, without calculation.

Inch/mm selection:

Switches the units of measurement (at any time).

Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected. If the battery voltage drops below a certain point, the battery indicator will turn on before measurement becomes impossible, warning the user that the battery needs to be replaced. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.

Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Optional Accessories

Code No.	Description	Suitable for	Price
914053	Clamp (1 pair)	552-312-10, 552-313-10, 552-165-10 and 552-166-10	£135.00
914054	Clamp (1 pair)	552-314-10, 552-315-10 and 552-316-10	£143.00
914055	Centre-to-Centre jaws (1 pair)	552-312-10, 552-313-10, 552-314-10, 552-315-10, 552-316-10, 552-165-10 and 552-166-10	£181.00
914057	Point jaws		£206.00

Centre-to-Centre jaws

Clamp

Point jaws

Centre-to-Centre jaws
Accuracy: ± 0.03 mm

Point jaws
Accuracy: ± 0.02 mm

Dimensions

Unit: mm

Range	A	B	C	D	E	F	G	H	J	K	L
0-450 mm	640	100	18	41.2	25	91.8	35	65	8	R10	6.35
0-600 mm	790										
0-1000 mm	1230										
0-1500 mm	1740	150	24	62.8	32	113.8	45	100	8	R10	12.7
0-2000 mm	2250										

Calipers

SERIES 552 – ABSOLUTE Digimatic Long Jaw Carbon Fibre Caliper

- A lightweight Digimatic caliper that uses CFRP (Carbon Fibre Reinforced Plastics) in the beam and jaws.
- Data output function allows integration into statistical process control and measurement systems.

ABSOLUTE

IP66



552-160-10

Specifications

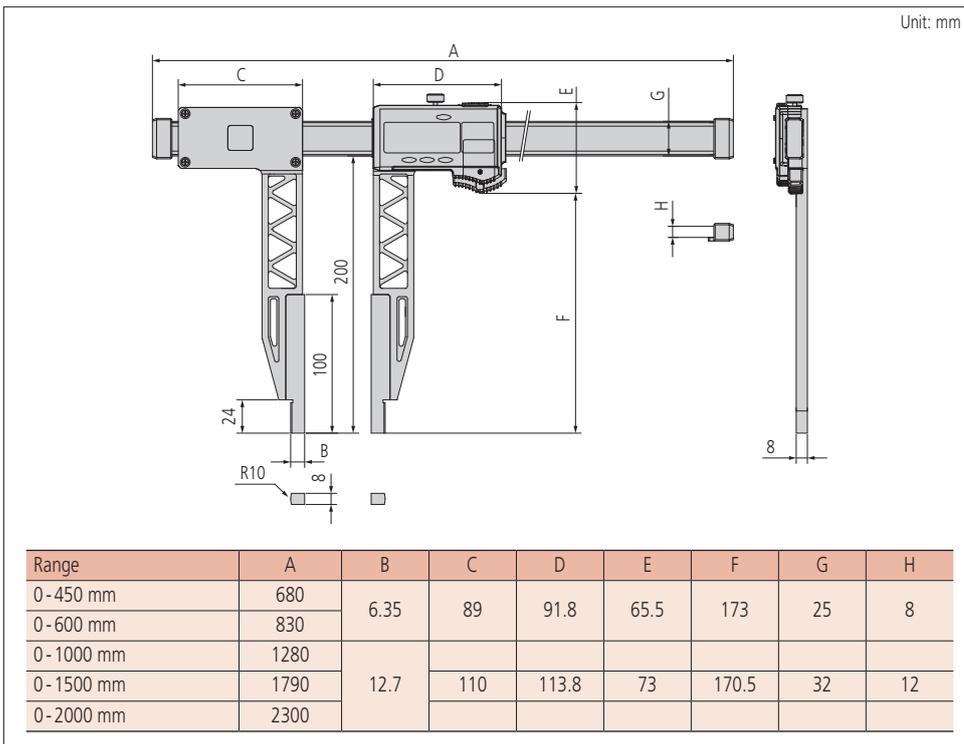
Inch/Metric

Code No.	Range* ¹	Resolution	Accuracy* ²	Price
552-160-10	0 (20) - 450 mm / 0 (.5") - 18"	0.01 mm / .0005"	±0.06 mm / ±.0025"	£1070.00
552-161-10	0 (20) - 600 mm / 0 (.5") - 24"			£1230.00
552-162-10	0 (20) - 1000 mm / 0 (1") - 40"		±0.07 mm / ±.003"	£1760.00
552-163-10	0 (20) - 1500 mm / 0 (1") - 60"		±0.11 mm / ±.0045"	£2020.00
552-164-10	0 (20) - 2000 mm / 0 (1") - 80"		±0.14 mm / ±.0055"	£2570.00

*1 () : Minimum dimension in inside measurement.

*2 Excluding quantizing error.

Dimensions



Technical Data

Scale type:	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* ³

*³ Rustproofing treatment to be applied after use.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Auto ON/OFF:

The reading on the LCD disappears after this instrument is idle for a short time, but the origin point is retained. Moving the slider causes the reading on the LCD to reappear.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data hold button the displayed value can be held.

Presetting (ABS INC measurement mode):

Displayed value can be set to any arbitrary value.

Offsetting:

Automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly, without calculation.

Inch/mm selection:

Switches the units of measurement (at any time).

Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected. If the battery voltage drops below a certain point, the battery indicator will turn on before measurement becomes impossible, warning the user that the battery needs to be replaced. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.

Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00

Technical Data

Scale type:	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*3

*3 Rustproofing treatment to be applied after use.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Auto ON/OFF:

The reading on the LCD disappears after this instrument is idle for a short time, but the origin point is retained. Moving the slider causes the reading on the LCD to reappear.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data hold unit (option), the displayed value can be held. This cannot be used with the data output function.

Presetting (ABS INC measurement mode):

Displayed value can be set to any arbitrary value.

Offsetting:

Automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly, without calculation.

Inch/mm selection:

Switches the units of measurement (at any time).

Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected.

If the battery voltage drops below a certain point, the battery indicator will turn on before measurement becomes impossible, warning the user that the battery needs to be replaced. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.

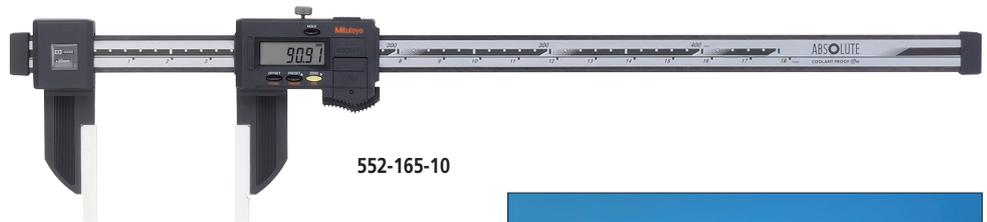
Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00
914053	Clamp (1 pair)*4	£135.00
914055	Centre-to-centre jaws (1 pair)*4	£181.00
914057	Point jaws*4	£206.00

*4 Refer to page D-18 for details.

SERIES 552 – ABSOLUTE Digimatic Coolant Proof Ceramic Jaw Carbon Fibre Caliper

- A lightweight Digimatic caliper that uses CFRP (Carbon Fibre Reinforced Plastics) in the beam and jaws.
- Rustless and nonmagnetic. Suitable for measuring magnetic components.
- Zirconia ceramic contact surfaces for high resistance to wear.
- Data output function allows integration into statistical process control and measurement systems.
- Interchangeable measuring jaws available as optional accessories.



552-165-10



Specifications

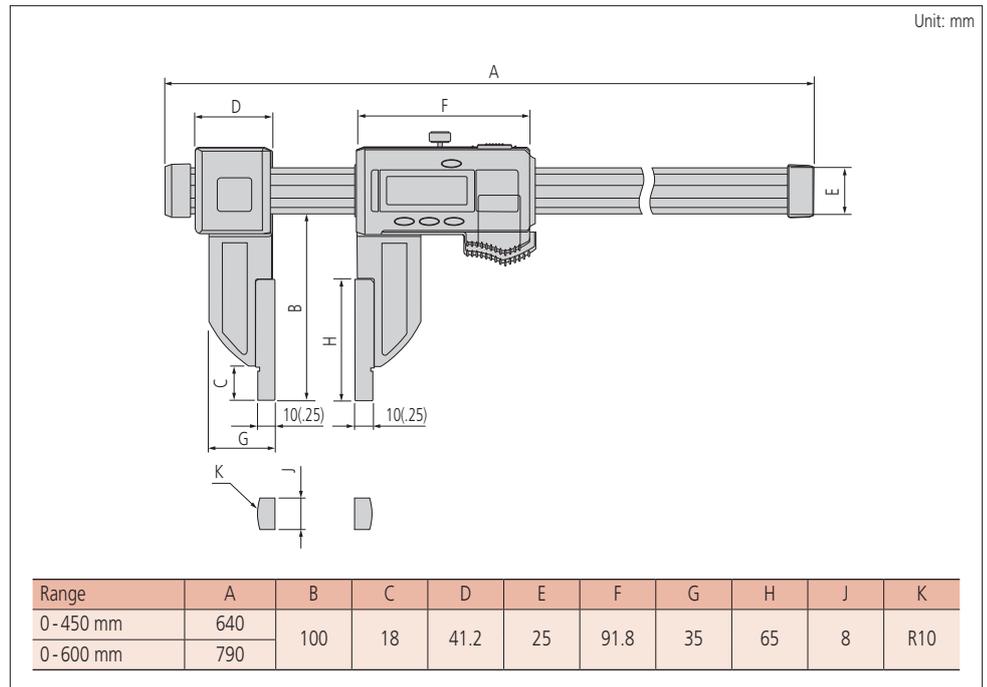
Inch/Metric

Code No.	Range*1	Resolution	Accuracy*2	Price
552-165-10	0 (20) - 450 mm / 0 (.5") - 18"	0.01 mm / .0005"	±0.04 mm / ±.002"	£1180.00
552-166-10	0 (20) - 600 mm / 0 (.5") - 24"			£1220.00

*1 (): Minimum dimension in inside measurement.

*2 Excluding quantizing error.

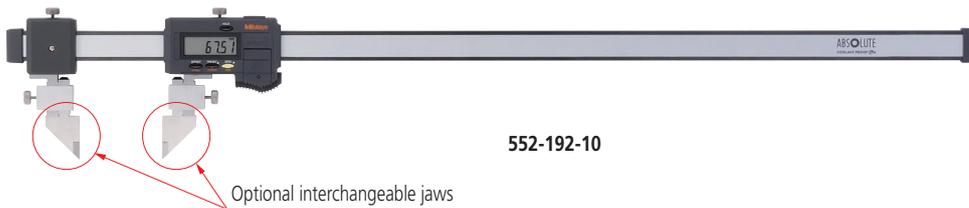
Dimensions



Calipers

SERIES 552 – ABSOLUTE Digimatic Coolant Proof Interchangeable Jaw Carbon Fibre Caliper

- A lightweight Digimatic caliper that uses CFRP (Carbon Fibre Reinforced Plastics) in the beam and jaws.
- Provided with preset function for setting a desired starting point, which allows direct readout of offset measurement.
- The range of applications can be expanded by using interchangeable jaws (optional).
- Data output function allows integration into statistical process control and measurement systems.



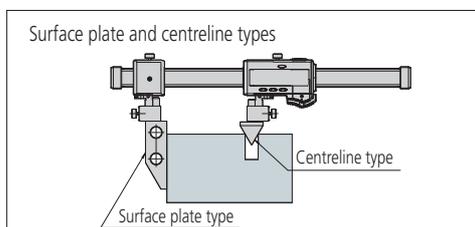
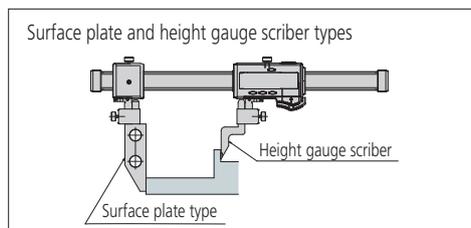
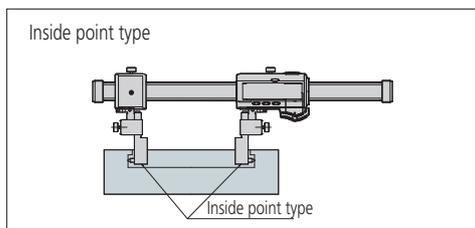
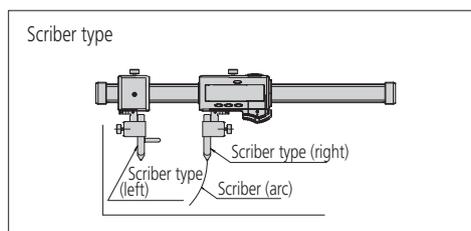
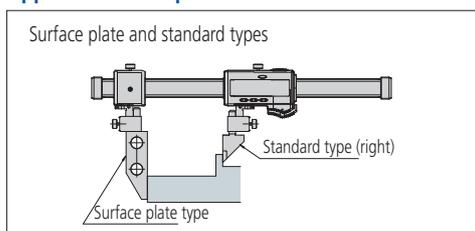
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy* ¹	Price
552-191-10	0 - 450 mm / 0 - 18"	0.01 mm / .0005"	±0.04 mm / ±.002"	£863.00
552-192-10	0 - 600 mm / 0 - 24"			£909.00
552-193-10	0 - 1000 mm / 0 - 40"			£1440.00
552-194-10	0 - 1500 mm / 0 - 60"		±0.09 mm / ±.004"	£1730.00
552-195-10	0 - 2000 mm / 0 - 80"		±0.12 mm / ±.005"	£2240.00

*1 Excluding quantizing error.

Application Examples



Technical Data

Scale type:	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* ²
Standard accessory:	Jaw clamps (2 pcs.), 05GZA033

*² Rustproofing treatment to be applied after use.

Functions

ABSOLUTE system measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The ABS (absolute) origin position can be changed by the ORIGIN button.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider for comparative measurements.

Auto ON/OFF:

The reading on the LCD disappears after this instrument is idle for a short time, but the origin point is retained. Moving the slider causes the reading on the LCD to reappear.

Data output:

Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

Data hold:

By using the data button the displayed value can be held.

Presetting (ABS INC measurement mode):

Displayed value can be set to any arbitrary value.

Offsetting:

Automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly, without calculation.

Inch/mm selection:

Switches the units of measurement (at any time).

Alerts:

In the unlikely event of a display overflow or calculation error, an error message is displayed and measurement stops. Measurement cannot continue until the error is corrected. If the battery voltage drops below a certain point, the battery indicator will turn on before measurement becomes impossible, warning the user that the battery needs to be replaced. If contamination on the surface of the scale causes a calculation error, an error message is displayed and measurement stops.

Optional Accessories

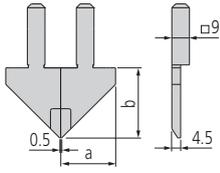
Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



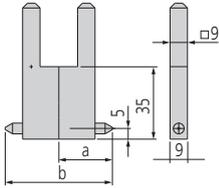
Interchangeable Jaw Dimensions

Unit: mm

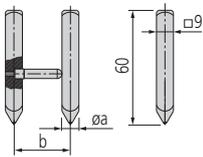
Standard type



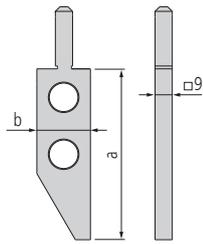
Inside point type



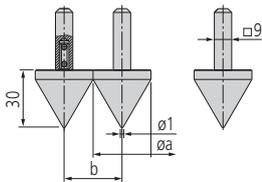
Scriber type



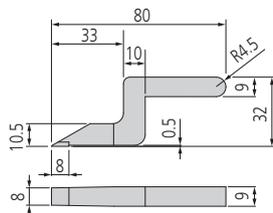
Surface plate type



Centreline type



Height gauge scriber



Interchangeable Jaw Specifications

Code No.	Components	a	b	Price
Standard type				
07CZA056*	2 pcs.	28 mm	30 mm	£232.00
Inside point type				
07CZA058*	2 pcs.	25 mm	50 mm	£271.00
07CZA059*	2 pcs.	1"	2"	£271.00
Scriber type				
07CZA055*	2 pcs.	8 mm	30 mm	£232.00
07CZA061*	2 pcs.	.031"	1.2"	£232.00

* Individual components available, price on application.

Code No.	Components	a	b	Price
Surface plate type				
07CZA044	1 pc.	90 mm	28 mm	£194.00
Centreline type				
07CZA057*	2 pcs.	30 mm	30 mm	£276.00
07CZA060*	2 pcs.	1.2"	1.2"	£276.00
Height gauge scriber type				
07GZA000	1 pc.	—	—	£40.20

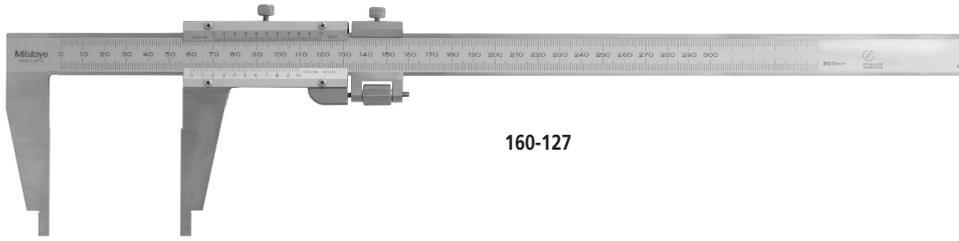
* Individual components available, price on application.

Interchangeable Jaw	Applicable calipers	Range	Accuracy when attached to the caliper
Standard type	552-191-10	0-450 mm (0-18")	±0.06 mm (±.0025")
	552-192-10	0-600 mm (0-24")	
	552-193-10	0-1000 mm (0-40")	±0.07 mm (±.0030")
	552-194-10	0-1500 mm (0-60")	±0.11 mm (±.0045")
	552-195-10	0-2000 mm (0-80")	±0.14 mm (±.0055")
Inside point type	552-191-10	Inside: 50-500 mm (2-20")	±0.09 mm (±.0035")
		Outside: 0-450 mm (0-18")	
	552-192-10	Inside: 50-650 mm (2-26")	
		Outside: 0-600 mm (0-24")	
	552-193-10	Inside: 50-1050 mm (2-42")	
Outside: 0-1000 mm (0-40")			
552-194-10	Inside: 50-1550 mm (2-62")	±0.14 mm (±.0055")	
	Outside: 0-1500 mm (0-60")		
552-195-10	Inside: 50-2050 mm (2-82")	±0.17 mm (±.0070")	
	Outside: 0-2000 mm (0-80")		
Centreline type	552-191-10	30-480 mm (1.2-19.2")	±0.08 mm (±.0030")
	552-192-10	30-630 mm (1.2-25.2")	
	552-193-10	30-1030 mm (1.2-41.2")	±0.09 mm (±.0035")
	552-194-10	30-1530 mm (1.2-61.2")	±0.13 mm (±.0055")
	552-195-10	30-2030 mm (1.2-81.2")	±0.16 mm (±.0065")
Scriber type	552-191-10	30-480 mm (1.2-19.2")	±0.10 mm (±.0040")
	552-192-10	30-630 mm (1.2-25.2")	
	552-193-10	30-1030 mm (1.2-41.2")	±0.11 mm (±.0045")
	552-194-10	30-1530 mm (1.2-61.2")	±0.15 mm (±.0060")
	552-195-10	30-2030 mm (1.2-81.2")	±0.18 mm (±.0070")
Surface plate and height gauge scriber types	552-191-10	0-450 mm (0-17.7")	±0.10 mm (±.0040")
	552-192-10	0-600 mm (0-23.7")	
	552-193-10	0-1000 mm (0-39.4")	±0.11 mm (±.0045")
	552-194-10	0-1500 mm (0-59.4")	±0.15 mm (±.0060")
	552-195-10	0-2000 mm (0-79.6")	±0.18 mm (±.0070")
Surface plate and inside point types	552-191-10	Inside: 25-475 mm (1-19")	±0.12 mm (±.0050")
		Outside: 0-450 mm (1-18")	
	552-192-10	Inside: 25-625 mm (1-25")	
		Outside: 0-600 mm (1-24")	
	552-193-10	Inside: 25-1025 mm (1-41")	
Outside: 0-1000 mm (1-40")			
552-194-10	Inside: 25-1525 mm (1-62")	±0.17 mm (±.0070")	
	Outside: 0-1500 mm (1-60")		
552-195-10	Inside: 25-2025 mm (1-81")	±0.20 mm (±.0080")	
	Outside: 0-2000 mm (1-80")		
Surface plate and centreline types	552-191-10	15-465 mm (0.6-18.6")	±0.11 mm (±.0045")
	552-192-10	15-615 mm (0.6-24.6")	
	552-193-10	15-1015 mm (0.6-40.6")	±0.12 mm (±.0050")
	552-194-10	15-1515 mm (0.6-60.6")	±0.16 mm (±.0065")
	552-195-10	15-2015 mm (0.6-80.6")	±0.19 mm (±.0075")

Calipers

SERIES 160 – Vernier Nib Jaw Thumbwheel Caliper

- Inside and outside measurements can be read directly from the upper and lower vernier scales.
- The jaws have radiused measuring faces for accurate inside diameter (ID) measurement.



