

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).

**IP 67**

(Refer to page X for details.)



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(Refer to page X for details.)



#### Technical Data

Accuracy: Refer to the list of specifications.  
(excluding quantizing error for digital models)  
Resolution\*: 0.01 mm or 0.00005 in / 0.01 mm  
Graduation\*\*: 0.05 mm  
Display\*: LCD  
Scale type\*: ABSOLUTE electromagnetic induction linear encoder  
Max. response speed\*: Unlimited  
Battery: SR44 (1 pc), 938882,  
for initial operational checks (standard accessory)  
Battery life\*: Approx. 5 years under normal use  
Dust/Water protection level\*: IP67 (IEC 60529)\*\*\*  
\* Digital models \*\* Analog models  
\*\*\* Rustproofing shall be applied after use if caliper was in contact with coolant.

#### Optional accessories for Digital Models

For details, refer to page D-39.  
Connecting cables for IT/DP/MUX  
**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<sup>™</sup>**  
**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  
Note: cannot be used with 573-642-20, 573-643-20 and 573-742-20

#### SPECIFICATIONS

**Metric**      Digital model

Order No.	Range	Accuracy	Remarks
<b>573-642-20</b>	10 - 200 mm	±0.05 mm	Knife-edge type, Measurable min.
<b>573-643-20*</b>	10 - 200 mm	±0.05 mm	Knife-edge type, Measurable min.
<b>573-645-20**</b>	10.1 - 160 mm	±0.05 mm	Inside groove type, Measurable min.
<b>573-647-20*</b>	10.1 - 160 mm	±0.05 mm	Inside groove type, Measurable min.
<b>573-646-20**</b>	20.1 - 170 mm	±0.05 mm	Point jaw type, Measurable min.
<b>573-648-20*</b>	20.1 - 170 mm	±0.05 mm	Point jaw type, Measurable min.

\* without thumb roller

\*\* Includes the offsetting function, which indicates the actual measurement value.

**Metric**      Analog model

Order No.	Range	Accuracy	Remarks
<b>536-142</b>	10.1 - 200 mm	±0.12 mm	Knife-edge type, Measurable min.
<b>536-145</b>	10.1 - 150 mm	±0.05 mm	Inside groove type, Measurable min.
<b>536-146</b>	20.1 - 150 mm	±0.05 mm	Point jaw type, Measurable min.
<b>536-147</b>	30.1 - 300 mm	±0.08 mm	Point jaw type, Measurable min.
<b>536-148</b>	70.1 - 450 mm	±0.10 mm	Point jaw type, Measurable min.
<b>536-149</b>	70.1 - 600 mm	±0.12 mm	Point jaw type, Measurable min.

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

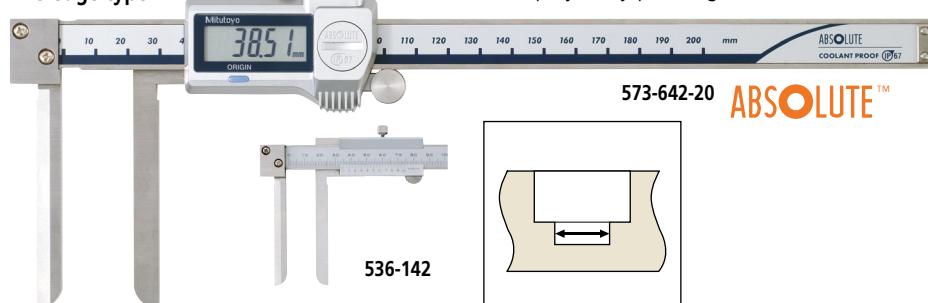
**MeasurLink<sup>®</sup> ENABLED**

Data Management Software by Mitutoyo

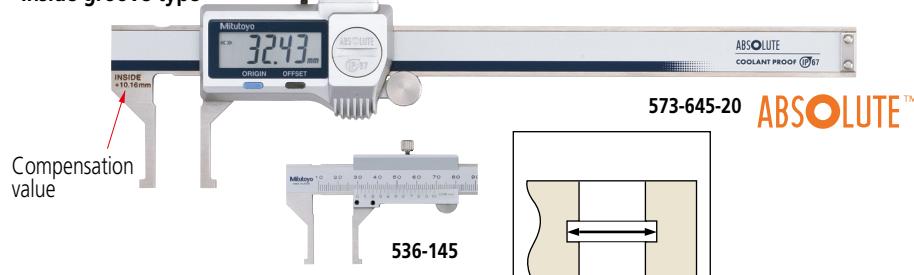
- Specially designed for inside measurements in hard-to-reach places.
- Digital models are IP67 Absolute type. No need to reset the origin after switching on. (Refer to page D-8 for a description of Absolute measurement.)

- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.
- It is necessary for measurement values of 573-645-20 and 573-646-20 to add the correction value to the displayed value. However, the featured offset function enables direct reading of the correction value displayed by pressing the OFFSET switch.

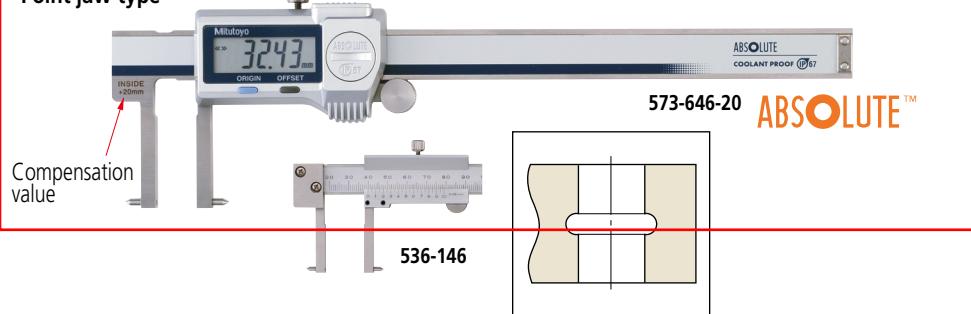
#### Knife-edge type



#### Inside groove type



#### Point jaw type



#### Inch/Metric      Digital model

Order No.	Range	Accuracy	Remarks
<b>573-742-20</b>	0.4 - 8 in	±0.002 in	Knife-edge type, Measurable min.
<b>573-745-20**</b>	0.404 - 6.4 in	±0.002 in	Inside groove type, Measurable min.
<b>573-746-20**</b>	0.804 - 6.8 in	±0.0015 in	Point jaw type, Measurable min.

\*\* Includes the offsetting function, which indicates the actual measurement value.