

ABSOLUTE™ (Refer to page X for details.)

IP67 (Refer to page X for details.)



(Refer to page X for details.)

Optional accessories for IP67 coolant proof models

For details, refer to page D-39.

Connecting cables

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

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

USB Input Tool Direct

06AFM380A: SPC cable for **USB-ITN-A** (2 m)

Optional accessories for other than IP67 coolant proof models

For details, refer to page D-39.

959143: Data hold unit

Connecting cables for **IT/DP/MUX**

959149: SPC cable with data button (1 m)

959150: SPC cable with data button (2 m)

USB Input Tool Direct

06AFM380C: SPC cable for **USB-ITN-C** (2 m)

Wireless data output

U-WAVE fit

U-WAVE-TC: **264-620** (IP67 type)

264-621 (Buzzer type)

Connecting unit for U-WAVE-TC:

02AZF310 (IP67 type)

02AZF300 (Buzzer type)

Refer to page A-15 for details

SPECIFICATIONS

| Metric | | | | | | |
|---------------------|-------------|------------|------------|---------------|--------------|--------------|
| Order No. | Range | Resolution | Accuracy*1 | Repeatability | Base (W x T) | Battery life |
| 571-201-30 | 0 - 150 mm | 0.01 mm | ±0.02 mm | 0.01 mm | 100 x 6 mm | 5 years |
| 571-202-30 | 0 - 200 mm | | ±0.03 mm | | | 3.5 years |
| 571-203-20 | 0 - 300 mm | | ±0.02 mm | | | 5 years |
| 571-251-20*2 | 0 - 150 mm | | ±0.02 mm | | 5 years | |
| 571-252-20*2 | 0 - 200 mm | | ±0.03 mm | | 1 years | |
| 571-253-10*2 | 0 - 300 mm | 0.01 mm | ±0.05 mm | 0.01 mm | 100 x 6.3 mm | 1 years |
| 571-204-10*3 | 0 - 450 mm | | ±0.06 mm | | | 250 x 10 mm |
| 571-205-10*3 | 0 - 600 mm | | ±0.07 mm | | | |
| 571-206-10*3 | 0 - 750 mm | | | | | |
| 571-207-10*3 | 0 - 1000 mm | | | | | |

*1: Excluding quantizing error of ±1 count

*2: IP67 Coolant Proof model

*3: Cannot be used with U-WAVE-TC

DIMENSIONS

Unit: mm

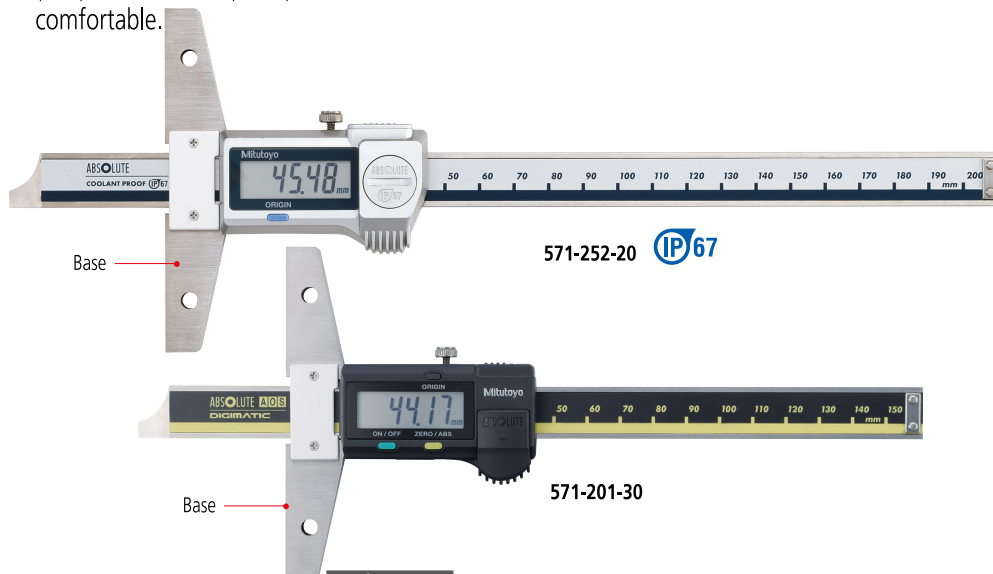
| Range | L | Base thickness |
|-------------|-----------|----------------|
| 0 - 150 mm | 239 | 6 |
| 0 - 200 mm | 289 | 6 |
| 0 - 300 mm | 403 (404) | 6 (6.3) |
| 0 - 450 mm | 635 | 10 |
| 0 - 600 mm | 785 | 10 |
| 0 - 750 mm | 935 | 10 |
| 0 - 1000 mm | 1200 | 10 |