160-127

Specifications

Metric

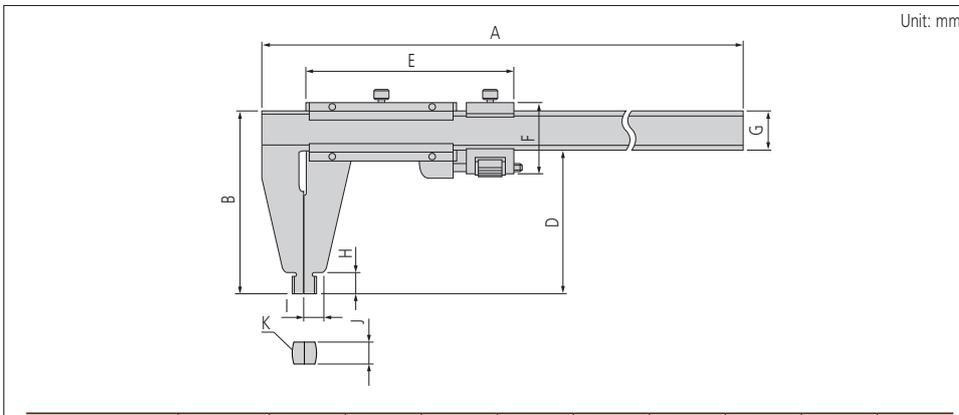
Code No.	Range*	Accuracy	Graduation	Remarks	Price
160-127	0 (10) - 300 mm	±0.04 mm	0.02 mm	—	£253.00
160-128	0 (20) - 450 mm	±0.05 mm			£383.00
160-101	0 (20) - 600 mm				£460.00
160-104	0 (20) - 1000 mm	±0.07 mm			£790.00

Inch/Metric

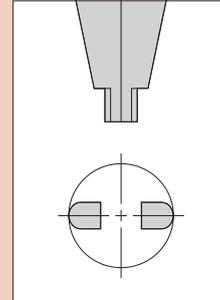
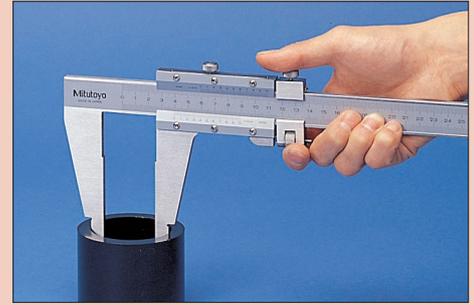
Code No.	Range*	Accuracy	Graduation	Remarks	Price
160-125	0 (10) - 300 mm / 0 (.3) - 12"	±0.04 mm / ±.0015"	0.02 mm / .001"	+ .3" / 7.62 mm to reading in inside measurement	£253.00
160-119	0 (20) - 450 mm / 0 (.5) - 18"	±0.05 mm / ±.002"		+ .5" / 12.7 mm to reading in inside measurement	£383.00
160-103	0 (20) - 600 mm / 0 (.5) - 24"			£460.00	
160-106	0 (20) - 1000 mm / 0 (1) - 40"	±0.07 mm / ±.003"		+ 1" / 25.4 mm to reading in inside measurement	£790.00
160-112	0 (20) - 1500 mm / 0 (1) - 60"	±0.1 mm / ±.004"			£1690.00
160-115	0 (20) - 2000 mm / 0 (1) - 80"	±0.12 mm / ±.005"			£2840.00

*(): Minimum measurable inside dimension.

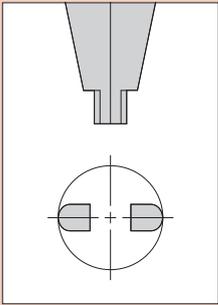
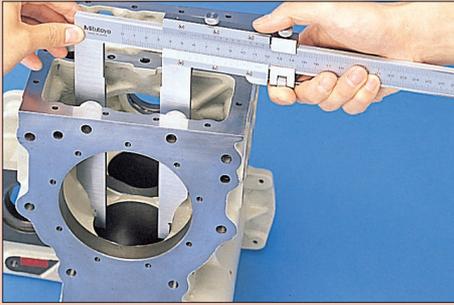
Dimensions



Range	A	B	D	E	F	G	H	I	J	K
0 - 300 mm	445	95	75	103	38	20	12	10	3.8	R5
0 - 450 mm	630	125	100	112	51	25	18	14.8	6	R10
0 - 600 mm	780		150	62.5	32	24	17	8		
0 - 1000 mm	1240	172	140	150	62.5	32	24	17		
0 - 1500 mm	1800	212	180	170					30	
0 - 2000 mm	2300	220	180	180	78	40	30	23	12	



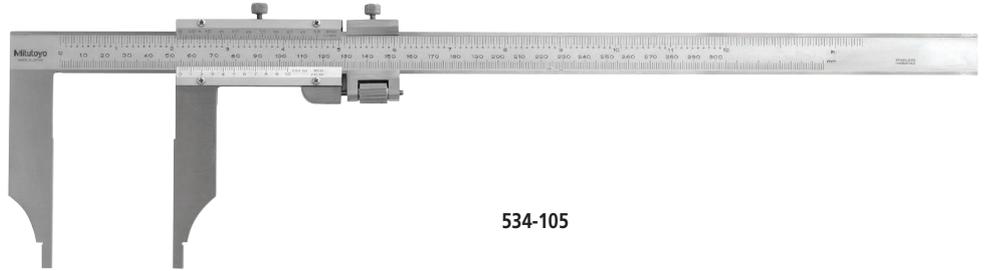
Radiused jaws for accurate ID measurement.



Radiused jaws for accurate ID measurement.

SERIES 534 – Vernier Long Jaw Thumbwheel Caliper

- Long jaws for measuring hard-to-reach workpiece features.
- Inside and outside measurements can be read directly from the upper and lower vernier scales.
- The jaws have radiused measuring faces for accurate inside diameter (ID) measurement.



534-105

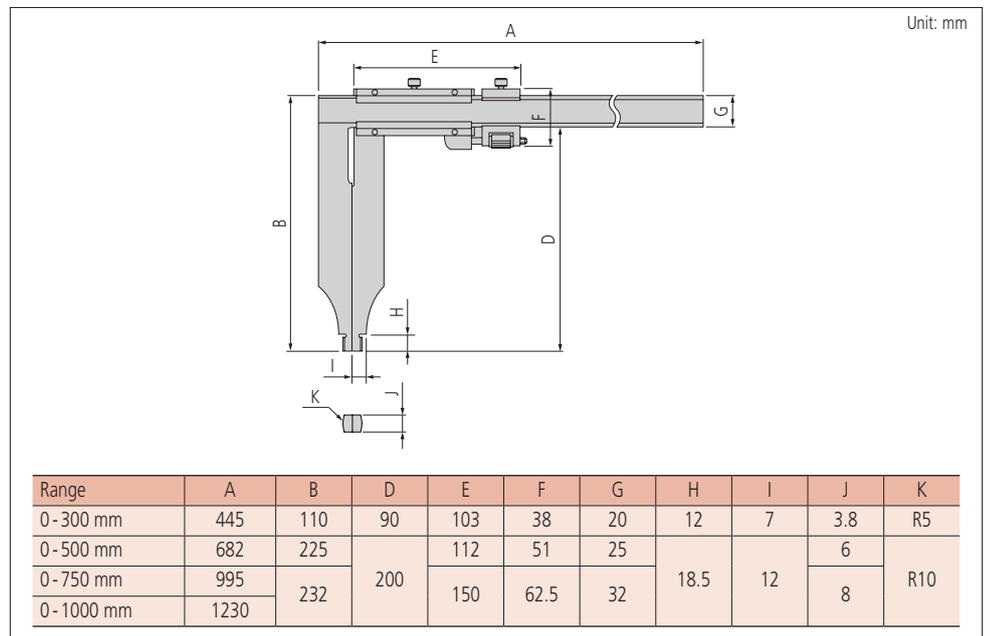
Specifications

Inch/Metric

Code No.	Range*	Accuracy	Graduation	Remarks	Price
534-105	0 (10) - 300 mm / 0 (.3) - 12"	±0.04 mm / ±.0015"	0.02 mm / .001"	+10 mm / .394" to reading in inside measurement	£255.00
534-106	0 (20) - 500 mm / 0 (.8) - 20"	±0.06 mm / ±.0025"		+20 mm / .787" to reading in inside measurement	£600.00
534-107	0 (20) - 750 mm / 0 (.8) - 30"	±0.08 mm / ±.003"			£848.00
534-108	0 (20) - 1000 mm / 0 (1) - 40"	±0.1 mm / ±.004"			£1140.00

*(): Minimum measurable inside dimension.

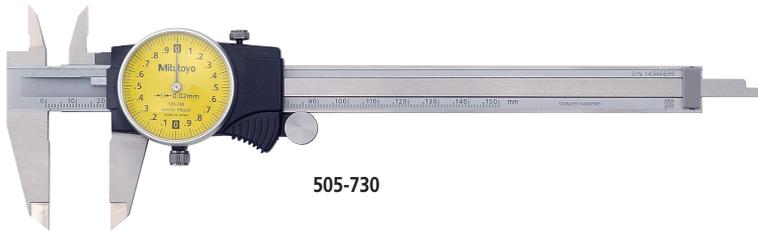
Dimensions



Calipers

SERIES 505 – Dial Caliper

- Newly designed dial movement for ultra-smooth sliding and high shock protection.
- Titanium coating is applied to the sliding surfaces to enhance durability (except for 0-300 mm and 0-12" model).
- Easy-to-read yellow dial.
- Large finger rest aids ease of use.
- Jaw tips are relieved for easy measurement of thin parts.
- Can measure outside and inside dimensions, depth, and steps.



505-730



505-731

Specifications

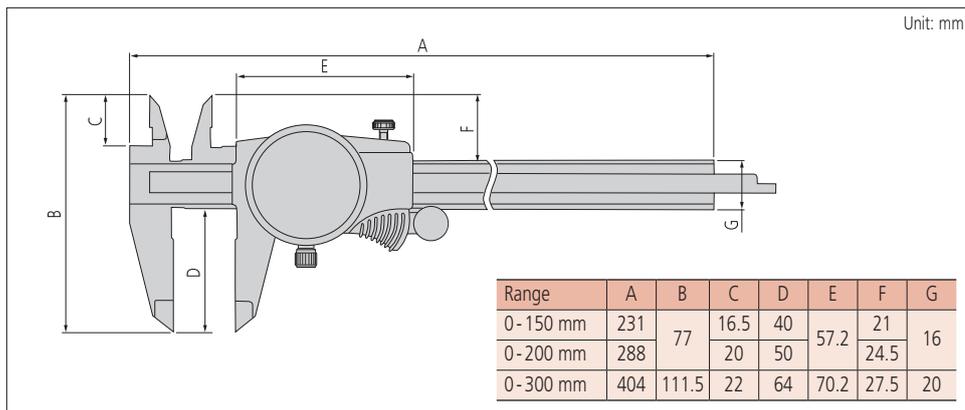
Metric

Code No.	Range	Accuracy	Graduation	Remarks	Price
505-730	0-150 mm	±0.03 mm	0.02 mm, 2 mm/rev	—	£108.00
505-732		±0.02 mm	0.01 mm, 1 mm/rev	—	£113.00
505-731	0-200 mm	±0.03 mm	0.02 mm, 2 mm/rev	—	£143.00
505-733			0.01 mm, 1 mm/rev		£143.00
505-745	0-300 mm	±0.04 mm	0.02 mm, 2 mm/rev	—	£242.00

Inch

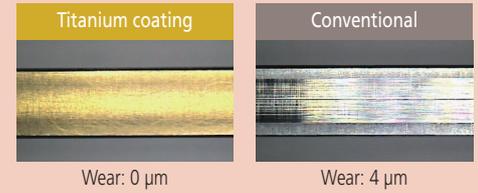
Code No.	Range	Accuracy	Graduation	Remarks	Price
505-675	0-6"	±.001"	.001", .1"/rev	—	£108.00
505-676	0-8"	±.002"		—	£143.00
505-749	0-12"		.001", .2"/rev	—	£242.00
505-677			.001", .1"/rev	Silver cover type	£259.00

Dimensions



Wear comparison of main scale slider face

The photographs below show the condition of the main beam sliding surfaces after a sliding test comprising 100,000 movements. Smooth movement over the entire measuring range is assured even when you use a particular part of the sliding surface repeatedly.



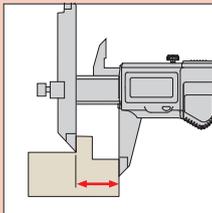
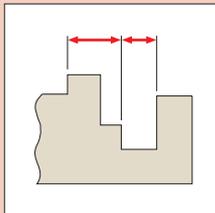
Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



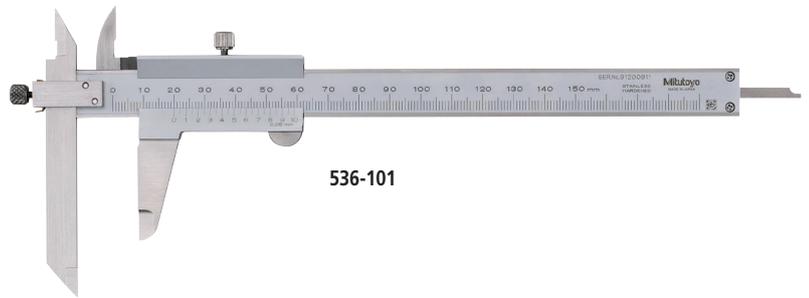
Application example.

SERIES 573, 536 – Offset Jaw Caliper

- The beam-mounted jaw can be adjusted to facilitate measurement of stepped sections and hard-to-get-at workpiece features.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



573-701



536-101

Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*1	Price
ABSOLUTE Digimatic type				
573-701	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	£343.00
573-702	0 - 200 mm (0 - 8")			£454.00
573-704	0 - 300 mm (0 - 12")		±0.03 mm (±.0015")	£541.00

Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier type				
536-101	0 - 150 mm	0.05 mm	±0.05 mm	£207.00
536-102	0 - 200 mm			£244.00
536-103	0 - 300 mm		±0.08 mm	£357.00

*1 Excluding quantizing error.

Dimensions

Range	A	B	C	D
0 - 150 mm	95	10	40	30
0 - 200 mm			50	38.5
0 - 300 mm	135	15	64	51

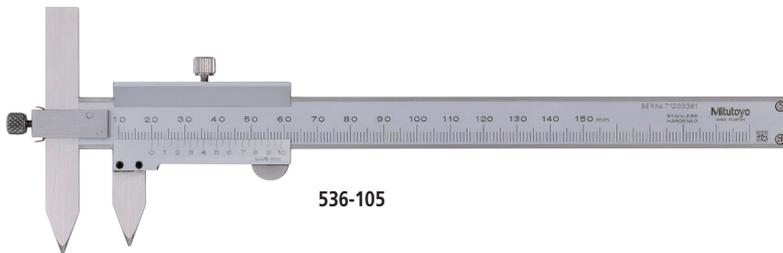
Calipers

SERIES 573, 536 – Offset Centreline Caliper

- Specially designed for hole Centre-to-Centre measurements on the same, or offset, planes.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Direct reading of pitch measurements is available due to the offset-value setting function.
- Digimatic models enable integration into statistical process control and measurement systems.



573-705-20



536-105

Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy* ¹	Price
ABSOLUTE Digimatic type				
573-705-20	10 - 160 mm (.4 - 6.4")	0.01 mm (.0005")	±0.03 mm (±.0015")	£356.00
573-706	10 - 210 mm (.4 - 8.4")			£390.00
573-708	10 - 310 mm (.4 - 12.4")		±0.04 mm (±.0015")	£560.00

Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier type				
536-105	10 - 150 mm	0.05 mm	±0.05 mm	£253.00
536-106	10 - 200 mm			£322.00
536-107	10 - 300 mm		±0.08 mm	£364.00

*1 Excluding quantizing error.

Dimensions

Unit: mm

Vernier type

Range	A	t
10 - 150 mm	75	3
10 - 200 mm		
10 - 300 mm	100	3.8

ABSOLUTE Digimatic type

Range	A	t
10 - 160 mm	75	3.5
10 - 210 mm		
10 - 310 mm	100	3.8

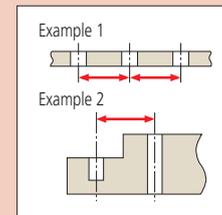
Technical Data for 573 series

Dust/water protection level:	IP67* ²
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*² Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Application example.

Technical Data

Scale type:	ABSOLUTE electrostatic linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3.5 years under normal use

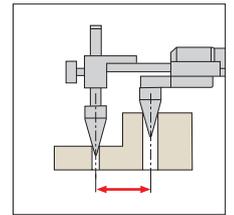
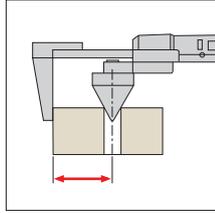
Optional Accessories

Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-C (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60
05FAJ735	Centreline caliper inspection gauge	£1010.00

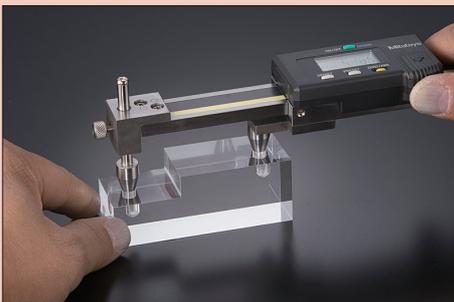
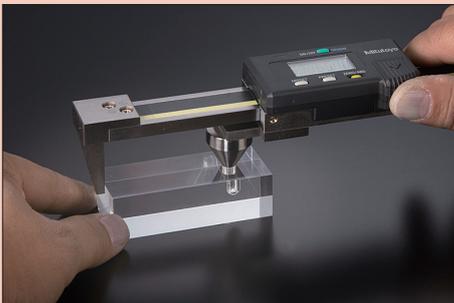
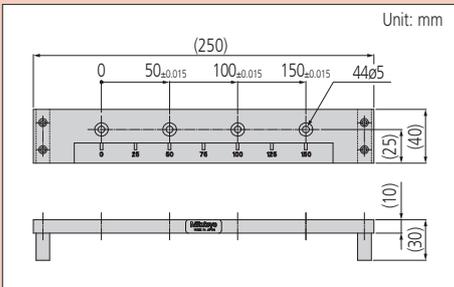
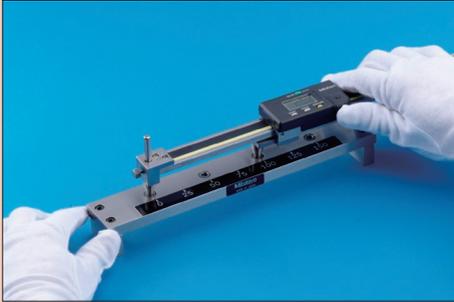
SERIES 573 – ABSOLUTE Digimatic Back Jaw Centreline Caliper

- Specially designed to measure hole Centre-to-Centre and Edge-to-Centre distances.
- Provided with jaws on the back of the slider, measurements can be read easily from above.
- Direct reading of pitch measurements is possible due to the offset-value setting function.
- Data output function allows integration into statistical process control and measurement systems.
- Dedicated calibration inspection tools are available.

ABSOLUTE



Application example.



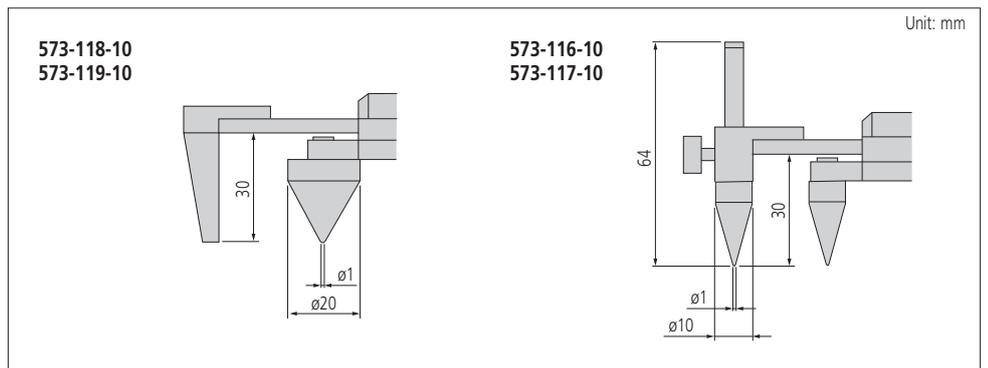
Specifications

Metric

Code No.	Range	Resolution	Accuracy*	Price
Edge-to-Centre type				
573-118-10	10-200 mm	0.01 mm	±0.1 mm	£805.00
573-119-10	10-300 mm		±0.15 mm	£966.00
Centre-to-Centre type				
573-116-10	10-200 mm	0.01 mm	±0.1 mm	£805.00
573-117-10	10-300 mm		±0.15 mm	£966.00

* Excluding quantizing error.

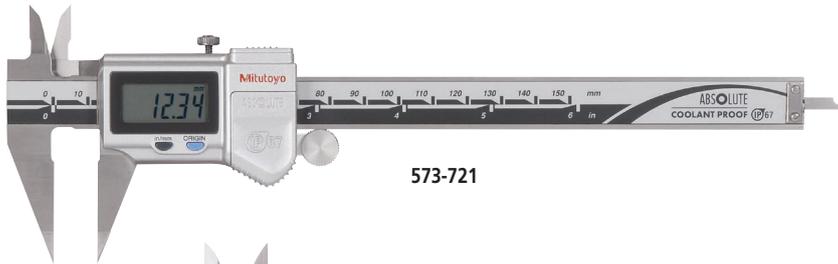
Dimensions



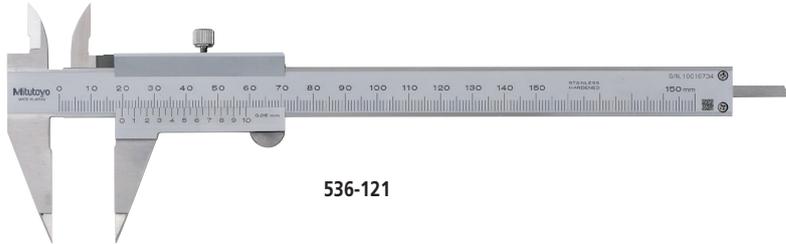
Calipers

SERIES 573, 536 – Point Caliper

- Narrow-tip jaws fit into very small grooves and tracks, making many previously difficult outside measurements far easier to obtain.
- Can measure outside and inside dimensions, depth, and steps.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



573-721



536-121

Specifications

Inch/Metric

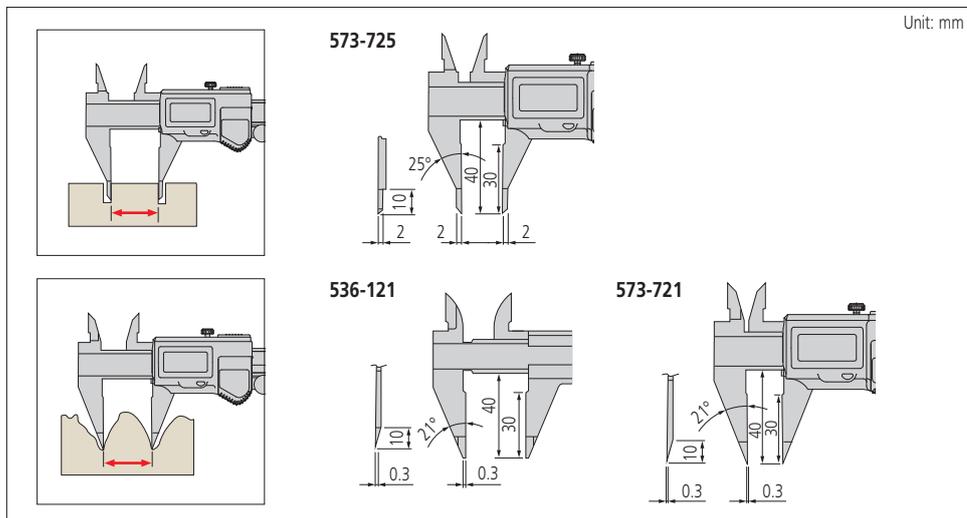
Code No.	Range	Resolution	Accuracy*1	Price
ABSOLUTE Digimatic type				
573-721	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	£276.00
573-725				£334.00

Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier Type				
536-121	0 - 150 mm	0.05 mm	±0.05 mm	£158.00

*1 Excluding quantizing error.

Dimensions



Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

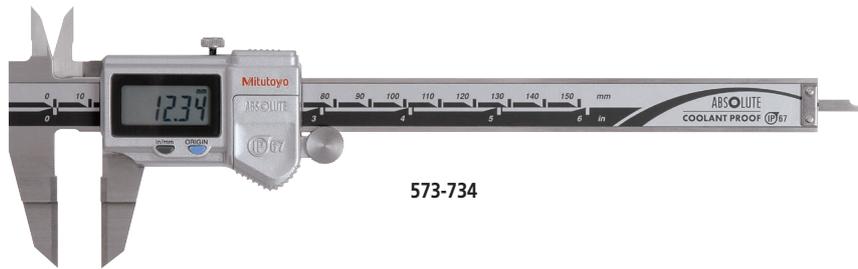
*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

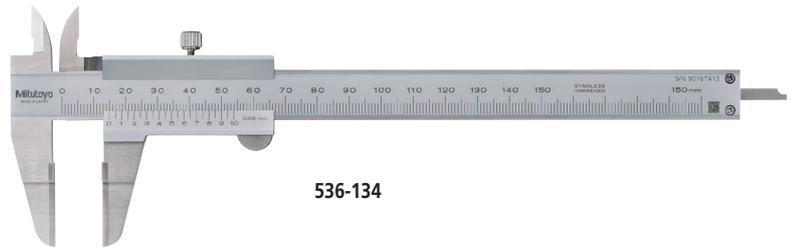
Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00

SERIES 573, 536 – Blade Caliper

- The thin blade-type jaws fit into very small grooves and make previously difficult outside measurements far easier to obtain.
- The outside measuring faces are carbide tipped.
- Can measure outside and inside dimensions, depth, and steps.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



573-734



536-134

Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*1	Price
ABSOLUTE Digimatic type				
573-734	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	£414.00

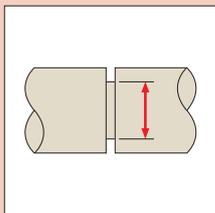
Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier type				
536-134	0 - 150 mm	0.05 mm	±0.05 mm	£322.00
536-135	0 - 200 mm		±0.05 mm	£375.00
536-136	0 - 300 mm		±0.08 mm	£410.00

*1 Excluding quantizing error.

Dimensions

ABSOLUTE Digimatic type		Vernier type			
Range		A	B	C	t
0 - 150 mm		40	20	0.75	3
0 - 200 mm		50	25		
0 - 300 mm		64	30	1	3.8

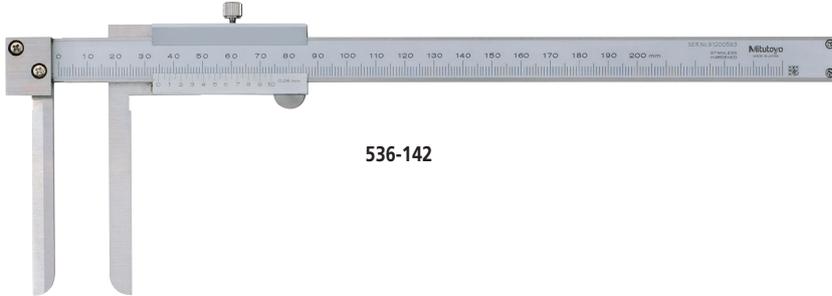


Application example.

Calipers

SERIES 573, 536 – Knife Edge Inside Caliper

- Specially designed for inside measurements in hard-to-reach places.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



Specifications

Inch/Metric

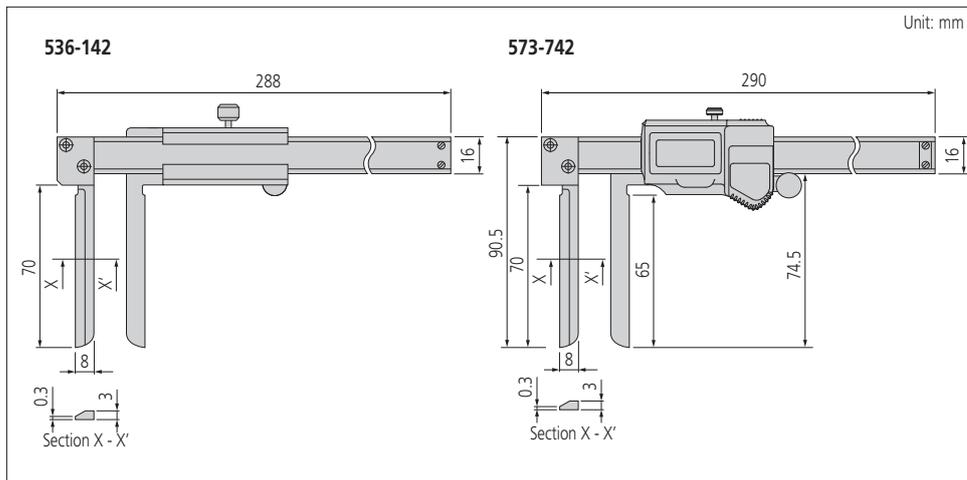
Code No.	Range	Resolution	Accuracy*1	Min. measurable hole	Price
ABSOLUTE Digimatic type					
573-742-20	10 - 200 mm (.4 - 8")	0.01 mm (.0005")	±0.05 mm (±.002")	ø10 mm (ø.4")	£552.00

Metric

Code No.	Range	Graduation	Accuracy	Min. measurable hole	Price
Vernier type					
536-142	10 - 200 mm	0.05 mm	±0.12 mm	ø10 mm	£472.00

*1 Excluding quantizing error.

Dimensions



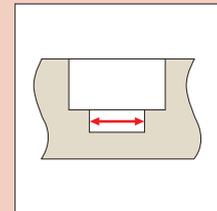
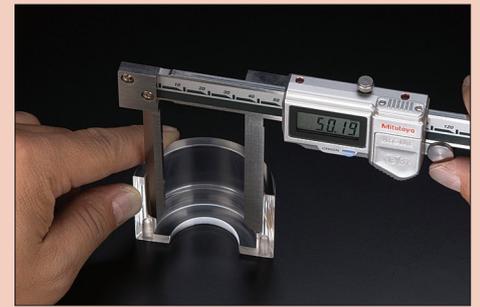
Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Application example.

Technical Data for 573 series

Dust/water protection level:	IP67*3
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*3 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

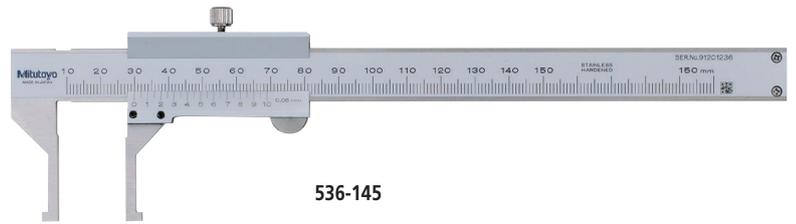
Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00

SERIES 573, 536 – Inside Groove Caliper

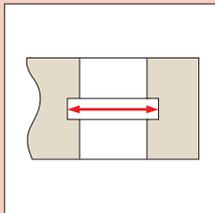
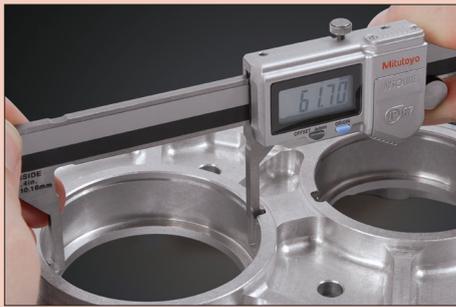
- Specially designed for inside measurements in hard-to-reach places.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



573-745



536-145



Application example.

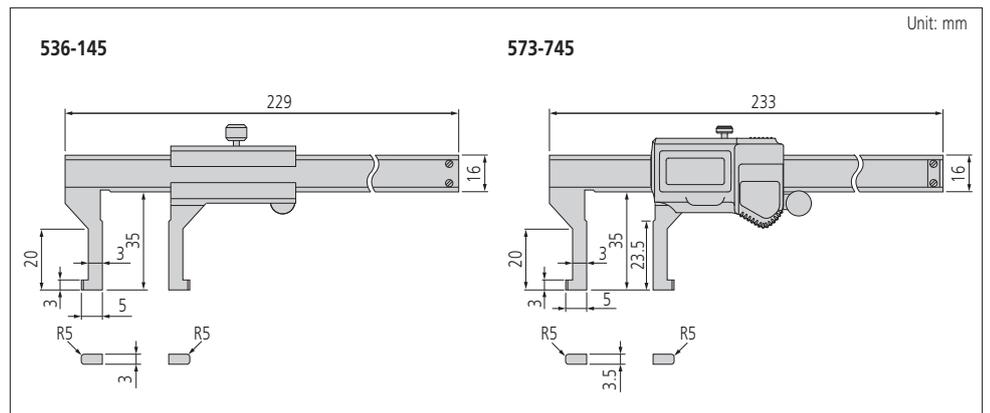
Specifications

Inch/Metric					
Code No.	Range	Resolution	Accuracy*1	Min. measurable hole	Price
ABSOLUTE Digimatic type					
573-745*2	10 - 160 mm (.4 - 6")	0.01 mm (.0005")	±0.05 mm (±.002")	ø10 mm (ø.4")	£412.00
Metric					
Code No.	Range	Graduation	Accuracy	Min. measurable hole	Price
Vernier type					
536-145	10 - 150 mm	0.05 mm	±0.05 mm	ø10 mm	£364.00

*1 Excluding quantizing error.

*2 Equipped with the offsetting function, which indicates the actual measurement value.

Dimensions



Calipers

SERIES 573, 536 – Point Jaw Inside Caliper

- Specially designed for inside measurements in hard-to-reach places.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



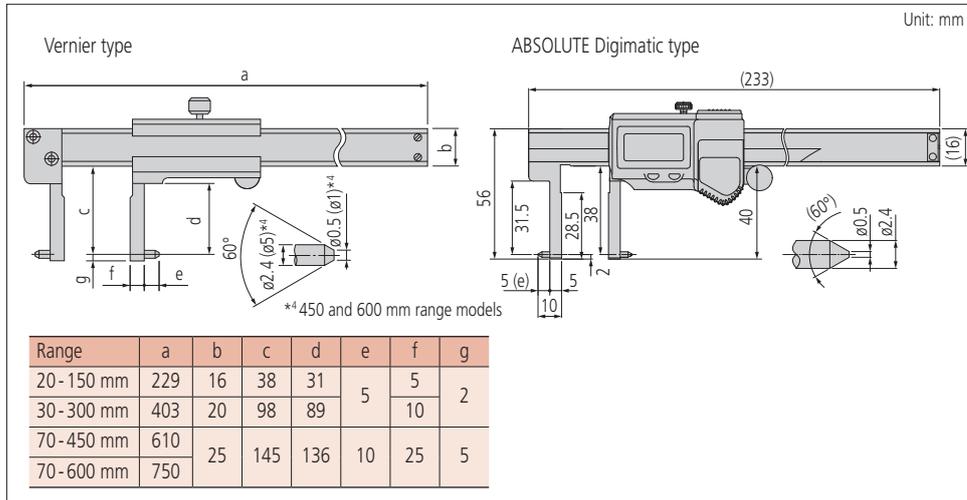
Specifications

Inch/Metric					
Code No.	Range	Resolution	Accuracy* ¹	Min. measurable hole	Price
ABSOLUTE Digimatic type					
573-746* ²	20 - 170 mm (.8 - 6")	0.01 mm (.0005")	±0.03 mm (±.0015")	ø20 mm (ø.8")	£543.00
Metric					
Code No.	Range	Graduation	Accuracy	Min. measurable hole	Price
Vernier type					
536-146	20 - 150 mm	0.05 mm	±0.05 mm	ø20 mm	£482.00
536-147	30 - 300 mm		±0.08 mm	ø30 mm	£631.00
536-148	70 - 450 mm		±0.10 mm	ø70 mm	£1220.00
536-149	70 - 600 mm		±0.12 mm		£1270.00

*¹ Excluding quantizing error.

*² Equipped with the offsetting function, which indicates the actual measurement value.

Dimensions



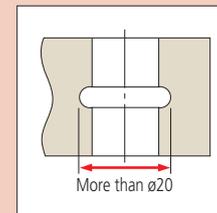
Technical Data for 573 series

Dust/water protection level: IP67*³
 Scale type: ABSOLUTE electromagnetic induction linear encoder
 Max. response speed: Unlimited
 Battery: SR44 (1 pc.), 938882
 Battery life: Approx. 3 years under normal use (1 year for models over 300 mm)

*³ Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Application example.

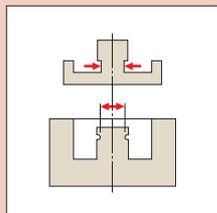
Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

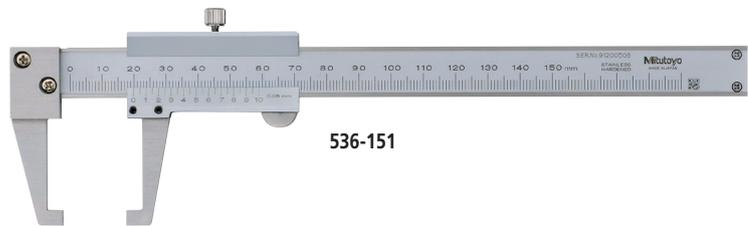
Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Application example.

SERIES 573, 536 – Neck Jaw Caliper

- Can measure wall thickness inside bores and recesses.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



Specifications

Inch/Metric

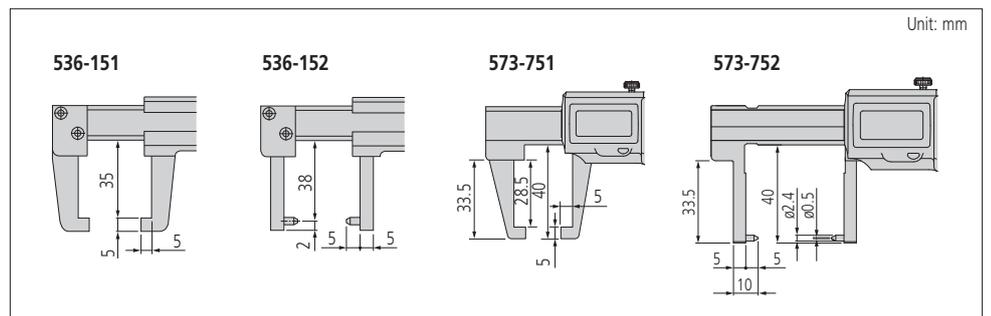
Code No.	Range	Resolution	Accuracy*1	Remarks	Price
573-751	0-150 mm (0-6")	0.01 mm (.0005")	±0.03 mm (±.0015")	—	£434.00
573-752-20				Point type	£534.00

Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier type				
536-151	0-150 mm	0.05 mm	±0.05 mm	£311.00
536-152				Point type

*1 Excluding quantizing error.

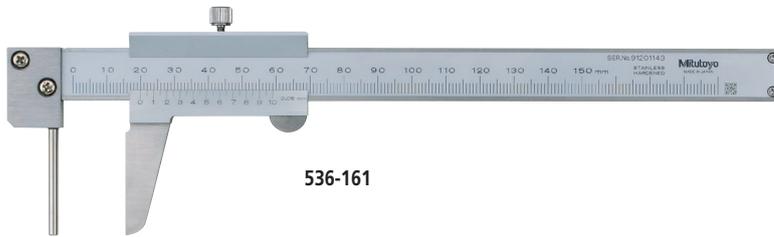
Dimensions



Calipers

SERIES 573, 536 – Tube Thickness Caliper

- The beam-mounted jaw is a round bar that facilitates measurements of tube wall thickness.
- Digimatic models feature Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Digimatic models enable integration into statistical process control and measurement systems.



Specifications

Inch/Metric

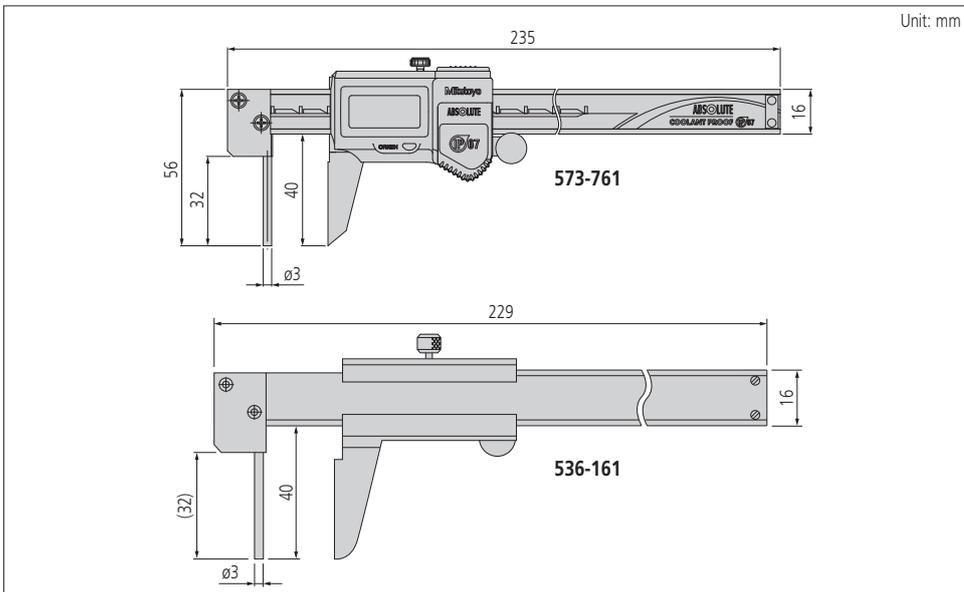
Code No.	Range	Resolution	Accuracy*1	Price
ABSOLUTE Digimatic type				
573-761	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.05 mm (±.002")	£359.00

Metric

Code No.	Range	Graduation	Accuracy	Price
Vernier type				
536-161	0 - 150 mm	0.05 mm	±0.05 mm	£284.00

*1 Excluding quantizing error.

Dimensions



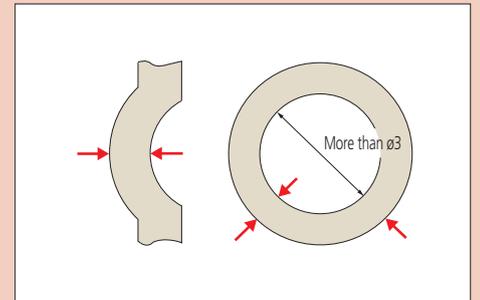
Technical Data for 573 series

Dust/water protection level:	IP67*2
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for models over 300 mm)

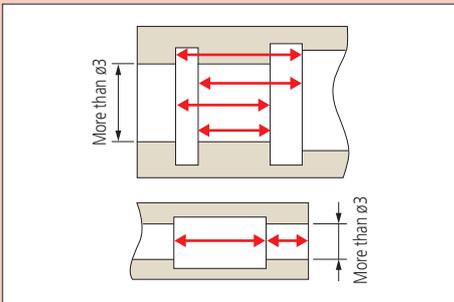
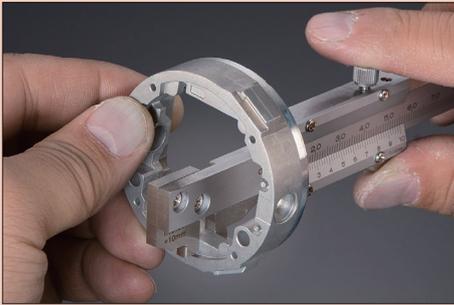
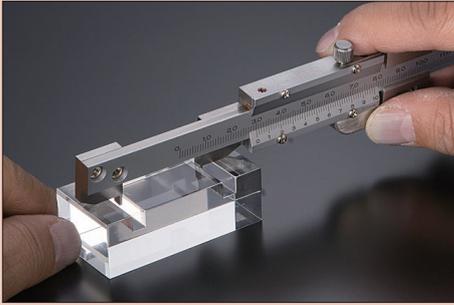
*2 Rustproofing treatment to be applied after use.

Optional Accessories for 573 Series

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Application example.



Application example.

SERIES 536 – Vernier Hook Jaw Caliper

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



536-171



536-172
Inside-groove type

Specifications

Metric					
Code No.	Range	Graduation	Accuracy	Remarks	Price
536-171	0 (10) - 200 mm	0.02 mm	±0.03 mm	—	£440.00
536-172	0 (20) - 200 mm			With fine adjustment	£455.00

* () : Minimum dimension in inside measurement.

Dimensions

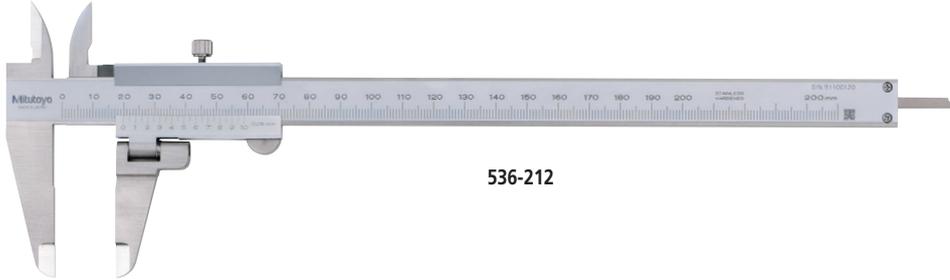
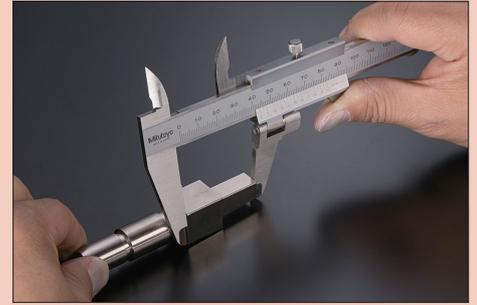
Unit: mm

Code No.	L	a	b	c	d	e	f	g
536-171	320	28	—	—	12	4	5	3.5
536-172			28.5	20			1	

Calipers

SERIES 536 – Vernier Moving Jaw Caliper

- The moving jaw can be rotated to measure sectioned shafts.
- Can measure outside and inside dimensions, depth, and steps.