(): Coolant Proof models

ABSOLUTE Digimatic Depth Gage SERIES 571

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

- Coolant proof models achieve IP67 protection level.
- Enables stable depth measurement with a resolution of 0.01 mm.
- ABSOLUTE Digital Caliper (Refer to page D-8 for ABSOLUTE function).
- Sliding operation of models with the measuring ranges 150 mm (6 in), 200 mm (8 in) and 300 mm (12 in) is smooth and comfortable.
- Battery: **SR44** (1 pc), **938882**. For initial operational checks (standard accessory).
- Optional longer extension bases are available. (Except for models with measuring ranges of 600, 750, 1000 mm).



| Inch/Metric | | | | | | |
|---------------------|-----------|---------------------|----------------------|-------------------|--------------|-----------|
| Order No. | Range | Accuracy*1 | Repeatability | Base (W x T) | Battery life | |
| 571-211-30 | 0 - 6 in | ±0.001 in/±0.02 mm | 0.005 in/ 0.01 mm | 3.93 in x 0.23 in | 5 years | |
| 571-212-30 | 0 - 8 in | ±0.001 in/±0.02 mm | | | | 3.5 years |
| 571-213-10 | 0 - 12 in | ±0.0015 in/±0.03 mm | | | | |
| 571-261-20*2 | 0 - 6 in | ±0.001 in/±0.02 mm | | | 5 years | |
| 571-262-20*2 | 0 - 8 in | ±0.001 in/±0.02 mm | | | 1 years | |
| 571-263-10*2 | 0 - 12 in | ±0.0015 in/±0.03 mm | 0.005 in/ 0.01 mm | 9.8 in x 0.39 in | 3 years | |
| 571-214-10*3 | 0 - 18 in | ±0.002 in/±0.05 mm | | | | |
| 571-215-10*3 | 0 - 24 in | ±0.002 in/±0.05 mm | | | | |
| 571-216-10*3 | 0 - 30 in | ±0.0025 in/±0.06 mm | | | | |
| 571-217-10*3 | 0 - 40 in | ±0.0025 in/±0.07 mm | | | | |

*1: Excluding quantizing error of ±1 count

*2: IP67 Coolant Proof model

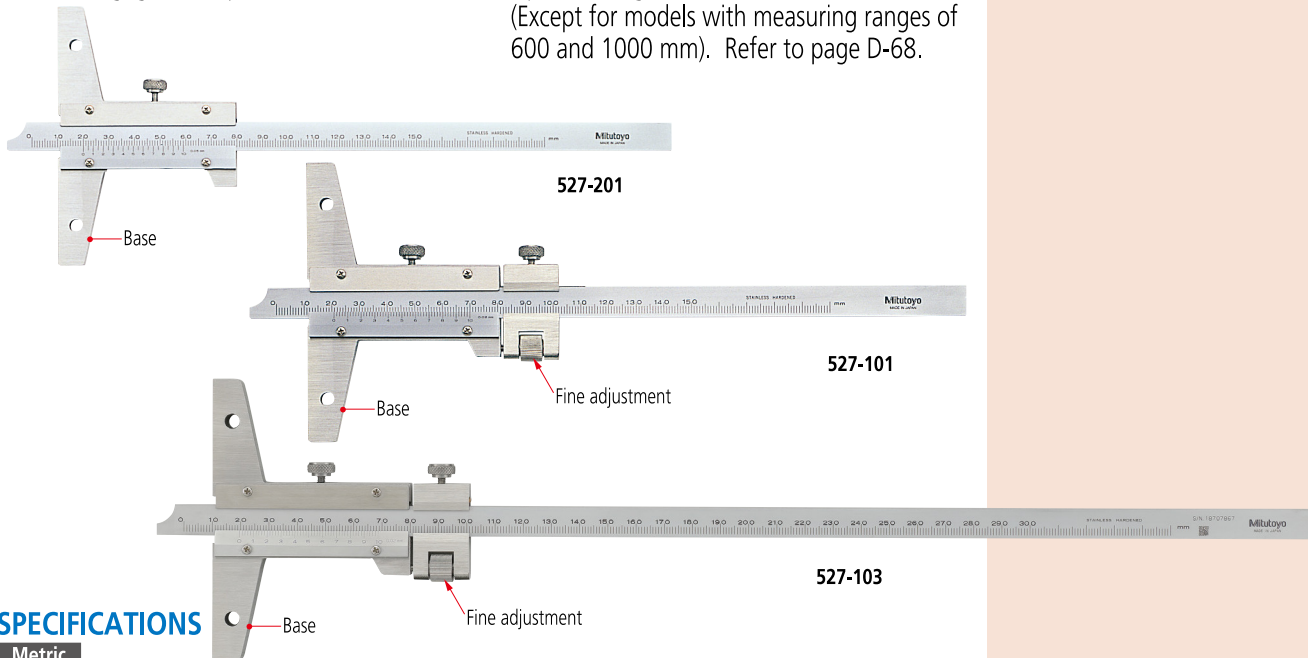
*3: Cannot be used with U-WAVE-TC

Depth Gage

A standard measuring tool of industry

Vernier Depth Gage SERIES 527

- Standard gage for depth measurement.
- Optional longer extension bases are available. (Except for models with measuring ranges of 600 and 1000 mm). Refer to page D-68.