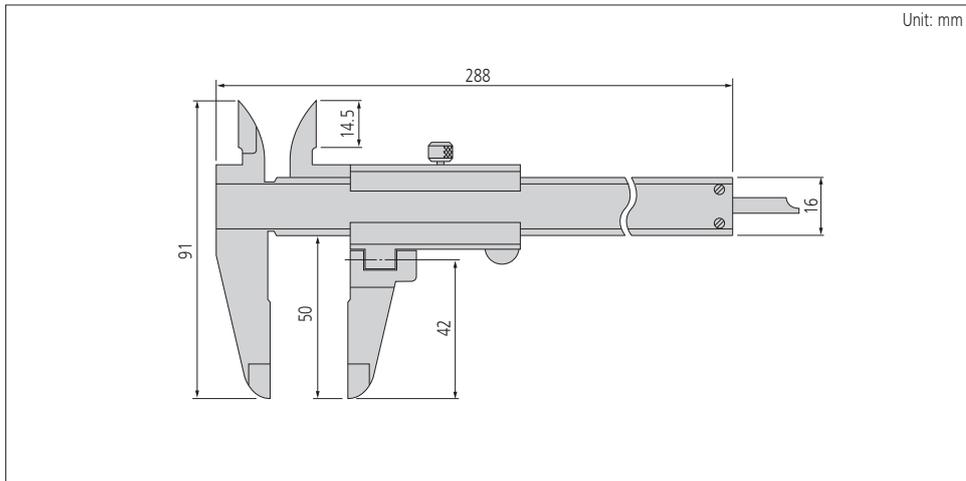


536-212

Specifications

Metric				
Code No.	Range	Graduation	Accuracy	Price
536-212	0 - 200 mm	0.05 mm	±0.05 mm	£395.00

Dimensions



Technical Data

Scale type:	ABSOLUTE electrostatic linear encoder
Jaw retraction:	0.3 mm
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3.5 years under normal use

Optional Accessories

Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-C (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60

SERIES 573 – ABSOLUTE Digimatic Low Force Caliper

- Due to the low measuring force, this caliper is ideal for measuring elastic workpieces such as plastic parts and rubber parts that standard calipers cannot measure accurately.
- The thumb roller allows smooth and easy fine adjustment.
- Movement of main scale jaw is 0.3 mm.
- Measuring force: 0.49 to 0.98 N (50 to 100 gf).
- Features Mitutoyo's ABSOLUTE system. No need to reset the origin after switching on.
- Slider operation is smooth and comfortable.
- Data output function allows integration into statistical process control and measurement systems.

ABSOLUTE



573-291-30

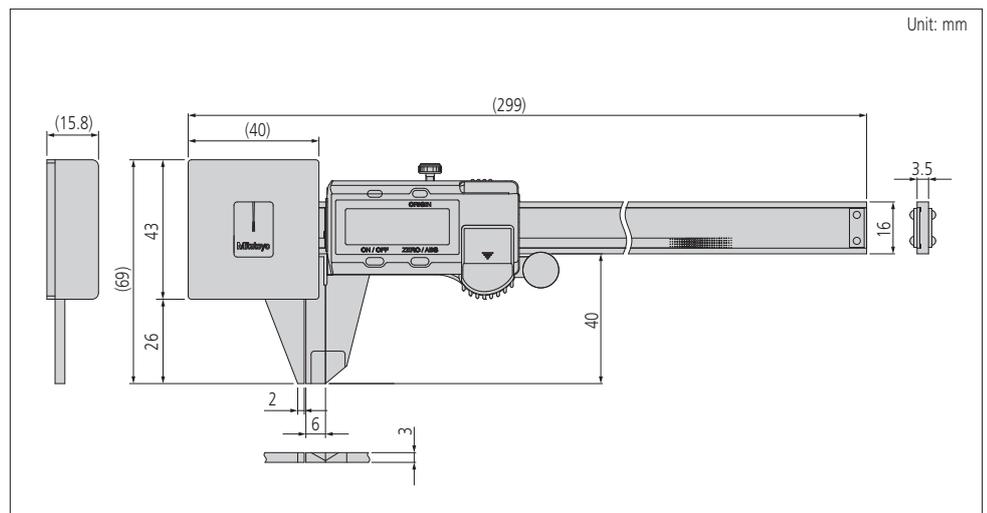
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*	Price
573-291-30	0 - 180 mm (0 - 7")	0.01 mm (.0005")	±0.05 mm (±.002")	£812.00

* Excluding quantizing error.

Dimensions



Measurement procedure
A consistently low measuring force can be guaranteed by only taking measurements when the pointer is between the two fiducial lines.

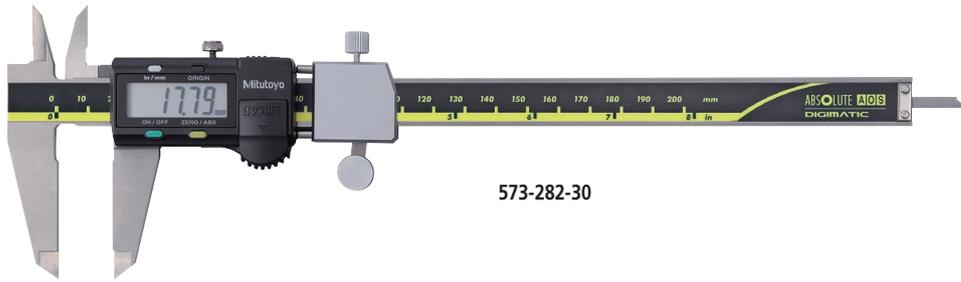


Calipers

SERIES 573 – ABSOLUTE Digimatic Snap Caliper

- Features a 'snap action' movement control of the slider via a spring-loaded mechanism attached to a movable clamp on the beam.
- Enables quick and efficient repetitive GO/NO-GO inspection of a specific dimension on mass produced parts by just moving a lever.
- Can measure outside and inside dimensions, depth, and steps.
- Measuring force: 7 to 14 N (700 to 1400 gf).
- The slider can be retracted by up to 2 mm from the measuring position.
- Features Mitutoyo's ABSOLUTE system. No need to reset the origin after switching on.
- Slider operation is smooth and comfortable.
- Data output function allows integration into statistical process control and measurement systems.

ABSOLUTE



573-282-30

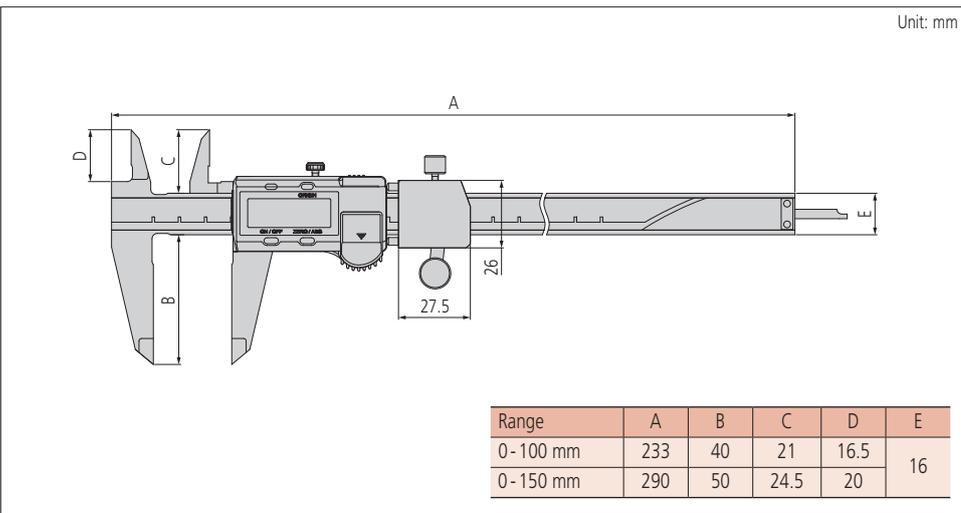
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*	Price
573-281-30	0 - 100 mm (0 - 4")	0.01 mm (.0005")	±0.02 mm (±.001")	£334.00
573-282-30	0 - 150 mm (0 - 6")			£373.00

* Excluding quantizing error.

Dimensions



Technical Data

Repeatability:	0.01 mm
Scale type:	ABSOLUTE electrostatic linear encoder
Jaw retraction:	2 mm
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3.5 years under normal use

Optional Accessories

Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-C (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60



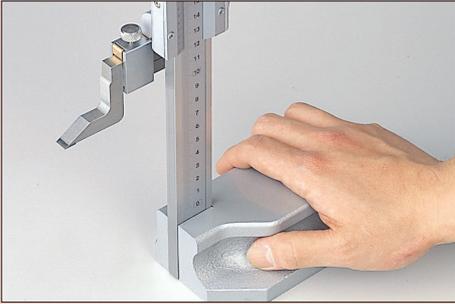
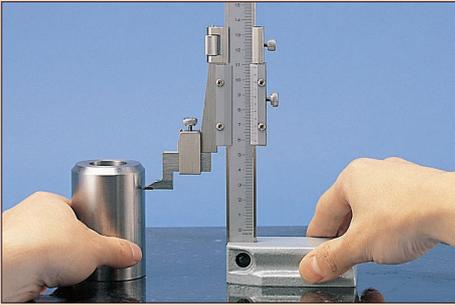
Height Gauges

SERIES 506, 514 – Vernier Adjustable Scale Height Gauge

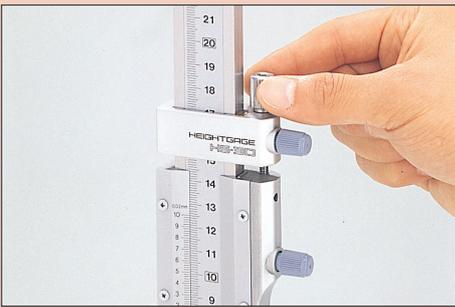
- Fits comfortably in the hand and moves easily on the surface plate.
- The main scale slides and clamps within the column for quick and convenient zero-setting.
- Large locking screws are used both for the slider and fine adjustment clamps to make clamping easy and secure.
- Operability of slider has been improved.
- Large mainscale engraving for fatigue-free working.
- Carbide-tipped scriber (**900173** for 506-208, **07GZA000** for 514-103/5/7, **905200** for 514-109) is provided as a standard accessory. (Scriber clamp **07GZA004** for 506-208 **05GZA033** for 514-103/5/7/9.)

Technical Data

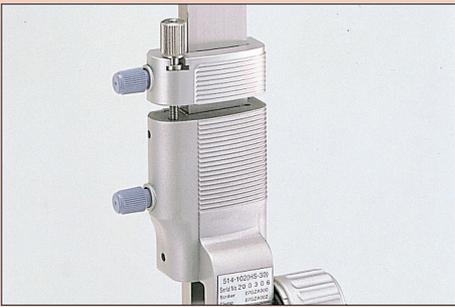
Graduation: 0.02 mm (.001")



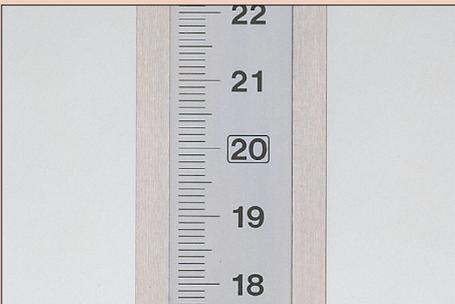
Base fits the hand comfortably.



Fine-adjustment knob.



Locking screws.



Large main-scale engraving.



506-208



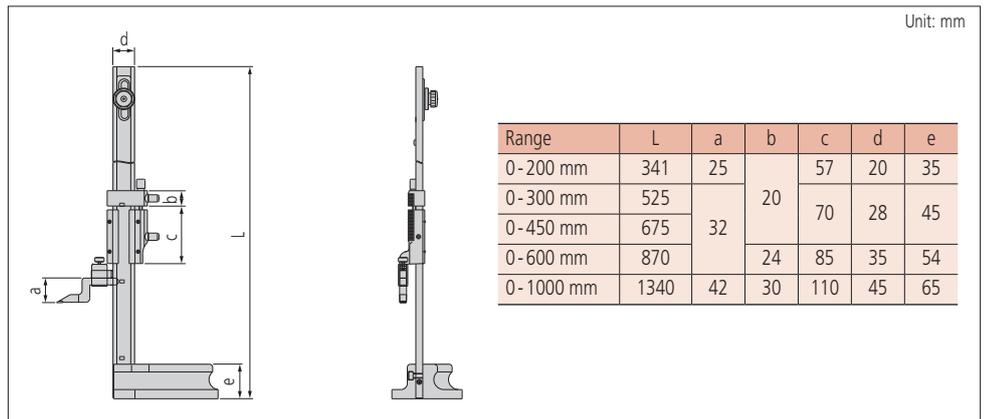
514-103

Specifications

Inch/Metric

Code No.	Range	Accuracy*	Scale adjustment	Fine feed	Height	Mass	Price
506-208	0-200 mm (0-8")	±0.03 mm (±.001")	—		341 mm	1.4 kg	£282.00
514-103	0-300 mm (0-12")	±0.04 mm (±.002")	15 mm (.6")	4 mm (.16")	525 mm	3.1 kg	£355.00
514-105	0-450 mm (0-18")	±0.05 mm (±.002")			675 mm	3.4 kg	£680.00
514-107	0-600 mm (0-24")		25 mm (1")	7 mm (.27")	870 mm	7.4 kg	£854.00
514-109	0-1000 mm (0-40")	±0.07 mm (±.004")			6 mm (.24")	1340 mm	20 kg

Dimensions



D

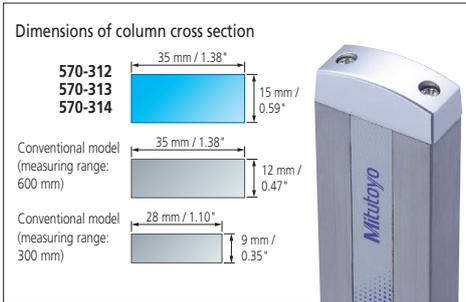
Height Gauges

SERIES 570 – ABSOLUTE Digimatic Ergonomic Height Gauge

- Allows smooth elevation by the slider adjustment wheel, which is the same type used on the well-established double-column height gauge.
- Large slider-clamp lever ensures positive and accurate clamping action.
- Character height of the LCD display is 10 mm.
- Due to the built-in ABSOLUTE scale function, origin setting is not required each time power is turned ON.
- Ergonomic and stylish base fits comfortably in the hand.
- Allows integration into statistical process control and measurement systems.
- High durability and high accuracy are ensured by an improved column design (35 x 15 mm).

ABSOLUTE

570-312



Slider height adjustment wheel



Large clamp lever

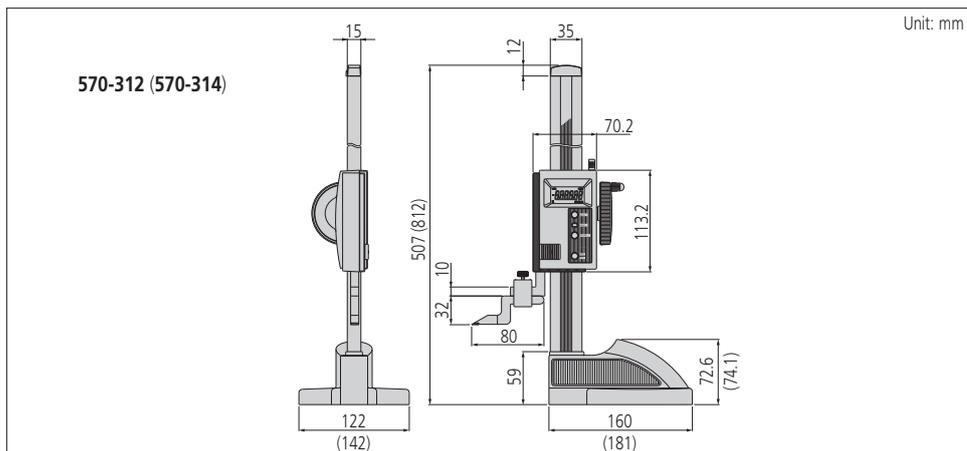
Specifications

Inch/Metric

Code No.	Range	Accuracy*	Resolution	Height	Mass	Price
570-312	0 - 300 mm (0 - 12")	±0.03 mm (±.0015")	0.01 mm (.0005")	507 mm	4.6 kg	£482.00
570-313	0 - 450 mm (0 - 18")	±0.05 mm (±.002")		662 mm	5.9 kg	£669.00
570-314	0 - 600 mm (0 - 24")			812 mm	6.4 kg	£810.00

* Excluding quantizing error.

Dimensions



Technical Data

Repeatability:	0.01 mm
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	20,000 hours under normal use

Functions

Origin-setting:

Any convenient reference surface, such as a surface plate, etc., can be stored as the absolute origin point.

Absolute measurement:

After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. Absolute origin position can be changed by ORIGIN button.

Incremental measurement:

Allows origin setting at any arbitrary position. In this case, the origin point is not stored after turning off the power.

Data hold:

Display value can be held.

Data output:

Allows integration into statistical process control and measurement systems.

Low-voltage alert:

If the battery voltage becomes low, a "B" appears in the display to alert the user before measurement is no longer possible so that the battery can be changed in good time.

Standard Accessories

Clamp (with dovetail groove)
900322

Holding bar C (test indicator mount)
953639



Scriber clamp
901385



Scriber
900258



Optional Accessories

Code No.	Description	Price
905338	SPC data cable (1 m)	£32.90
905409	SPC data cable (2 m)	£36.80
06ADV380F	USB Input Tool Direct USB-ITN-F (2 m)	£105.00
02AZD790F	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140F	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00

Technical Data

Repeatability:	0.01 mm
Fine feed:	6 mm (.24")
Battery:	SR44 (1 pc.), 938882
Battery life:	20,000 hours under normal use

Functions

Zero-setting
 +/- directional measurement
 Data hold
 Data output
 Presetting
 inch/mm reading (inch/mm models)
 Preset value memory
 Origin restoration
 Low battery voltage alert
 Counting value composition error alert

Optional Accessories

Code No.	Description	Price
905338	SPC data cable (1 m)	£32.90
905409	SPC data cable (2 m)	£36.80
06ADV380F	USB Input Tool Direct USB-ITN-F (2 m)	£105.00
02AZD790F	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140F	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00

SERIES 570 – ABSOLUTE Digimatic Height Gauge

- ABS and INC measurement modes allow efficient operation.
- Rigid structure makes instrument suitable for use in severe work environments.
- The +/- measurement function widens the application range.
- Allows integration into statistical process control and measurement systems.
- Carbide-tipped scriber (**05GZA033**) is provided as a standard accessory.

ABSOLUTE



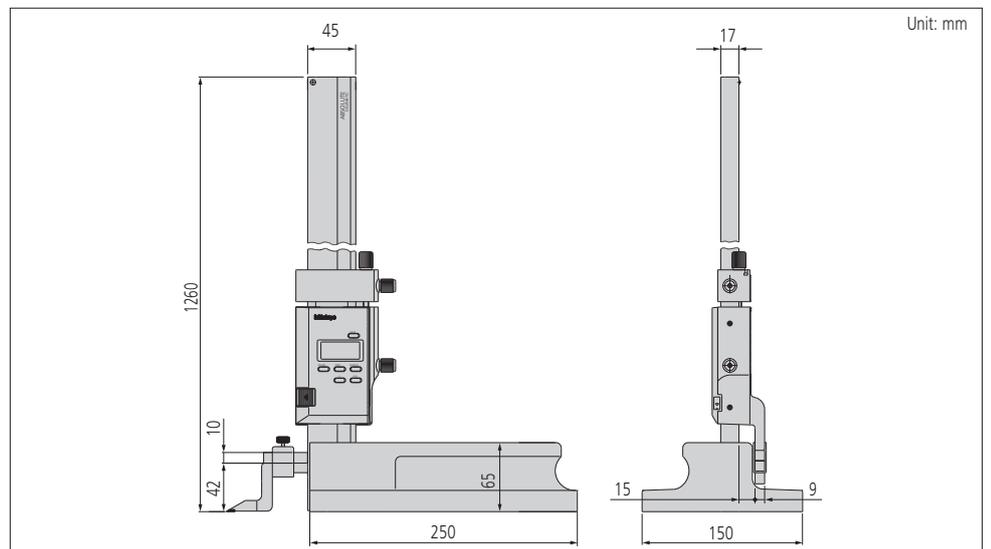
Specifications

Inch/Metric

Code No.	Range	Accuracy*	Resolution	Height	Mass	Price
570-248	0 - 1000 mm (0 - 40")	±0.07 mm (±.003")	0.01 mm (.0005")	1260 mm	16.8 kg	£2150.00

* Excluding quantizing error.

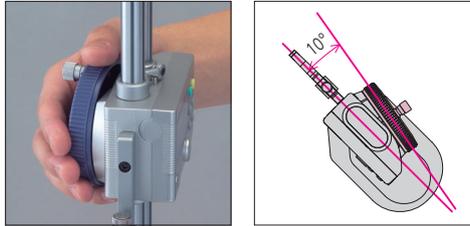
Dimensions



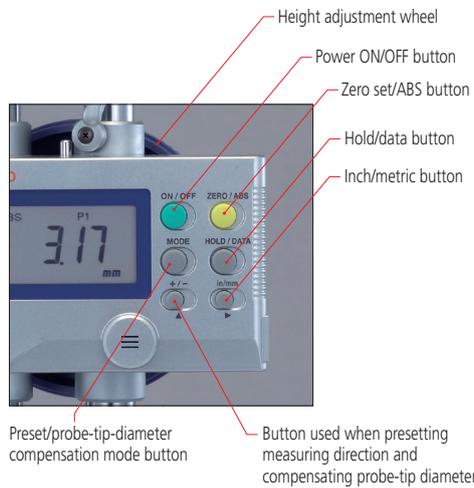
Height Gauges

SERIES 192 – Digimatic Double Column Height Gauge

- Easy-to-use standard type.
- Ergonomic base fits comfortably in the hand.
- Character height of the display has been increased (10 to 11 mm) and the high-contrast LCD display provides improved readability.
- Inclined handle improves slider ergonomics.
- Double-column structure ensures high measuring accuracy.
- Carbide-tipped long scriber (**900258**) is provided as a standard accessory. (Standard accessory: scriber clamp **901385**.)



192-630-10



Technical Data

Repeatability:	0.01 mm
Max. response speed:	500 mm/s
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3500 hours in continuous use

Functions

Origin-setting (ABS measurement mode):

Any arbitrary value can be stored as the origin point.

Zero-setting (INC measurement mode):

Displayed value can be set to zero at any arbitrary position of the slider.

Origin restoration:

Previously set origin is restored when switching back to ABS mode.

Presetting (ABS INC measurement mode):

Displayed value can be set to any arbitrary value, including negative values.

Measuring direction:

Measuring direction can be switched at the press of a button.

Data hold:

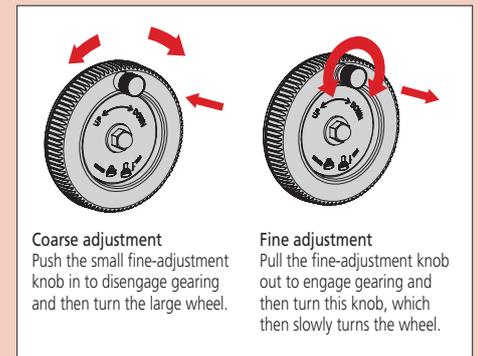
Display value can be held. Reverts to ABS or INC mode when cancelled.

Alarm:

Error message is displayed when overflow or overspeed of displayed value arises and measurement is stopped.

Fine and coarse height adjustment:

Through knob and wheel combination. Slider height adjustment wheel allows fine and coarse height adjustment.



Low-voltage alert:

When battery voltage becomes low, a warning appears in the display.

Probe-tip diameter compensation:

An adjustment is applied to the raw measurement data to compensate for the effect of the size of the spherical contact point used by the bidirectional touch-trigger probe.

Specifications

Inch/Metric

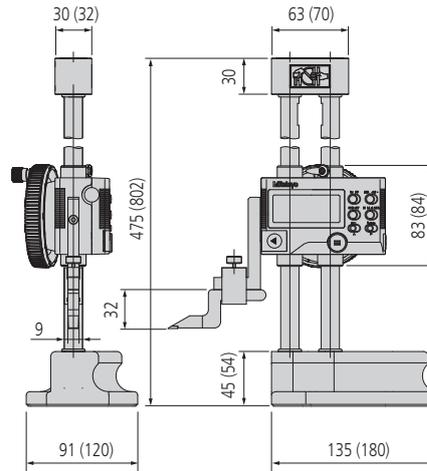
Code No.	Range	Accuracy*	Resolution (switchable)	Height	Mass	Price
192-630-10	0 - 300 mm (0 - 12")	±0.02 mm (±.001")	0.01 / 0.005 mm (.0005 / .0002")	475 mm	4.7 kg	£810.00
192-631-10	0 - 450 mm (0 - 18")	±0.05 mm (±.002")		649 mm	7.5 kg	£1130.00
192-632-10	0 - 600 mm (0 - 24")			802 mm	8.3 kg	£1180.00
192-633-10	0 - 1000 mm (0 - 40")			±0.07 mm (±.003")	1228 mm	15.7 kg

* Excluding quantizing error of ±1 count.

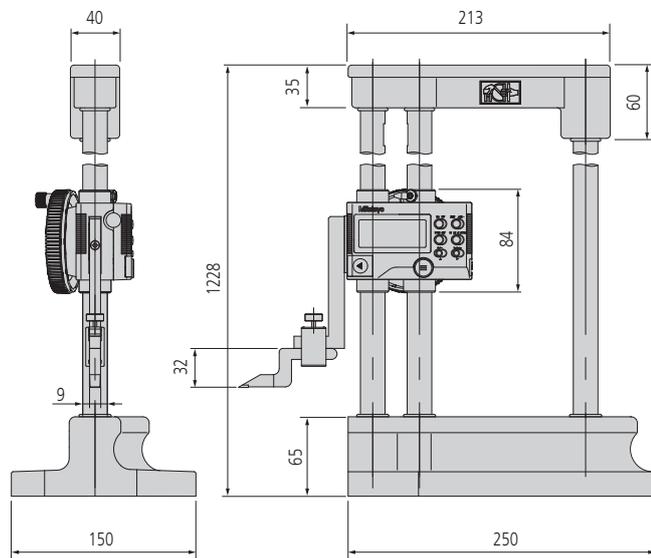
Dimensions

Unit: mm

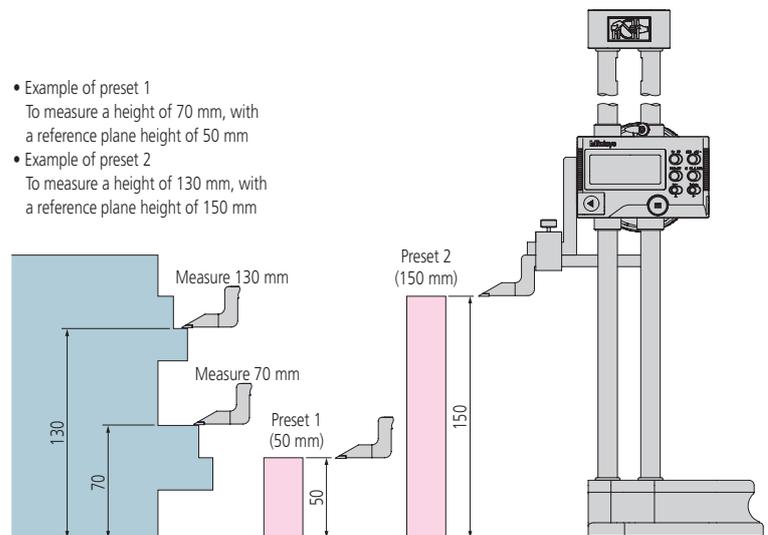
192-630-10 (192-632-10)



192-633-10



- Example of preset 1
To measure a height of 70 mm, with a reference plane height of 50 mm
- Example of preset 2
To measure a height of 130 mm, with a reference plane height of 150 mm



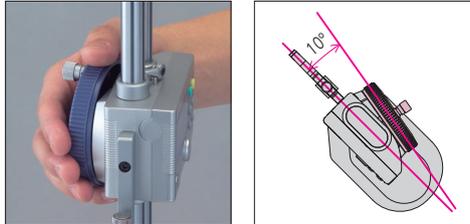
Application example: Presetting (2 positions)

With two preset functions, two reference heights created by gauge blocks can be used to make repetitive measurements with high accuracy relative to a datum plane (surface plate). This is an example of gaining accuracy from an instrument by taking advantage of its narrow range accuracy.

Height Gauges

SERIES 192 – Digimatic Multifunction Height Gauge

- Double-column structure ensures high measuring accuracy.
- Ergonomic base fits comfortably in the hand.
- Bidirectional touch-trigger probe is available as an optional accessory.
- Character height of the display has been increased (10 to 11 mm) and the high-contrast LCD display provides improved readability.
- Inclined handle improves slider ergonomics.
- Allows integration into statistical process control and measurement systems.
- Carbide-tipped long scribe (**905201** with overall length of 150 mm) is provided as a standard accessory. (Standard accessory: scribe clamp **901385**.)



192-670-10

Technical Data

Repeatability:	0.01 mm
Max. response speed:	500 mm/s
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3500 hours in continuous use

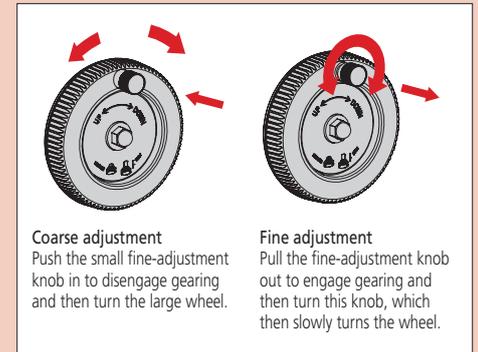
Functions

- Origin-setting** (ABS measurement mode):
Any arbitrary value can be stored as the origin point.
- Zero-setting** (INC measurement mode):
Displayed value can be set to zero at any arbitrary position of the slider.
- Origin restoration:**
Previously set origin is restored when switching back to ABS mode.
- Presetting** (ABS INC measurement mode):
Displayed value can be set to any arbitrary value, including negative values.
- Measuring direction:**
Measuring direction can be switched at the press of a button.
- Data hold:**
Display value can be held. Reverts to ABS or INC mode when cancelled.

Alarm:
Error message is displayed when overflow or overspeed of displayed value arises and measurement is stopped.

Data output:
Allows integration into statistical process control and measurement systems.

Fine and coarse height adjustment:
Through knob and wheel combination. Slider height adjustment wheel allows fine and coarse height adjustment.



Low-voltage alert:
When battery voltage becomes low, a warning appears in the display.

Probe-tip diameter compensation:
An adjustment is applied to the raw measurement data to compensate for the effect of the size of the spherical contact point used by the bidirectional touch-trigger probe.

Specifications

Inch/Metric

Order No.	Range	Accuracy*	Resolution (switchable)	Height	Mass	Price
192-670-10	0 - 300 mm (0 - 12")	±0.02 mm (±.001")	0.01 / 0.005 mm (.0005 / .0002")	510 mm	5.7 kg	£1090.00
192-671-10	0 - 450 mm (0 - 18")	±0.04 mm (±.0015")		649 mm	7.5 kg	£1260.00
192-672-10	0 - 600 mm (0 - 24")			802 mm	8.3 kg	£1460.00
192-673-10	0 - 1000 mm (0 - 40")			±0.06 mm (±.0025")	1228 mm	15.7 kg

* Excluding quantizing error.

Optional Accessories

Code No.	Description	Price
905338	SPC data cable (1 m)	£32.90
905409	SPC data cable (2 m)	£36.80
06ADV380F	USB Input Tool Direct USB-ITN-F (2 m)	£105.00
02AZD790F	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140F	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00



Bidirectional Touch-Trigger Probe (Optional Accessory)

Improves accuracy in step, internal thickness, and outside width measurement by minimizing reproducibility error.

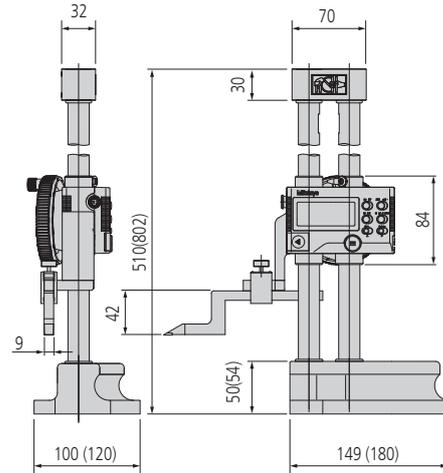


Code No.	192-008
Measuring direction	Bidirectional
Relay contact type	Normally open
Probe overtravel	1.5 mm
Probe size	ø3 mm
Repeatability	σ : 2 μ m
Measuring force	0.4N
Standard accessories	Holder arm, clamp
Price	£435.00

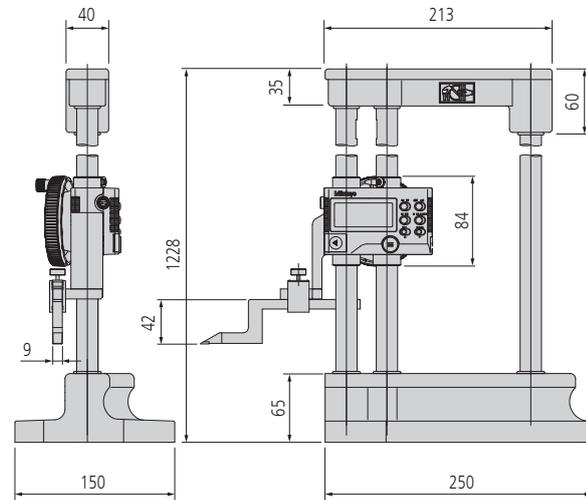
Dimensions

Unit: mm

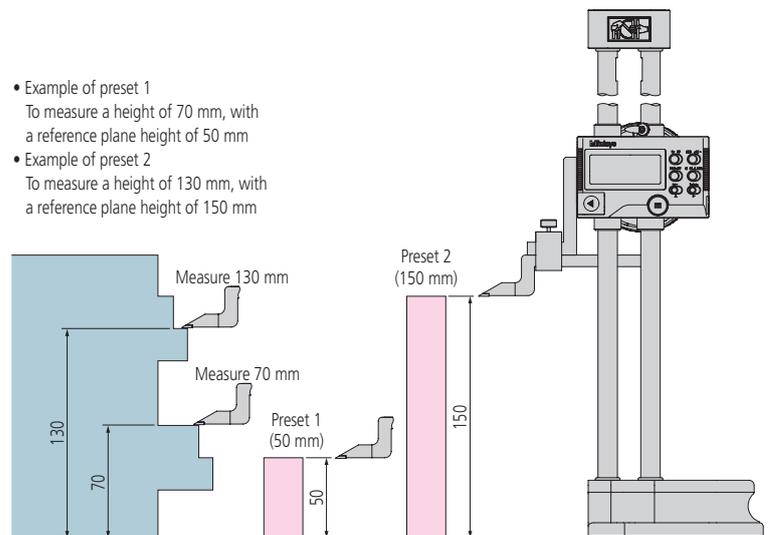
192-670-10 (192-672-10)



192-673-10



- Example of preset 1
To measure a height of 70 mm, with a reference plane height of 50 mm
- Example of preset 2
To measure a height of 130 mm, with a reference plane height of 150 mm



Application example: Presetting (2 positions)

With two preset functions, two reference heights created by gauge blocks can be used to make repetitive measurements with high accuracy relative to a datum plane (surface plate). This is an example of gaining accuracy from an instrument by taking advantage of its narrow range accuracy.

Optional Accessories

SERIES 515 – CERA Caliper Checker

- Enables efficient setting and inspection of calipers and height gauges.



515-555

Specifications

Metric

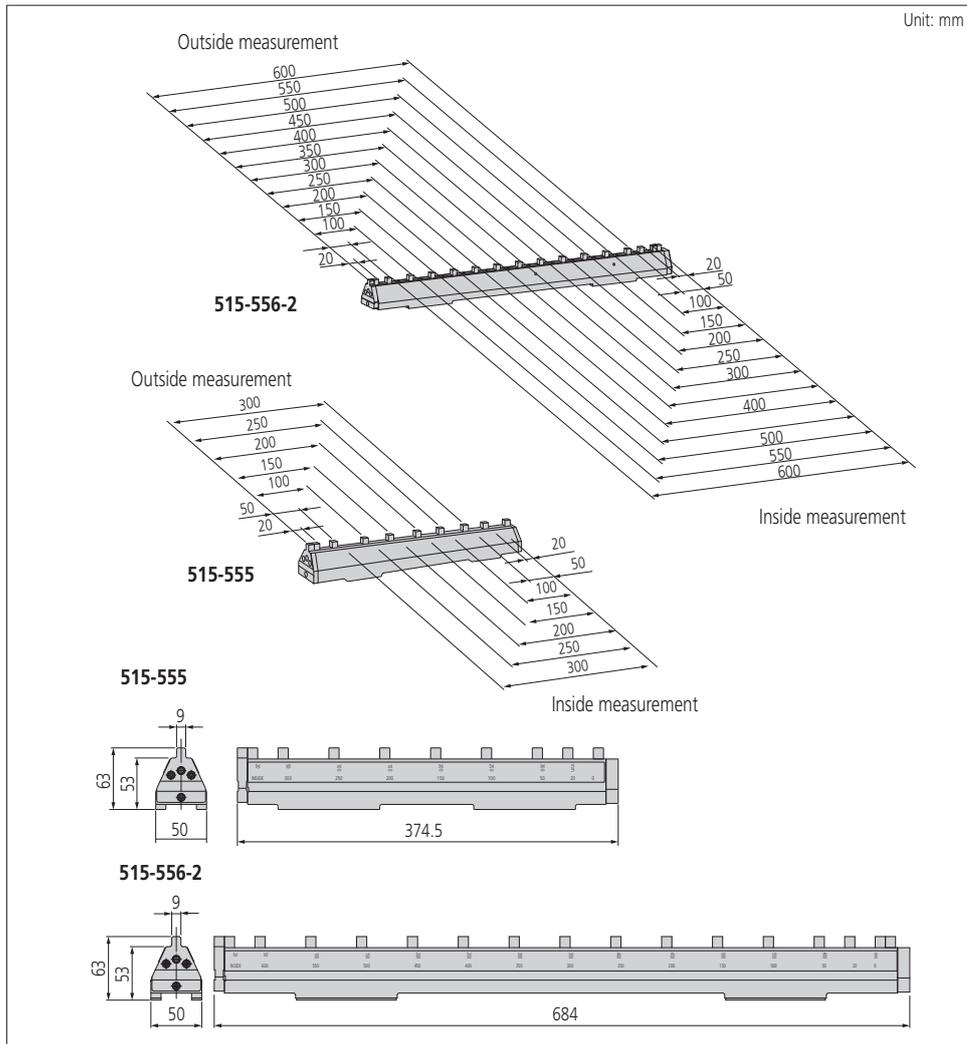
Code No.	Range	Block pitch accuracy*		Parallelism of blocks*		Mass	Price
		20-300 mm	350-600 mm	20-300 mm	350-600 mm		
515-555	0-300 mm	±5.0 µm	—	2.0 µm	—	4 kg	£2320.00
515-556-2	0-600 mm		±7.0 µm		4.0 µm		

Inch

Code No.	Range	Block pitch accuracy* 1-12"	Parallelism of blocks* 1-12"	Mass	Price
515-565	0-12"	±.0002"	.00008"	4 kg	£2320.00

* The block accuracy and parallelism are based on the following:
 Outside caliper and height gauge: lower end reference plane
 Inside caliper: inside reference plane

Dimensions



Optional Accessories

Code No.	Description	Price
602162	Wooden case for 300 mm / 12" model	£244.00
602164	Wooden case for 600 mm model	£266.00



Checking the accuracy of a caliper (outside measurement).



Checking the accuracy of a caliper (inside measurement).



Setting a height gauge.

Contact Sensor

The contact sensor eliminates errors caused by non-contact of the scriber with a workpiece while making measurements. When the scriber of a height gauge touches a conductive workpiece, an indicator lights up to indicate that a measurement can be taken, which results in consistent results.

- Magnet is incorporated.
- Battery (PR44, 2 pcs required) is not included.

Code No.	Description	Price
900872	Contact sensor	£66.70



Centre Probe

Allows quick measurement of Centre-to-Centre distance between holes.

- Measurable hole diameters: 1 - 38 mm / .04 - 1.5".
- Mounting position dimension: 99 mm.

Code No.	Description	Price
951144	Metric centre probe	£98.90
900581	Inch centre probe	£98.90

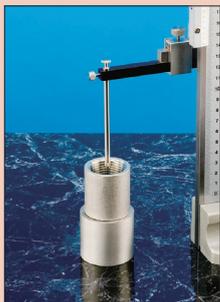


Depth Gauge Attachment

Attaches to a height gauge for measuring groove and hole depth.

- Minimum hole diameter: 5.5 mm / .22".
- Maximum distance from the bottom of the holding bar to the contact point: 80 mm (metric type), 2.95" (inch type).
- Dial indicator contact points are usable.
- Mounting position dimension: 99 mm.
- Holding bar length: 100 mm.

Code No.	Description	Price
900764	Metric depth gauge attachment	£25.90
900878	Inch depth gauge attachment	£25.90



For Height Gauges

Scriber



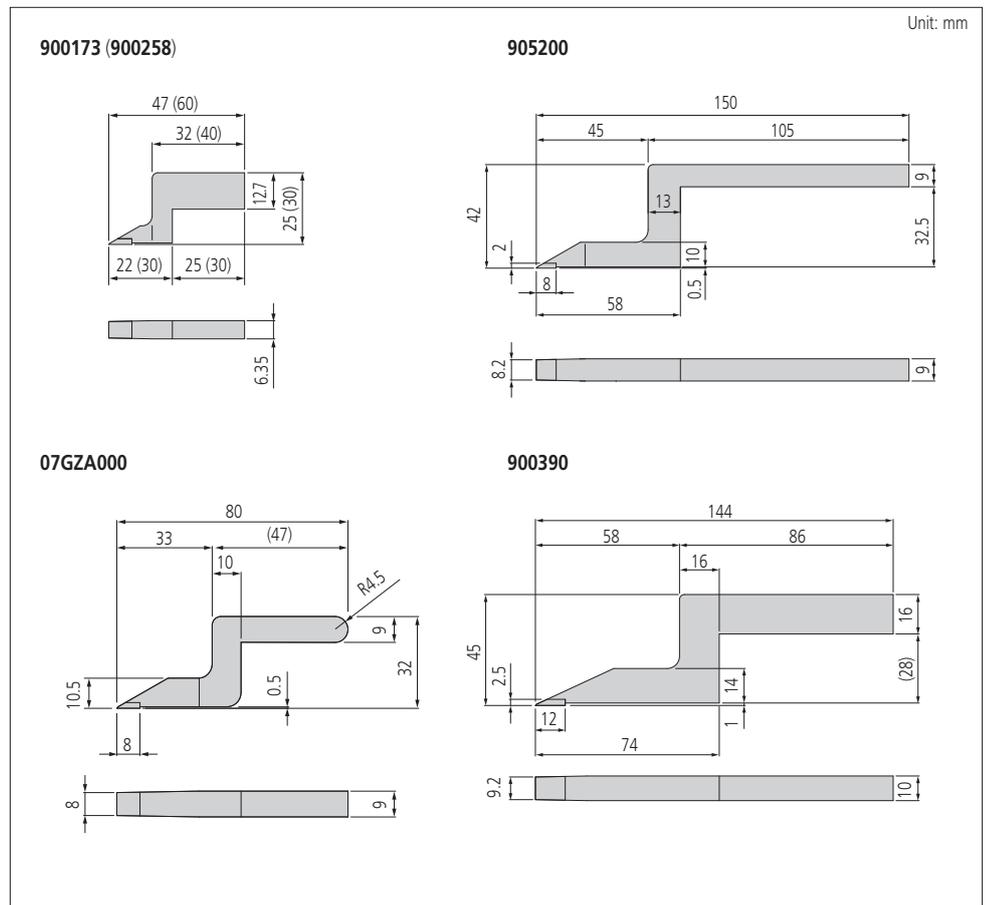
Metric

Code No.	Applicable Height Gauges	Price
07GZA000	192 Series Dial Height Gauges (192-130, 192-131, 192-132, 192-133) 514 Series Vernier Height Gauges (514-103, 514-105, 514-107)	£40.20
905200	514 Series Vernier Height Gauges (514-109)	£93.40

Inch

Code No.	Applicable Height Gauges	Price
900173	570 Series Digimatic Height Gauges (570-227, 570-244) 506 Series Vernier Height Gauges (506-208)	£43.20
900258	192 Series Digimatic Height Gauges (192-630-10, 192-631-10, 192-632-10, 192-633-10) 570 Series Digimatic Height Gauges (570-312, 570-313, 570-314) 192 Series Dial Height Gauges (192-150, 192-151, 192-152, 192-153) 574 Series Heightmatic (574-212-1, 574-211-1, 574-210-1)	£43.20
905201	192 Series Digimatic Height Gauges (192-670-10, 192-671-10, 192-672-10, 192-673-10) 570 Series Digimatic Height Gauges (570-248)	£90.40

Scriber Dimensions



Height Gauges

SERIES 518 – Linear Height Digimatic 2D Measurement System

- Excellent accuracy of $(1.1+0.6L/600) \mu\text{m}$ with $0.1 \mu\text{m}/0.4 \mu\text{m}$ resolution/repeatability.
- High-accuracy Height Gauge incorporating a wide range of measurement functions.
- To achieve best-in-class accuracy, a high-accuracy reflective-type linear encoder and an exceptionally straight guide are used.
- Measurement can be implemented by icon-based commands that also support easy one-key operation. Perpendicularity (frontal) of $5 \mu\text{m}$ and straightness of $4 \mu\text{m}$ are guaranteed.
- A best-in-class large colour LCD with excellent visibility is used.
- Pneumatic full/semi-floating suspension system allows adjustment of air-cushion height.
- Basic statistical functions are provided and, additionally, RS-232C data output provides the option of evaluating measurement data externally with SPC software on a PC.