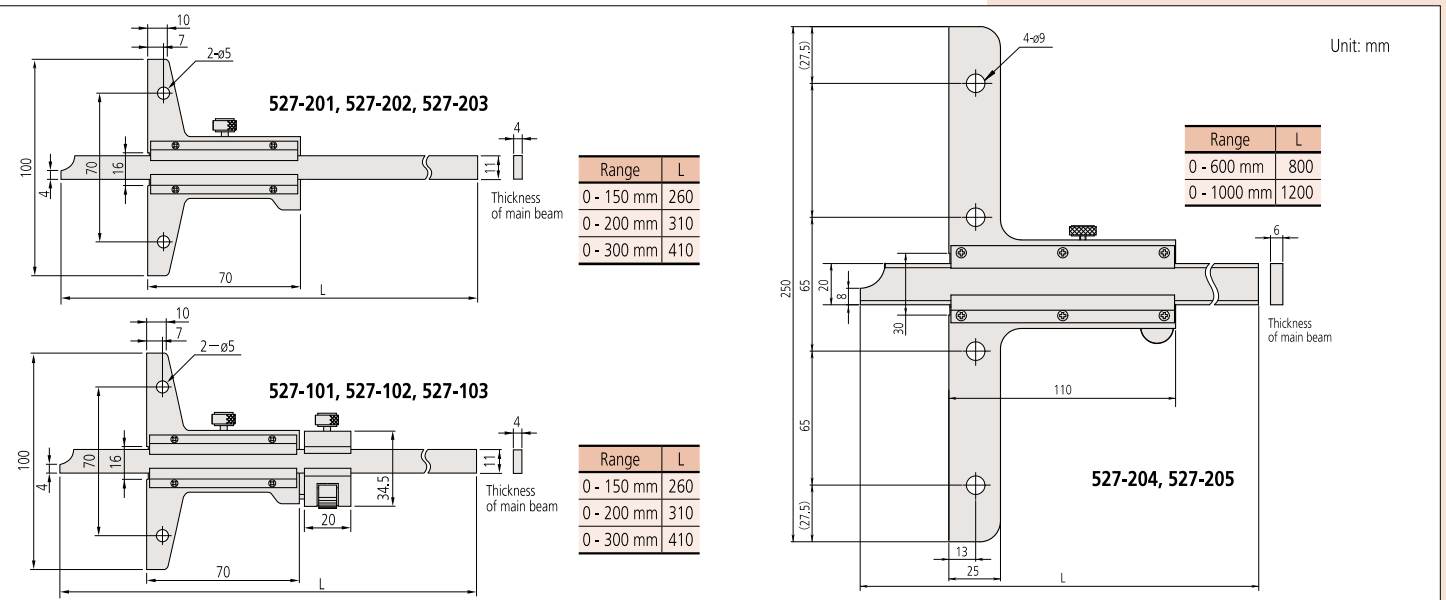
SPECIFICATIONS

| Metric | | | | | |
|-----------|-------------|-----------------|----------|--------------|---------|
| Order No. | Range | Minimum reading | Accuracy | Base (W x T) | Remarks |
| 527-201 | 0 - 150 mm | 0.05 mm | ±0.05 mm | 100 x 6.5 mm | — |
| 527-202 | 0 - 200 mm | | — | | |
| 527-203 | 0 - 300 mm | | — | | |
| 527-204 | 0 - 600 mm | 0.05 mm | ±0.10 mm | 250 x 10 mm | — |
| 527-205 | 0 - 1000 mm | | ±0.15 mm | | — |

| Metric | | | | | |
|-----------|------------|-----------------|----------|--------------|----------------------|
| Order No. | Range | Minimum reading | Accuracy | Base (W x T) | Remarks |
| 527-101 | 0 - 150 mm | 0.02 mm | ±0.03 mm | 100 x 6.5 mm | with fine adjustment |
| 527-102 | 0 - 200 mm | | — | | |
| 527-103 | 0 - 300 mm | | ±0.04 mm | | |

| Inch | | | | | |
|-----------|-----------|-----------------|------------|-------------------|----------------------|
| Order No. | Range | Minimum reading | Accuracy | Base (W x T) | Remarks |
| 527-111 | 0 - 6 in | 0.001 in | ±0.001 in | 3.93 in x 0.25 in | with fine adjustment |
| 527-112 | 0 - 8 in | | — | | |
| 527-113 | 0 - 12 in | | ±0.0015 in | | |
| 527-114 | 0 - 24 in | 0.001 in | ±0.002 in | 9.8 in x 0.39 in | with fine adjustment |
| 527-115 | 0 - 40 in | | ±0.003 in | | |

DIMENSIONS



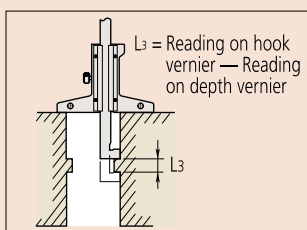
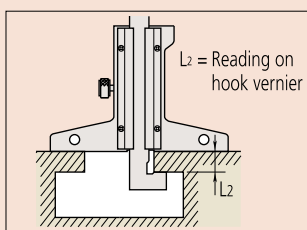
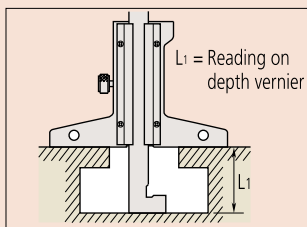
ABSOLUTE™ (Refer to page X for details.)

IP67 (Refer to page X for details.)



(Refer to page X for details.)

Applications



Optional accessories for digital models

For details, refer to page A-25.

Connection cables for coolant proof models

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

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

USB Input Tool Direct

06AFM380A: SPC cable for **USB-ITN-A** (2 m)

Wireless data output **U-WAVE™**

U-WAVE-TC: **264-620** (IP67 type)

264-621 (Buzzer type)

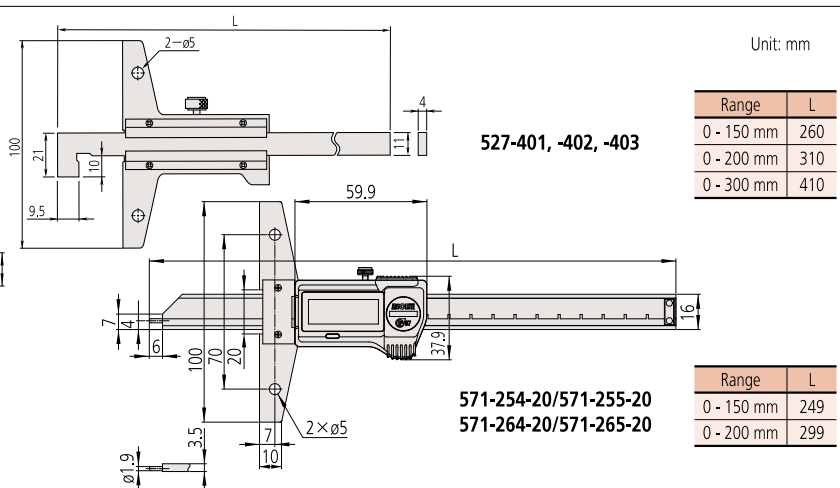
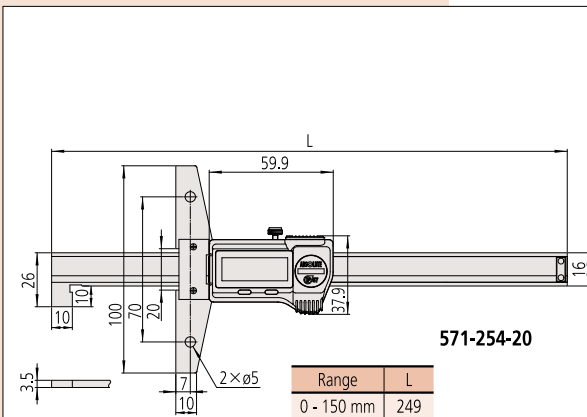
Connecting unit for U-WAVE-TC:

02AZF310 (IP67 type)

02AZF300 (Buzzer type)

Refer to page A-15 for details

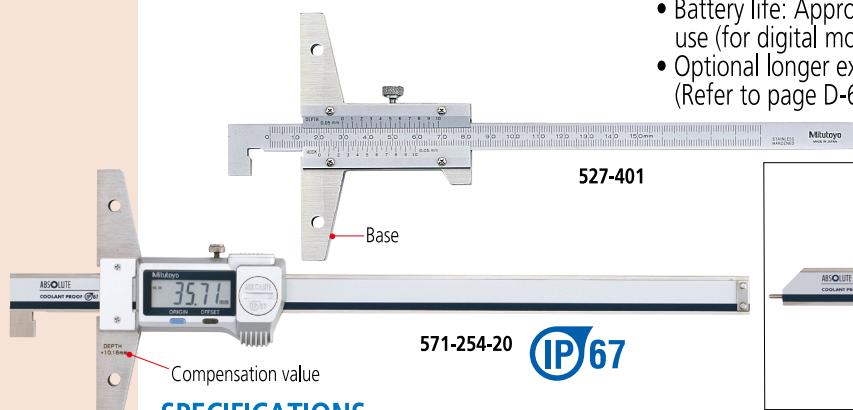
DIMENSIONS



Depth Gage SERIES 527, 571 — Hook End Type

MeasurLink™ ENABLED
Data Management Software by Mitutoyo

- 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.
- Coolant proof models achieve IP67 protection level.
- Enables stable depth measurement with a resolution of 0.01 mm.
- ABSOLUTE Digital Caliper (Refer to page D-8 for ABSOLUTE function.)
- Digital models display the compensation value by pressing the OFF switch to allow direct reading.
- Slider operation of the digital models is smooth and comfortable.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.
- Battery: **SR44** (1 pc), **938882**. For initial operational checks (standard accessory)
- Battery life: Approx. 5 years under normal use (for digital models)
- Optional longer extension bases are available. (Refer to page D-68.)



SPECIFICATIONS

| Metric | | | | |
|--------------------|--|-----------------------|----------|------------|
| Order No. | Range: L ₁ (L ₂ and L ₃) | Resolution/Graduation | Accuracy | Base (WxT) |
| Digimatic (LCD) | | | | |
| 571-254-20* | 10.1 - 160 mm (0 - 150 mm) | 0.01 mm | ±0.03 mm | 100x6 mm |
| 571-255-20* | 10.1 - 210 mm (0 - 200 mm) | | ±0.02 mm | |
| 571-301-20* | 0 - 150 mm | | | |
| 571-302-20* | 0 - 200 mm | | | |
| Analog | | | | |
| 527-401 | 10 - 150 mm (0 - 150 mm) | 0.05 mm | ±0.05 mm | 100x6.5 mm |
| 527-402 | 10 - 200 mm (0 - 200 mm) | | ±0.08 mm | |
| 527-403 | 10 - 300 mm (0 - 300 mm) | | | |
| 527-411 | 10 - 150 mm (0 - 150 mm) | 0.02 mm | ±0.03 mm | |
| 527-412 | 10 - 200 mm (0 - 200 mm) | | ±0.04 mm | |
| 527-413 | 10 - 300 mm (0 - 300 mm) | | | |