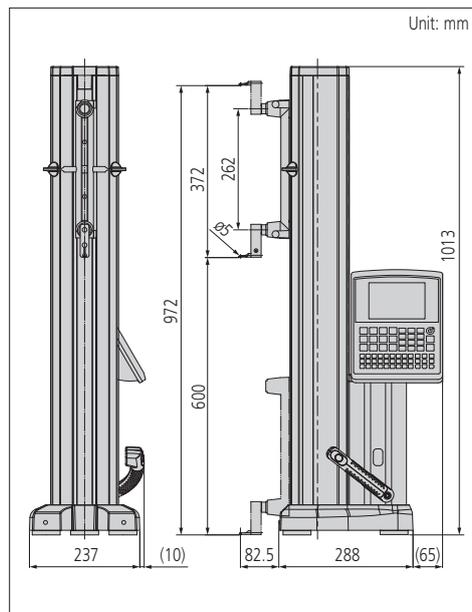
Running the pneumatic suspension allows frictionless movement on a surface plate.



The power grip makes it easy to approach the workpiece.



Dimensions

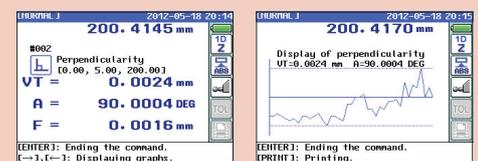
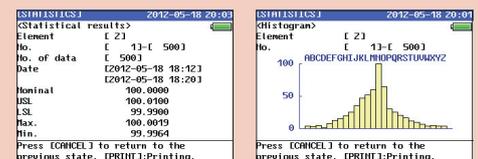


Technical Data

- Measuring range: 0-972 mm
 Slider stroke: 600 mm
 Resolution (switchable): 0.0001/0.001/0.01/0.1 mm or .000001/.00001/.0001/.001"
- Accuracy at 20°C*1: $(1.1+0.6L/600) \mu\text{m}$,
 L = measuring length in mm
- Repeatability (2σ)*1
 Plane: 0.4 μm
 Bore: 0.9 μm
- Perpendicularity*2: 5 μm (after compensation)
 Straightness*2: 4 μm (mechanical straightness)
 Drive method: Manual/motor (5-40 mm/s, 7 steps)
 Measuring force: 1N
 Balancing method: Counter balance
 Suspension method: Full/semi-floating with built-in air compressor
- Display: Colour TFT LCD (320 x 240 dot, with LED backlight)
 Language for display: Japanese, English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Czech, Hungarian, Slovene, Polish, Traditional Chinese, Korean, and Simplified Chinese
- No. of stored programs: 50 (max.)
 No. of stored data: 60,000 (max.)
 Power supply: AC adapter/battery (Ni-MH)
 Battery operation time: Approx. 5 hours (air suspension and slider elevation: 25% duty cycle)
- *1 Guaranteed when using the standard eccentric $\phi 5$ probe
 *2 Guaranteed when using the Lever Head (MLH-321) or Mu-checker (M-411)

Standard Accessories

- 12AAF634:** 5-stepped probe
12AAA715: Ball-diameter correction block
 Note: When the correction is performed by using the taper type contact point, the ball-diameter correction block **12AAA787** (for taper type contact point) is required.
12AAF674: Auxiliary weight (2 pcs.)



Specifications

Inch/Metric		
Code No.	Remarks	Price
518-351E-21	—	£4940.00
518-352E-21	Power grip pre-installed	£5200.00

Optional Accessories

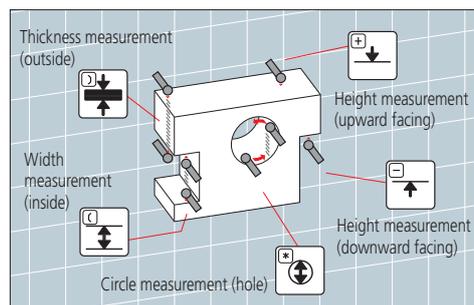
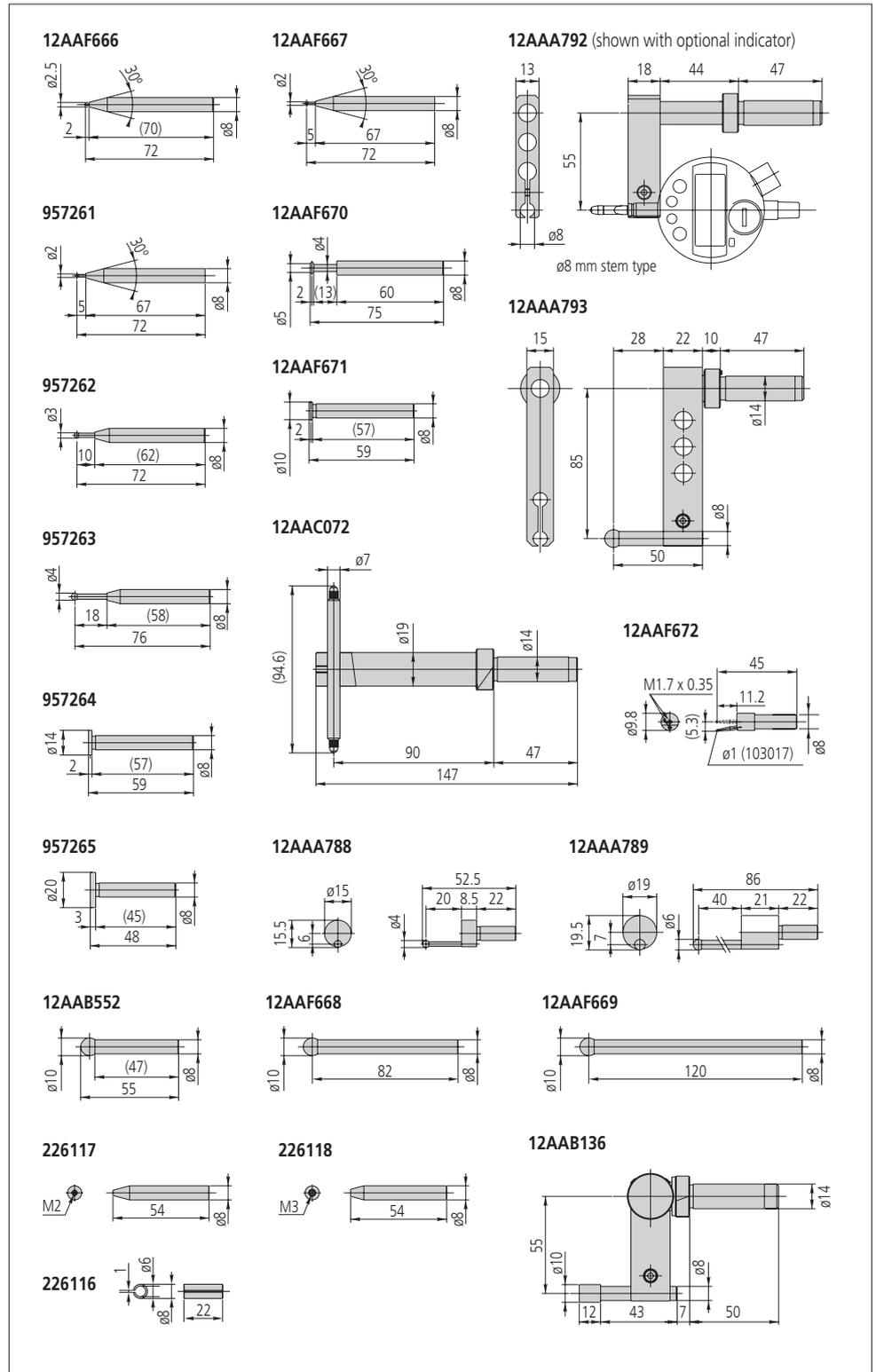
Code No.	Description	Price
12AAC072	Depth probe	£363.00
12AAC073	ø20 mm taper probe	£77.10
12AAA787	Block for calibrating probe diameter (applicable to taper probe)	£171.00
12AAA792	Dial indicator (ø8 mm stem) holder	£71.50
12AAA793	Probe extension holder (85 mm / 3.3")	£71.50
12AAB136	ø10 mm cylindrical probe	£248.00
932361	Mu-checker lever head holder - additional auxiliary weights are required (total 4 pcs).	£391.00
12AAF666	ø1 mm ball probe (coaxial type)	£114.00
12AAF667	ø2 mm ruby ball probe (coaxial type)	£150.00
957261	ø2 mm ball probe (coaxial type)	£108.00
957262	ø3 mm ball probe (coaxial type)	£113.00
957263	ø4 mm ball probe (coaxial type)	£121.00
12AAB552	ø10 mm ball probe, L = 55 mm (coaxial type)	£144.00
12AAF668	ø10 mm ball probe, L = 82 mm (coaxial type)	£109.00
12AAF669	ø10 mm ball probe, L = 120 mm (coaxial type)	£196.00
12AAF670	ø5 mm disc probe	£126.00
12AAF671	ø10 mm disc probe	£95.50
957264	ø14 mm disc probe	£161.00
957265	ø20 mm disc probe	£194.00
12AAF672	ø1 mm ball offset probe	£102.00
12AAA788	ø4 mm ball offset probe	£121.00
05HAA394	ø5 mm ball offset probe	£125.00
12AAA789	ø6 mm ball offset probe	£129.00
226116	Test indicator (ø6 mm stem) adapter	£14.80
12AAA879	Sample workpiece	£194.00
226117	M2 CMM stylus adapter* ³	£60.50
226118	M3 CMM stylus adapter* ³	£60.50
932377A	ø2 CMM ball probe	£596.00
932378A	ø3 CMM ball probe	£563.00
932379A	ø5 CMM ball probe	£575.00
932380A	ø6 CMM ball probe	£596.00
532328	ø10 CMM ball probe	£207.00
532345	ø20 disc probe	£227.00
930803	ø30 disc probe	£360.00
12AAF712	Battery pack	£81.20
12AAF675	Set with cover for large capacity battery	£610.00
12AAG245	Large-capacity battery	£253.00

Various peripheral devices

12AAN050	Thermal printer	£932.00
12AAH035	FDD unit (USB)	£138.00
12AAA802-1	Thermal printing paper	£6.00
12AAA804	Cable for page printer (2 m)	£43.60
12AAA807D	RS-232C cable (2 m / 80")	£35.10
12AAG920	RS-232C cable (3 m / 118")	£57.50
936937	Digimatic cable (1 m)	£32.90
965014	Digimatic cable (2 m)	£45.00

*³ Stylus for CMMs can be provide.

Optional Accessories



Example of measurements.

Height Gauges

SERIES 518 – QM-Height ABSOLUTE Digimatic High Precision Height Gauge

ABSOLUTE



- High-performance height gauge with best-in-class accuracy and perpendicularity plus GO/±NG judgement functionality.
- Redesigned control panel features a dual-numeric display that shows the difference between the previous measurement value and the current value as well as the current value.
- Newly developed high accuracy and high resolution ABSOLUTE linear encoder for position detection. Once origin is set, origin setting is not required each time you turn the power ON (except in the case of a large environmental temperature change).
- GO/±NG judgement is performed by setting upper and lower tolerances. If a judgement result is out of tolerance the 3-colour LED above the display changes from green to red or orange, so tolerance judgement can be made at a glance.
- Frequent-use measurement such as inside/outside diameter and pitch calculation can be implemented by icon-based commands that also support easy one-key operation.
- Inside/outside diameters can be measured via a unique method (detect circle apex by tracing measurement*).
- Slider elevation knob (for travel) / wheel (for measurement) allows fine and coarse height adjustment.
- An angled grip (detachable standard accessory) is conveniently placed for moving the QM-Height on the surface plate and the pneumatic suspension system enables easy, friction-free positioning.
- SPC (Digimatic) and RS-232C data output enables incorporation into statistical process control and measurement systems.

* Tracing measurement stroke is approx. 1 mm upwards and downwards from the measurement start point.

Standard Accessories

- 05HZA148:** ø5 mm offset probe
- 12AAA715:** Ball-diameter correction block
- Auxiliary grip



The power grip provides easy handling.



GO on the display and the panel LED showing GREEN means the measurement is within the tolerance limits.



±NG on the screen and the panel LED showing ORANGE (-NG) or RED (+NG) means the measurement is outside the tolerance limits.



518-237

Specifications

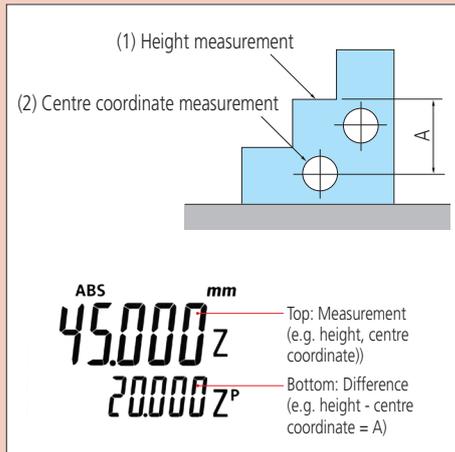
Inch/Metric		518-235	518-237
Code No.		518-235	518-237
Range		0 - 350 mm (0 - 14")	0 - 600 mm (0 - 24")
Resolution		0.001 / 0.0005 mm (.00005" / .00001")	
Accuracy at 20°C	Accuracy*	±(2.4+2.1L/600) µm, L = measured length (mm)	
	Repeatability*	2σ ≤ 1.8 µm	
Perpendicularity		7 µm	12 µm
Guiding method		Roller bearing	
Drive method		Manual	
Scale type		ABSOLUTE electromagnetic linear encoder	
Measuring force		1.5 ± 0.5 N	
Display		LCD	
Power supply		AC adapter (optional) / battery (LR6 x 4)	
Battery operation time		Approx. 300 hours (not using pneumatic suspension system)	
		Approx. 80 hours (using pneumatic suspension system regularly)	
Mass		26 kg	30 kg
Dimensions (W x H x D)		280 x 784 x 273 mm	280 x 1016 x 273 mm
Price		£2590.00	£2980.00

* Guaranteed when using the standard ø5 mm offset probe.

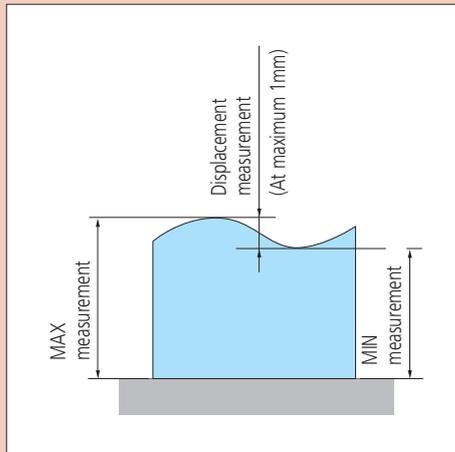
Optional Accessories

Code No.	Description	Price
12AAC072	Depth probe	£363.00
12AAA792	Dial indicator (ø8 mm stem) holder	£71.50
12AAA793	Probe extension holder (85 mm / 3.3")	£71.50
957261	ø2 mm ball probe (coaxial type)	£108.00
957262	ø3 mm ball probe (coaxial type)	£113.00
957263	ø4 mm ball probe (coaxial type)	£121.00
957264	ø14 mm disc probe	£161.00
957265	ø20 mm disc probe	£194.00
12AAA788	ø4 mm ball offset probe	£121.00
12AAA789	ø6 mm ball offset probe	£129.00
Cables		
936937	Digimatic cable (1 m)	£32.90
965014	Digimatic cable (2 m)	£45.00

Application examples

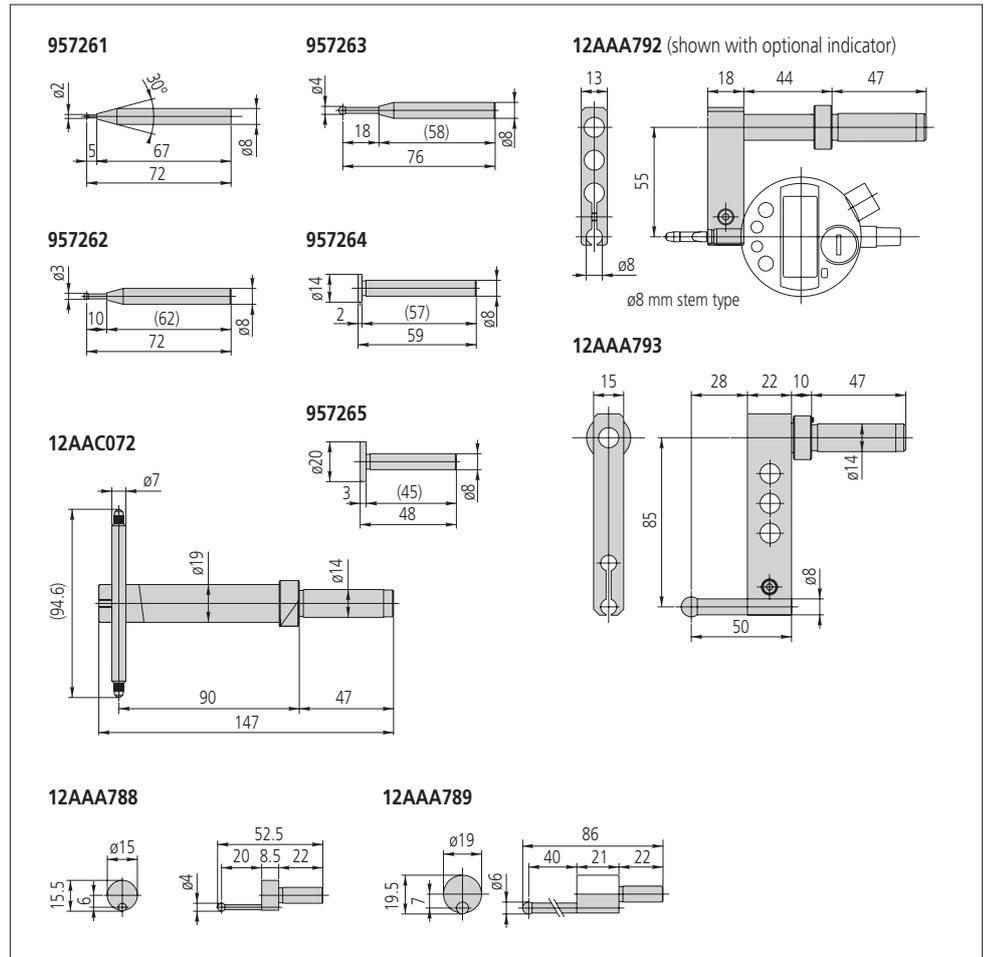


Dimension difference measurement.

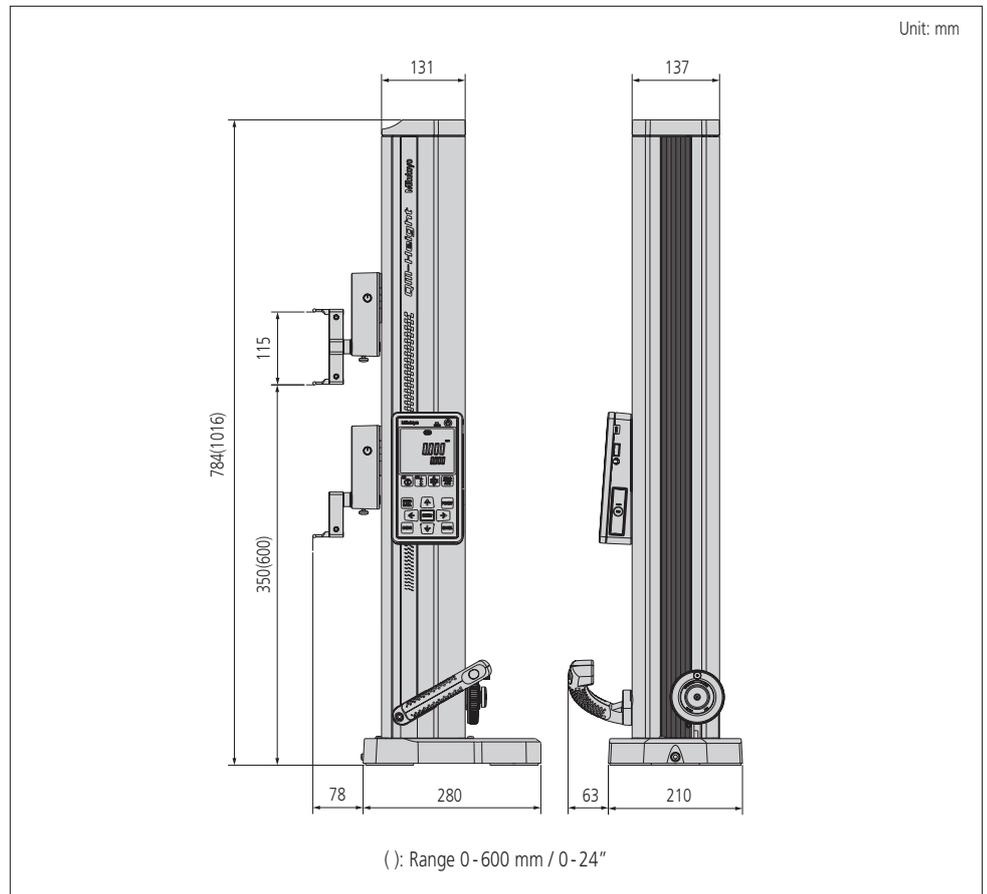


Maximum/minimum and displacement measurement.