| Inch/Metric | | | | |
|--------------------|--|---------------------|-----------------------|------------|
| Order No. | Range: L ₁ (L ₂ and L ₃) | Resolution | Accuracy | Base (WxT) |
| Digimatic (LCD) | | | | |
| 571-264-20* | 0.4 in - 6.4 in (0 - 6 in) | 0.0005 in / 0.01 mm | ±0.0015 in / ±0.03 mm | 100x6 mm |
| 571-265-20* | 0.4 in - 8.4 in (0 - 8 in) | | | |
| 571-311-20* | 0-150 mm/0-6 in | 0.0005 in / 0.01 mm | ±0.001 in / ±0.02 mm | |
| 571-312-20* | 0-200 mm/0-8 in | | | |

* Excluding quantizing error of ±1 count

* IP67 Coolant Proof model

Depth Gage

A standard measuring tool of industry

Tire tread Depth Gage SERIES 571

- This is a compact depth gage.
- Enables measurement of depth of tire groove.
- Digital display with 0.01mm resolution enables measurement without misreading.
- ABSOLUTE Digital Depth Gage.

- Battery: SR44 (1 pc), **938882**. For initial operational checks (standard accessory)
- Battery life: Approx. 5 years under normal use.
- Allows integration into statistical process control and measurement systems. Refer to page A-3.

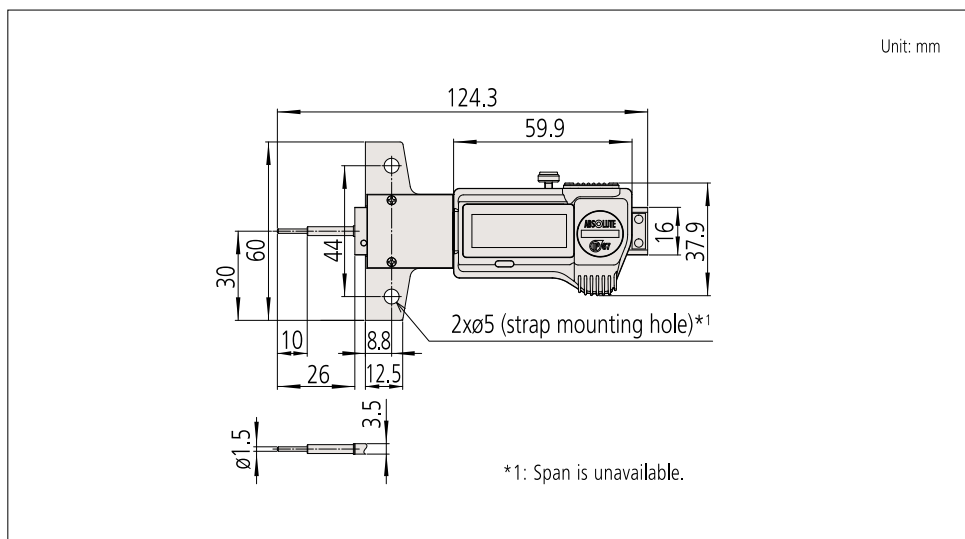


571-100-20

SPECIFICATIONS

| Order No. | Range | Resolution | Base | Accuracy |
|------------|-----------|------------|-------|----------|
| 571-100-20 | 0 - 25 mm | 0.01 mm | 60 mm | ±0.02 |

DIMENSIONS



MeasurLink ENABLED
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Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

ABSOLUTE™ (Refer to page X for details.)

IP67 (Refer to page X for details.)

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Optional accessories

For details, refer to page A-25.

Connecting cables

05CZA624: SPC cable with data button (1 m)*

05CZA625: SPC cable with data button (2 m)*

* For IP67 models

USB Input Tool Direct

06AFM380A: SPC cable for **USB-ITN-A** (2 m)

Wireless data output **U-WAVE**™

U-WAVE-TC: **264-620** (IP67 type)

264-621 (Buzzer type)

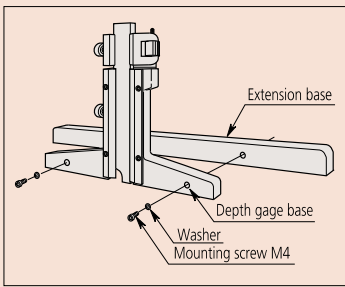
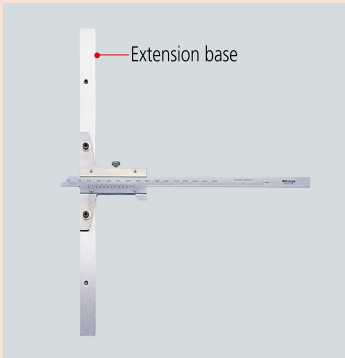
Connecting unit for U-WAVE-TC:

02AZF310 (IP67 type)

02AZF300 (Buzzer type)

Refer to page A-15 for details

Example of attaching the extension base



Extension Bases Optional accessory for Depth Gage

- Attaches to the base (reference face) plate of a depth gage to extend its span.
- Refer to the illustrations at left for attachment details.
- Extension base is three times the length of the base for models of less than 300 mm range.
- These extension bases cannot be attached to 0-600 mm, 0-1000 mm, 0-24 inch and 0-40 inch range models.



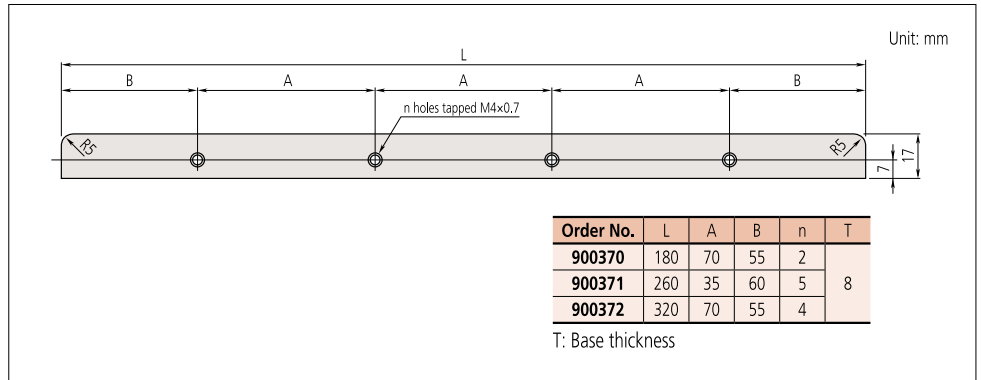
900372

SPECIFICATIONS

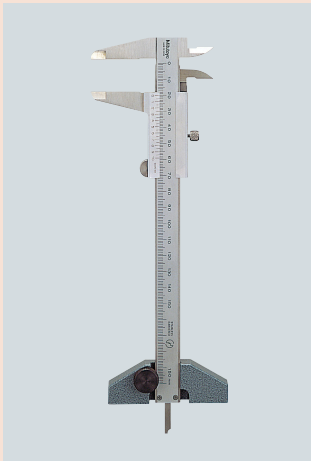
| Metric | | |
|-----------|--------|---|
| Order No. | Size L | n |
| 900370 | 180 mm | 2 |
| 900371 | 260 mm | 5 |
| 900372 | 320 mm | 4 |

| Inch | | |
|-----------|--------|---|
| Order No. | Size L | n |
| 900367 | 7 in | 2 |
| 900368 | 10 in | 5 |
| 900369 | 12 in | 4 |

DIMENSIONS

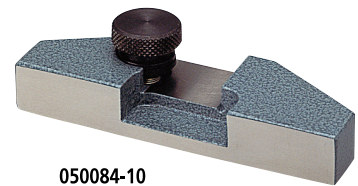


Example of attaching the extension base



Depth Gage Attachment Optional Accessory for Calipers

- Attaching this depth gage attachment to the depth measurement face of the caliper makes depth measurement accurate and secure.



050084-10

SPECIFICATIONS

| Metric | | |
|-----------|--------|---|
| Order No. | Size | Applicable measuring range of caliper |
| 050083-10 | 75 mm | 100 mm, 150 mm, 200 mm, 4 in, 6 in and 8 in |
| 050084-10 | 100 mm | 100 mm, 150 mm, 200 mm, 4 in, 6 in and 8 in |
| 050085-10 | 125 mm | 300 mm and 12 in |

DIMENSIONS