Optional Accessories



Dimensions



Depth Gauges

SERIES 329 – Digimatic Interchangeable Rod Depth Micrometer

- This type uses interchangeable rods to enable wide-range measurement.
- Allows integration into statistical process control and measurement systems.
- Measuring rod diameter: $\varnothing 4$ mm.
- Measuring rod lock.
- Ratchet stop provides constant measuring force.

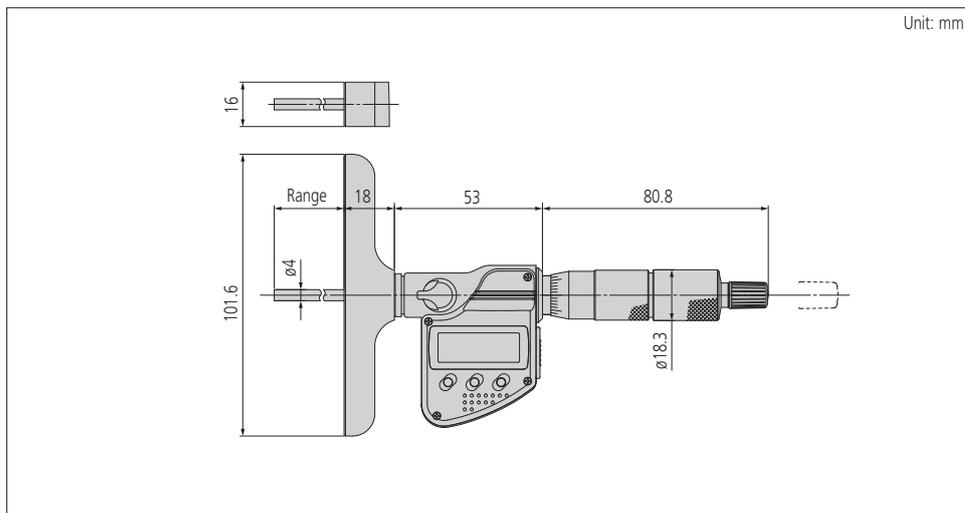


Specifications

Inch/Metric

Code No.	Range	Resolution	Base	No. of rods	Price
329-350-30	0 - 150 mm (0 - 6")	0.001 mm (.00005")	4 x .63"	6	£564.00
329-351-30	0 - 300 mm (0 - 12")	0.001 mm (.0001")		12	£794.00

Dimensions



Technical Data

Accuracy*

Micrometer head: $\pm 3 \mu\text{m} / \pm 0.00015''$ (excluding quantizing error)

Interchangeable rod: $\pm (2 + R/75) \mu\text{m} / \pm [.0001 + .00005 (R/3)]''$

Flatness of measuring

rod face: 0.3 μm

Parallelism between

reference face and

measuring rod face*: $(4 + R/50) \mu\text{m} / [.00016 + .00004 (R/2)]''$

Battery:

SR44 (2 pcs) **938882**

Battery life:

Approx. 1.2 years under normal use

* R = max. range (mm/inch)

Note: Fractions rounded up

Optional Accessories

Code No.	Description	Price
05CZA662	SPC data cable with pushbutton (1 m)	£67.30
05CZA663	SPC data cable with pushbutton (2 m)	£81.00
06ADV380B	USB Input Tool Direct USB-ITN-B (2 m)	£122.00
02AZD790B	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140B	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00



Technical Data

Accuracy*

Micrometer head: $\pm 3 \mu\text{m} / \pm 0.0015''$

Interchangeable rod: $\pm(2+R/75) \mu\text{m} /$
 $\pm[.0001+.00005 (R/3)]''$

Flatness of measuring

rod face: $0.3 \mu\text{m}$

Parallelism between

reference face and

measuring rod face*: $(4+R/50) \mu\text{m} /$

$[.00016+.00004 (R/2)]''$

* R = max. range (mm/inch)

Note: Fractions rounded up



SERIES 129 – Interchangeable Rod Depth Micrometer

- This type uses interchangeable rods to enable wide-range measurement.
- Measuring rod diameter: $\varnothing 4 \text{ mm}$.
- Measuring rod lock.
- Ratchet stop provides constant measuring force.



Specifications

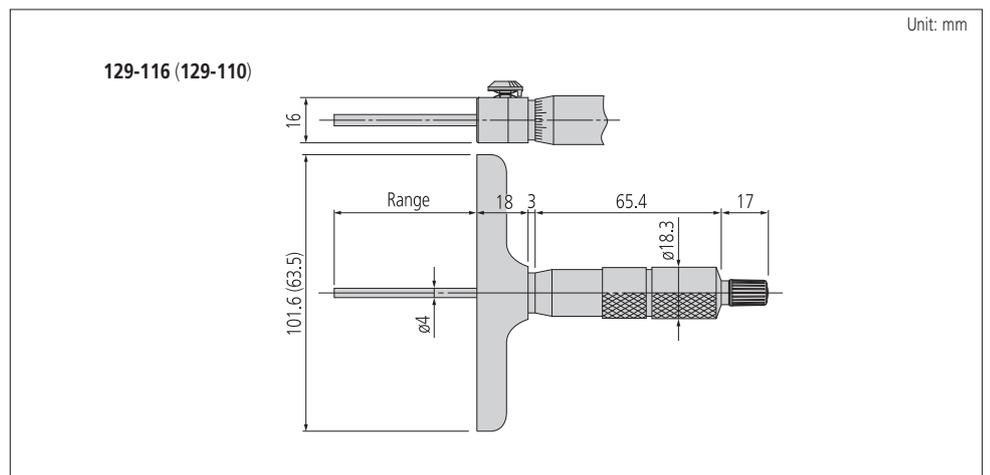
Metric

Code No.	Range	Graduation	Base	No. of rods	Price
129-110	0 - 75 mm	0.01 mm	63.5 x 16 mm	3	£135.00
129-111	0 - 100 mm			4	£136.00
129-112	0 - 150 mm			6	£213.00
129-116	0 - 150 mm		101.6 x 16 mm	6	£225.00
129-153	0 - 300 mm			12	£287.00

Inch

Code No.	Range	Graduation	Base	No. of rods	Price
129-126	0 - 3"	.001"	2.5 x .63"	3	£135.00
129-128	0 - 6"			6	£213.00
129-132	0 - 6"		4 x .63"	6	£225.00
129-150	0 - 12"			12	£287.00

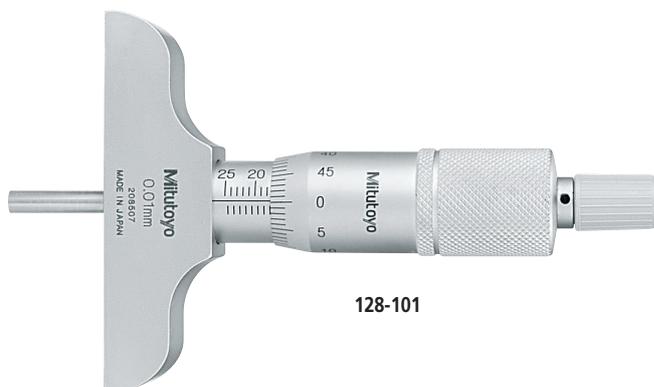
Dimensions



Depth Gauges

SERIES 128 – Depth Micrometer

- Measuring rod diameter: $\varnothing 4$ mm.
- Ratchet stop provides constant measuring force.



Technical Data

Flatness of
reference face: 1.3 μm (.00005") for 63.5 mm (2.5")
length base, 2 μm (.00008") for
101.6 mm (4") length base

Flatness of measuring
spindle face: 0.3 μm



Specifications

Metric					
Code No.	Range	Accuracy	Graduation	Base	Price
128-101	0 - 25 mm	$\pm 3 \mu\text{m}$	0.01 mm	63.5 x 16 mm	£91.10
128-102				101.6 x 16 mm	£115.00
Inch					
Code No.	Range	Accuracy	Graduation	Base	Price
128-105	0 - 1"	$\pm .00015$ "	.001"	2.5 x .63"	£91.10
128-106				4 x .63"	£115.00

Technical Data

Repeatability:	0.01 mm (.0005")
Scale type:	ABSOLUTE electrostatic linear encoder
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for 300 mm / 12" models).

Optional Accessories

Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00

SERIES 571 – ABSOLUTE Digimatic Coolant Proof Depth Gauge

- Enables stable depth measurement with a resolution of 0.01 mm.
- Features Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Optional longer extension bases are available.
- Sliding operation is smooth and comfortable.
- Data output function allows integration into statistical process control and measurement systems.



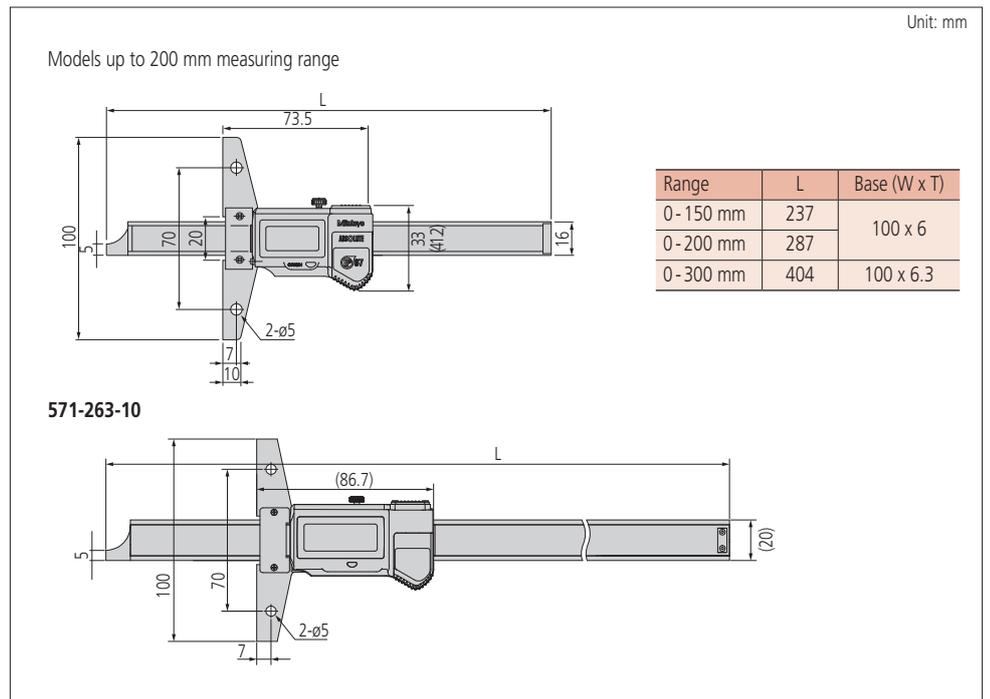
571-261-10

Specifications

Inch/Metric				
Code No.	Range	Resolution	Accuracy*	Price
571-261-10	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	£398.00
571-262-10	0 - 200 mm (0 - 8")			£454.00
571-263-10	0 - 300 mm (0 - 12")		±0.03 mm (±.0015")	£467.00

* Excluding quantizing error.

Dimensions

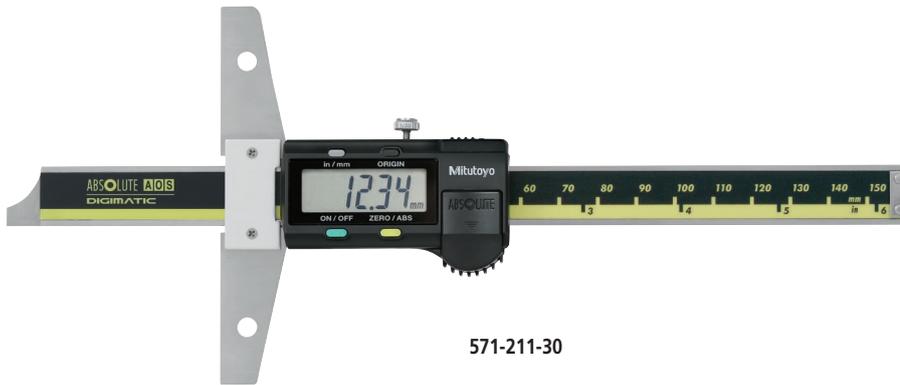


Depth Gauges

SERIES 571 – ABSOLUTE Digimatic Depth Gauge

- Enables stable depth measurement with a resolution of 0.01 mm.
- Features Mitutoyo's ABSOLUTE system. No need to reset the origin after switching on.
- Optional longer extension bases are available (except for models with measuring ranges of 600, 750, 1000 mm).
- Data output function allows integration into statistical process control and measurement systems.

ABSOLUTE



571-211-30

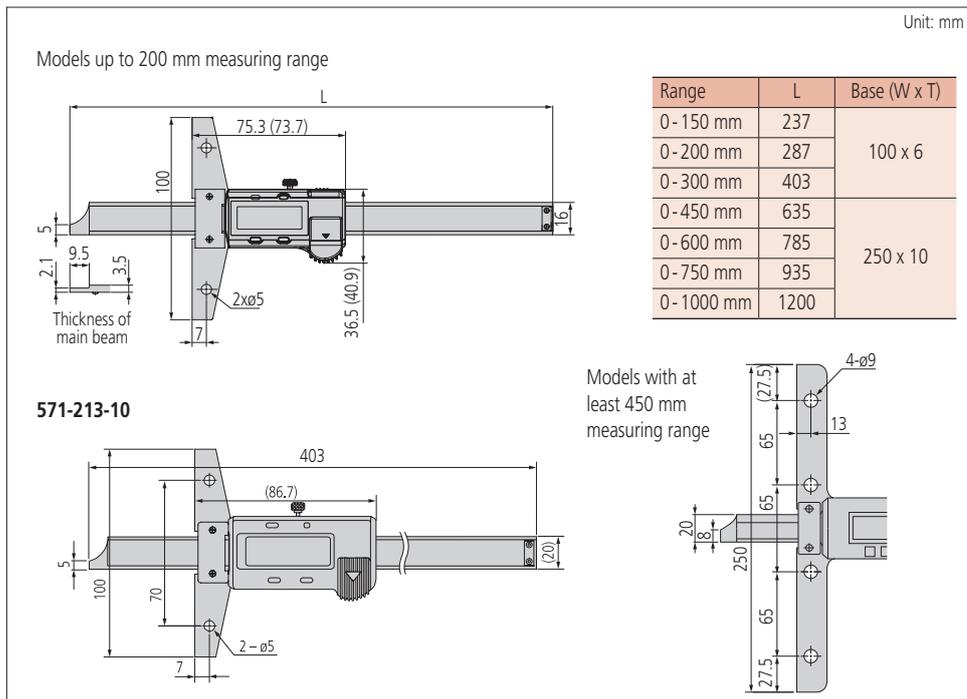
Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*	Price
571-211-30	0 - 150 mm (0 - 6")	0.01 mm (.0005")	±0.02 mm (±.001")	£350.00
571-212-30	0 - 200 mm (0 - 8")			£364.00
571-213-10	0 - 300 mm (0 - 12")		±0.03 mm (±.0015")	£467.00
571-214-10	0 - 450 mm (0 - 18")		±0.05 mm (±.002")	£646.00
571-215-10	0 - 600 mm (0 - 24")			£733.00
571-216-10	0 - 750 mm (0 - 30")		±0.06 mm (±.0025")	£748.00
571-217-10	0 - 1000 mm (0 - 40")	±0.07 mm (±.0025")	£810.00	

* Excluding quantizing error.

Dimensions



Mitutoyo

D-57

Mitutoyo operates a policy of continuous improvement that aims to provide the customer with the benefit of the latest technological advances. Therefore the company reserves the right to change any or all aspects of any product specification without notice.

Technical Data

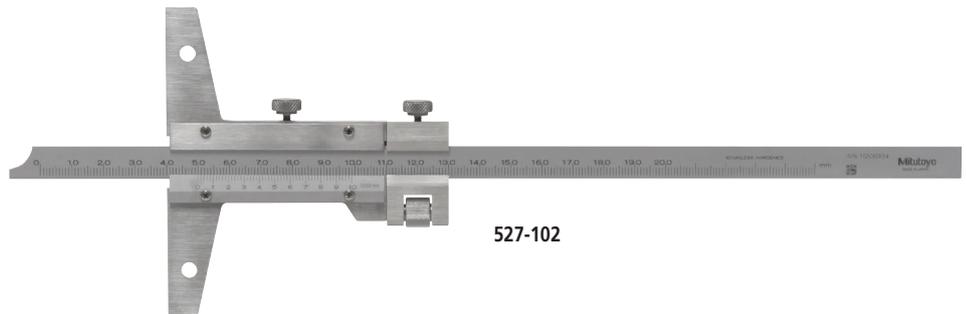
Repeatability:	0.01 mm (.0005")
Scale type:	ABSOLUTE electrostatic linear encoder
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year for 300 mm / 12" models).

Optional Accessories

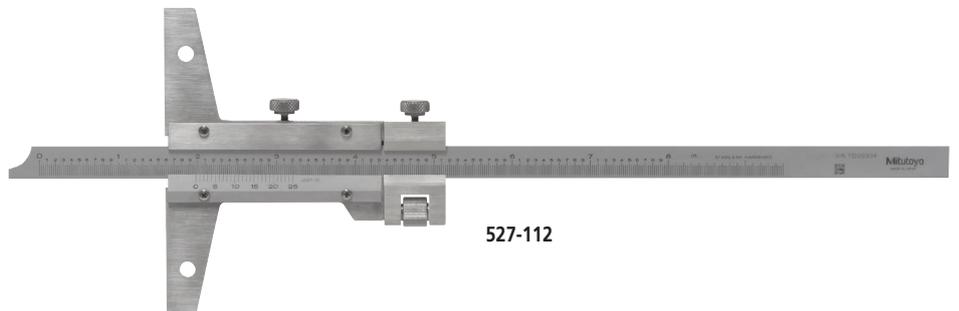
Code No.	Description	Price
959149	SPC data cable with pushbutton (1 m)	£34.60
959150	SPC data cable with pushbutton (2 m)	£39.40
06ADV380C	USB Input Tool Direct USB-ITN-A (2 m)	£105.00
02AZD790C	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140C	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£123.00
959143	Data hold unit	£19.60

SERIES 527 – Vernier Depth Gauge

- Standard gauge for depth measurement.
- Optional longer extension bases are available (except for models with measuring ranges of 600 and 1000 mm).



527-102



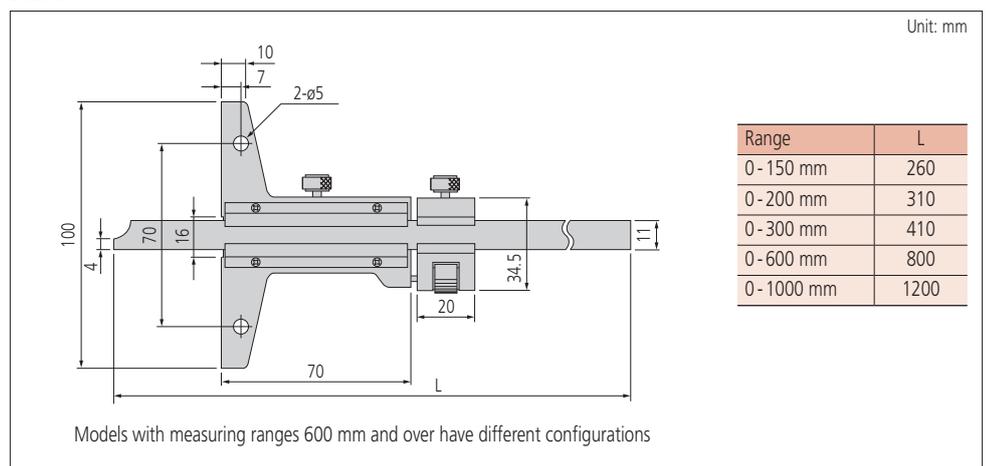
527-112

Specifications

Metric						
Code No.	Range	Graduation	Accuracy	Base (W x T)	Remarks	Price
527-101	0 - 150 mm	0.02 mm	±0.05 mm	100 x 6.5 mm	With fine adjustment	£97.20
527-102	0 - 200 mm					£108.00
527-103	0 - 300 mm					£151.00
527-104	0 - 600 mm		±0.10 mm	250 x 10 mm		£644.00
527-105	0 - 1000 mm		±0.15 mm			£693.00

Inch						
Code No.	Range	Graduation	Accuracy	Base (W x T)	Remarks	Price
527-111	0 - 6"	.001"	±.001"	3.93 x .25"	With fine adjustment	£97.20
527-112	0 - 8"					£108.00
527-113	0 - 12"					±.0015"
527-114	0 - 24"		±.002"	£644.00		
527-115	0 - 40"		±.003"	£693.00		

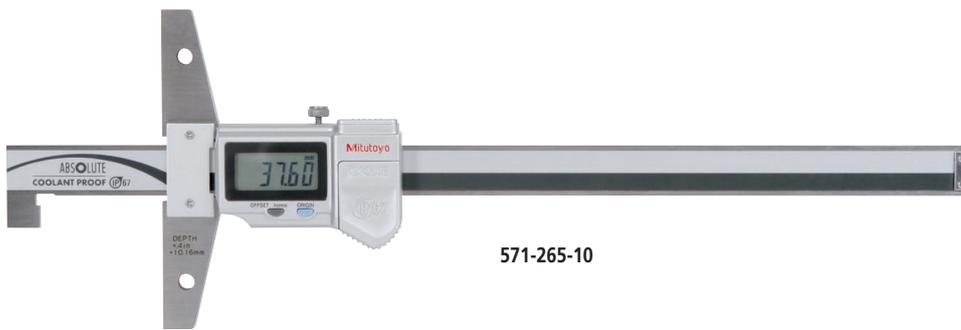
Dimensions



Depth Gauges

SERIES 571 – ABSOLUTE Digimatic Coolant Proof Hook End Depth Gauge

- The end of the main beam is hook-shaped to allow depth and thickness measurements of a projected portion or lip in a hole, in addition to standard depth measurement.
- Enables stable depth measurement with a resolution of 0.01 mm.
- Features Mitutoyo's ABSOLUTE system with IP67 ingress protection. No need to reset the origin after switching on.
- Optional longer extension bases are available.
- The OFF button is used to switch between direct display of hook and depth readings.
- Slider operation is smooth and comfortable.
- Models with measurement data output connector may be integrated into statistical process control and measurement systems.



Specifications

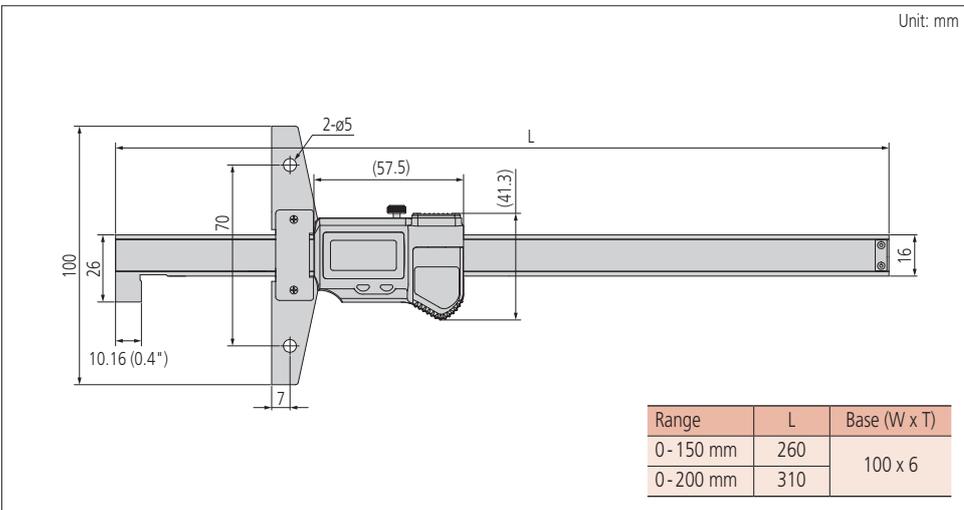
Inch/Metric

Code No.	Range: L1 (L2)* ²	Resolution	Accuracy* ¹	Price
571-264-10	10 - 160 mm (0 - 150 mm) / .4 - 6.4" (0 - 6")	0.01 mm / .0005"	±0.03 mm / ±.0015"	£414.00
571-265-10	10 - 210 mm (0 - 200 mm) / .4 - 8.4" (0 - 8")			£467.00

*¹ Excluding quantizing error.

*² The range of L3 extends from the minimum range value of L1 to the maximum range value of L2, and is therefore less than that of L2 by at least the length of the hook.

Dimensions

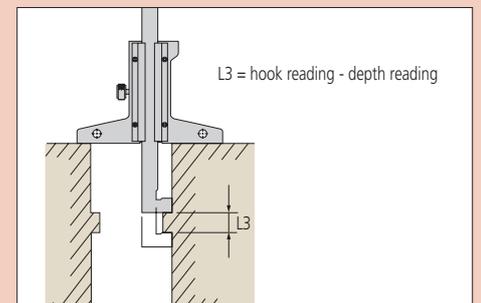
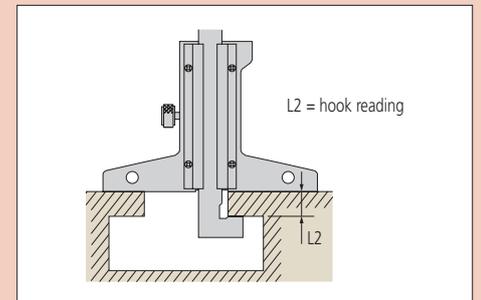
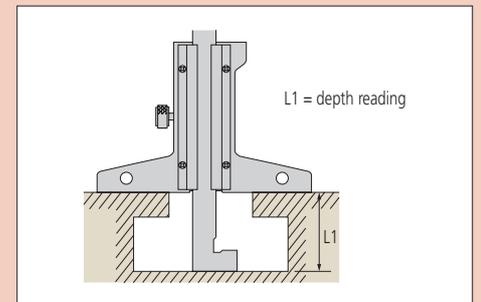


Technical Data

Scale type:	ABSOLUTE electrostatic linear encoder
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use.

Optional Accessories

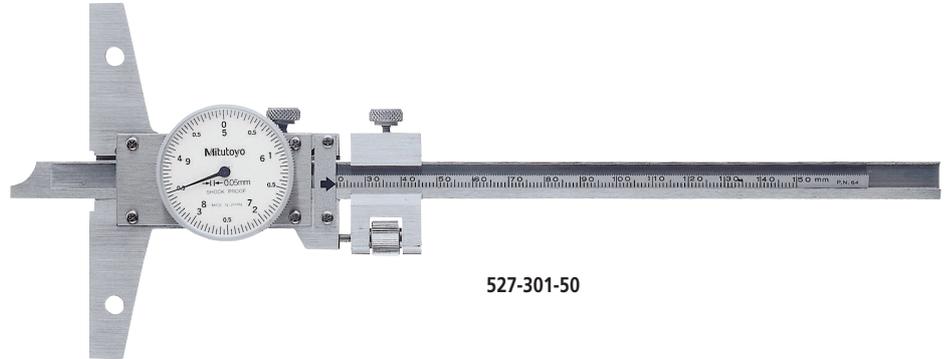
Code No.	Description	Price
05CZA624	SPC data cable with pushbutton (1 m)	£67.30
05CZA625	SPC data cable with pushbutton (2 m)	£81.00
06ADV380A	USB Input Tool Direct USB-ITN-A (2 m)	£122.00
02AZD790A	SPC data cable for U-WAVE-T (160 mm)	£60.10
02AZE140A	SPC data cable for U-WAVE-T and footswitch (160/500 mm)	£137.00





SERIES 527 – Dial Fine Adjustment Depth Gauge

- Easy-to-read dial caliper with rack and pinion magnification mechanism.
- Optional longer extension bases are available.

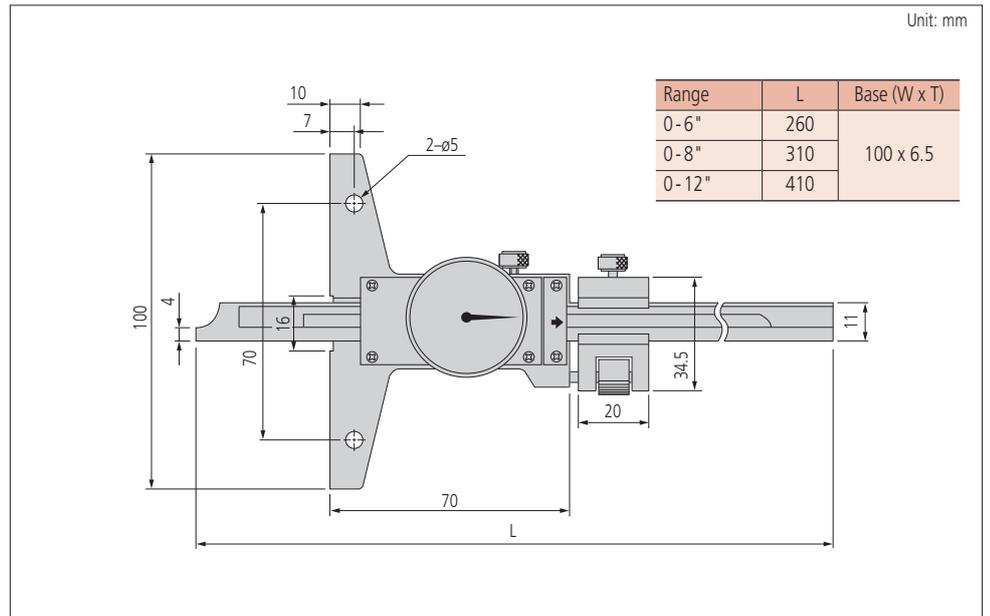


527-301-50

Specifications

Metric				
Code No.	Range	Dial graduation	Accuracy	Price
527-301-50	0 - 150 mm	0.05 mm	±0.05 mm	£207.00
Inch				
Code No.	Range	Dial graduation	Accuracy	Price
527-311-50	0 - 6"	.001"	±.001"	£207.00
527-312-50	0 - 8"			£242.00
527-313-50	0 - 12"		±.0015"	£276.00

Dimensions



Depth Gauges

SERIES 7 – Dial Depth Gauges

- Optimal for hole, narrow groove and step measurement.



7211



7214



7222

Specifications

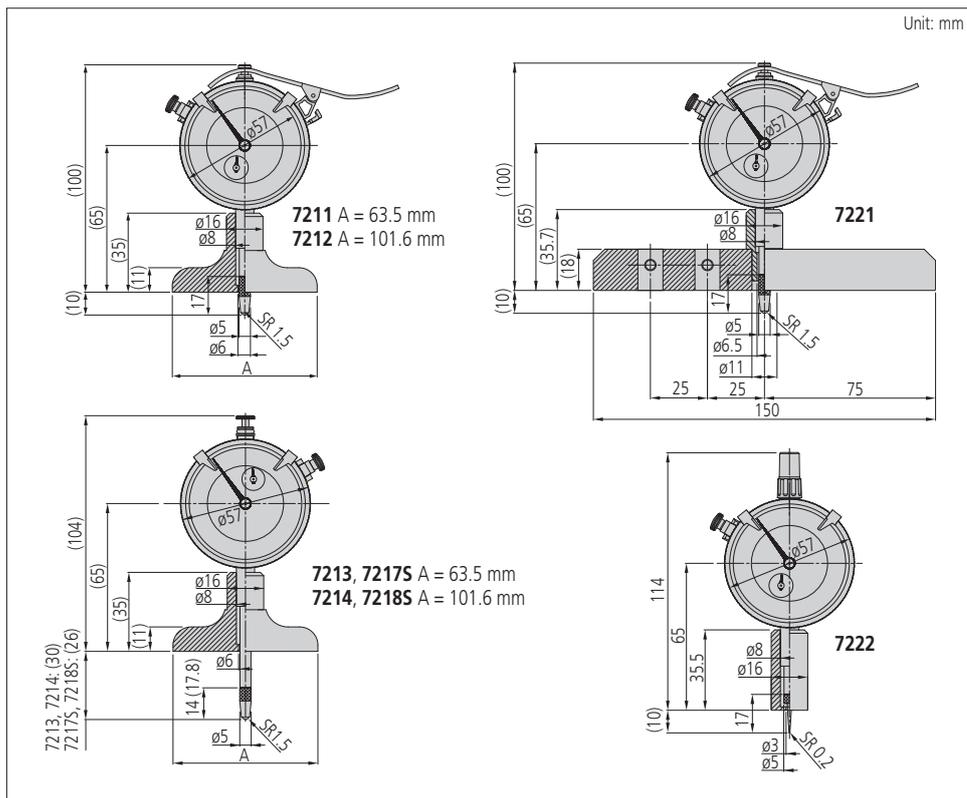
Metric

Code No.	Range	Accuracy	Stroke	Measuring force	Extension rod	Dial indicator	Price
7211	0 - 200 mm	±15 µm	10 mm	1.4N	5 pcs. (10, 20, 30, 30, 100 mm)	2902SB	£152.00
7212							£157.00
7213	0 - 210 mm	±30 µm	30 mm	2.5N	3 pcs. (30, 60, 90 mm)	2952SB	£226.00
7214							£303.00
7221	0 - 200 mm	±15 µm	10 mm	1.4N	5 pcs. (10, 20, 30, 30, 100 mm)	2902SB	£218.00
7222							£114.00

Inch

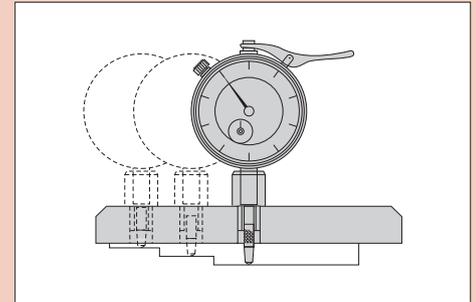
Code No.	Range	Accuracy	Stroke	Measuring force	Extension rod	Dial indicator	Price
7217S	0 - 8"	±.002"	1"	2.5N	3 pcs. (1", 2", 4")	2904SB	£158.00
7218S							£165.00

Dimensions



Technical Data

Graduation:	0.01 mm / .0005"
Base flatness:	5 µm / .0002"
Base thickness:	16 mm (18 mm: 7221)
Mounting positions for the dial indicator:	1 (3: 7221)
Contact point:	Carbide-tipped ball point (needle point: 7222)



7221 allows the mounting position of the dial indicator to be varied.

Caution should be used when exchanging the contact point of a depth gauge

The measurement range may not be maintained when mounting a differently sized contact point than the standard accessory. Zero-setting will not be possible if the contact-point diameter is too large for the plunger hole in the bottom face of the base. Parallelism adjustment with the bottom face of the base is required when mounting a flat contact point such as the flat/needle or carbide-tipped contact point.

Technical Data

Stroke:	12.7 mm / .5"
Measuring force:	1.5N
Base flatness:	5 μm / .0002" (2 μm / .00008" : 543-392B)
Base thickness:	16 mm / .63"
Contact point:	Carbide-tipped ball point
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 7000 hours under normal use

Optional Accessories

Code No.	Description	Price
905338	SPC data cable (1 m)	£32.90
905409	SPC data cable (2 m)	£36.80
02AZD790F	SPC data cable for U-WAVE-T (160 mm)	£60.10

SERIES 547 – ABSOLUTE Digimatic Depth Gauge

- Easy-to-read dial effectively prevents misreading.
- Allows integration into statistical process control and measurement systems for models with a measurement data output connector.

ABSOLUTE



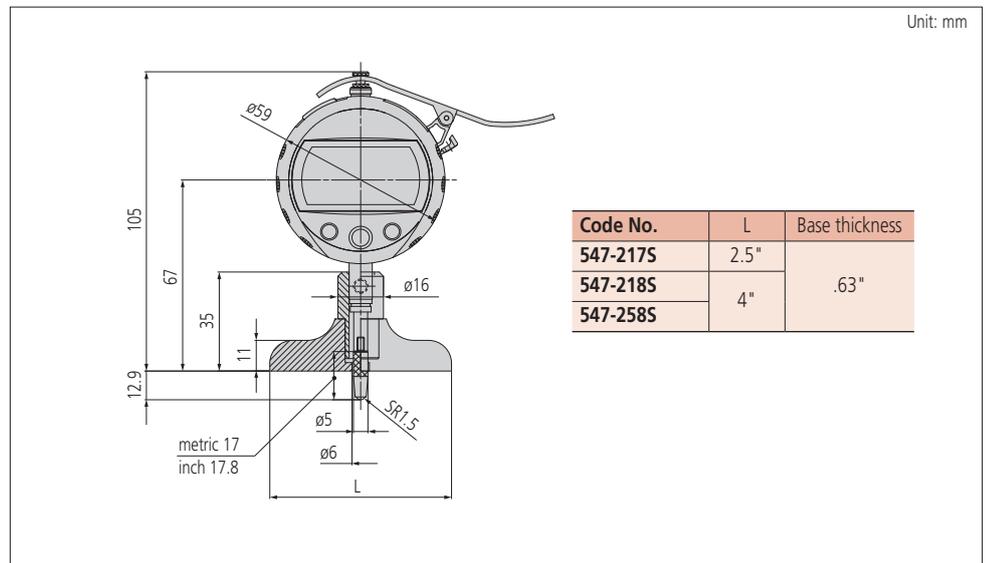
Specifications

Inch/Metric		Code No.	Range	Resolution	Accuracy* ¹	Extension rod	Indicator	Price
		547-217S	0 - 200 mm / 0 - 8"	0.01 mm / .0005"	$\pm 20 \mu\text{m} / \pm .001"$	4 pcs. (.5", 1", 2", 4")	543-402B* ²	£330.00
		547-218S						£336.00
		547-258S						0.001 mm / .00005"

*¹ Excluding quantizing error.

*² The measuring force of this indicator is different from that of the standard 543-402B.

Dimensions



Code No.	L	Base thickness
547-217S	2.5"	.63"
547-218S	4"	
547-258S		

Caution should be used when exchanging the contact point of a depth gauge

The measurement range may not be maintained when mounting a differently sized contact point than the standard accessory. Zero-setting will not be possible if the contact-point diameter is too large for the plunger hole in the bottom face of the base. Parallelism adjustment with the bottom face of the base is required when mounting a flat contact point such as the flat/needle or carbide-tipped contact point.

Optional Accessories

SERIES 515 – Depth Micro Checker

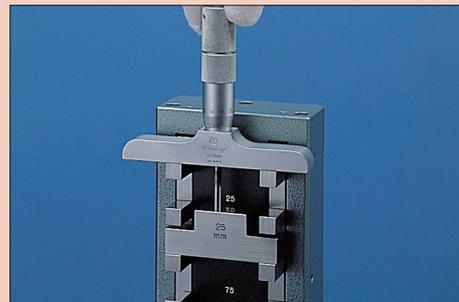
- The Depth Micro Checker is designed to check and help set the range-end points of a depth micrometer.



515-570



515-571



A 25 mm anvil block provides the reference surface for the depth micrometer rod.

Specifications

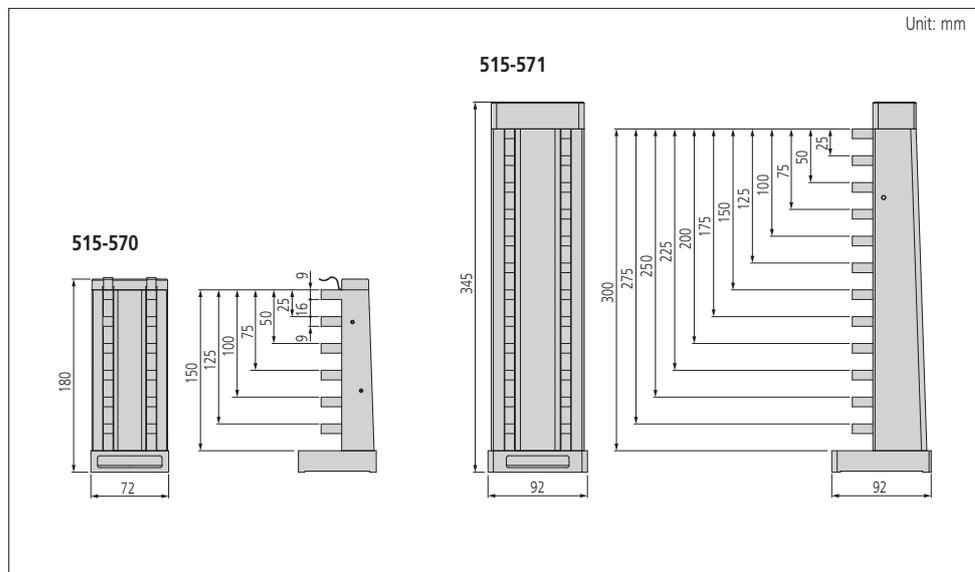
Metric

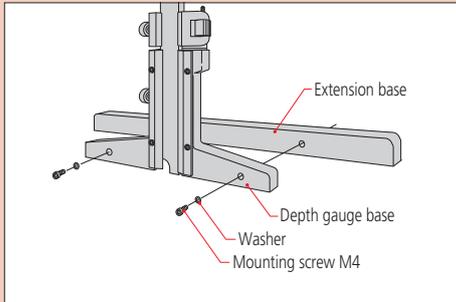
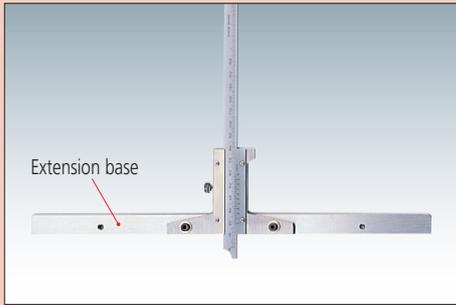
Code No.	Range	Block pitch accuracy	Anvil block accuracy	Price
515-570	0 - 150 mm	$\pm(1+L/150) \mu\text{m}$, L = length to check (mm)	$\pm 0.5 \mu\text{m}$	£1210.00
515-571	0 - 300 mm			£3250.00

Inch

Code No.	Range	Block pitch accuracy	Anvil block accuracy	Price
515-575	0 - 6"	$\pm(40+L/0.15) \mu\text{inch}$, L = length to check (inch)	$\pm 20 \mu\text{inch}$	£1210.00

Dimensions





Extension Bases for Depth Gauges

- Attaches to the base (reference face) plate of a depth gauge to extend its span.
- Refer to the illustrations at left for attachment details.
- These extension bases cannot be attached to 0-600 mm, 0-1000 mm, 0-24" and 0-40" range models.

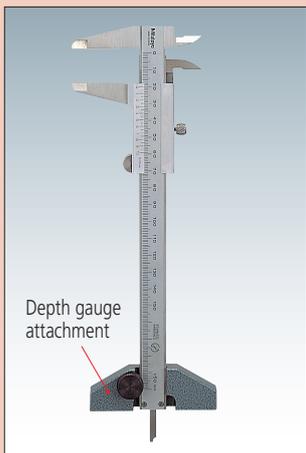
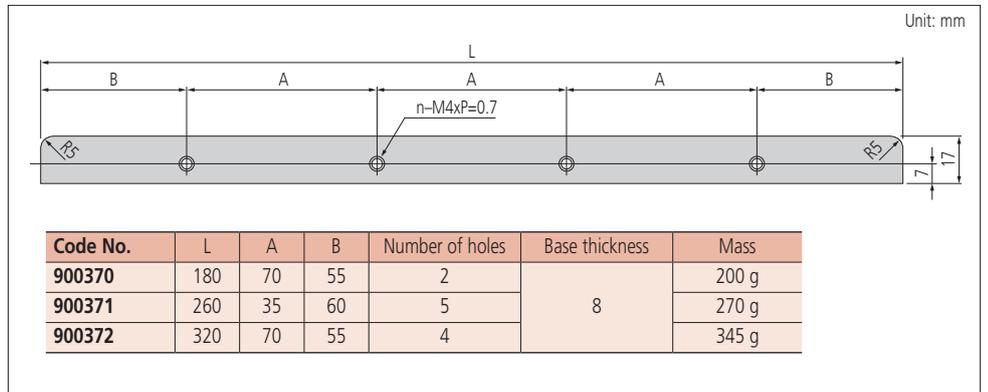


900372

Specifications

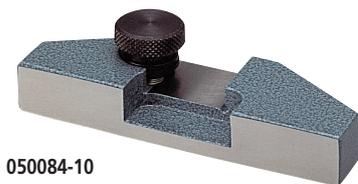
Metric			Inch		
Code No.	Size L	Price	Code No.	Size L	Price
900370	180 mm	£34.50	900367	7"	£34.50
900371	260 mm	£46.00	900368	10"	£46.00
900372	320 mm	£57.50	900369	12"	£57.50

Dimensions



Depth Gauge Attachment for Calipers

- Fixing this attachment to the end of a caliper's main beam so that its reference face is flush with that of the caliper makes depth measurement accurate and secure.



050084-10

Specifications

Metric			
Code No.	Size	Applicable measuring range of caliper	Price
050083-10	75 mm	100 mm, 150 mm, 200 mm, 4", 6" and 8"	£40.30
050084-10	100 mm		£46.00
050085-10	125 mm	300 mm and 12"	£51.80

Dimensions

