



(Refer to page X for details.)



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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/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

Note: cannot be used with 573-642-20, 573-643-20 and 573-742-20

SPECIFICATIONS

Metric	Digital model		
Order No.	Range	Accuracy	Remarks
573-642-20	10 - 200 mm	±0.05 mm	Knife-edge type, Measurable min.
573-643-20*	10 - 200 mm	±0.05 mm	Knife-edge type, Measurable min.
573-645-20**	10.1 - 160 mm	±0.05 mm	Inside groove type, Measurable min.
573-647-20*	10.1 - 160 mm	±0.05 mm	Inside groove type, Measurable min.
573-646-20**	20.1 - 170 mm	±0.05 mm	Point jaw type, Measurable min.
573-648-20*	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
536-142	10.1 - 200 mm	±0.12 mm	Knife-edge type, Measurable min.
536-145	10.1 - 150 mm	±0.05 mm	Inside groove type, Measurable min.
536-146	20.1 - 150 mm	±0.05 mm	Point jaw type, Measurable min.
536-147	30.1 - 300 mm	±0.08 mm	Point jaw type, Measurable min.
536-148	70.1 - 450 mm	±0.10 mm	Point jaw type, Measurable min.
536-149	70.1 - 600 mm	±0.12 mm	Point jaw type, Measurable min.

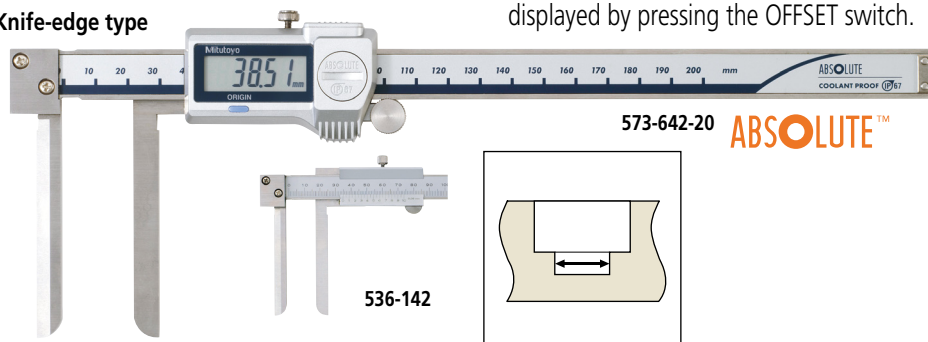
ABSOLUTE Inside Caliper SERIES 573, 536 — Knife-edge/Inside Groove/Point Jaw Type

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

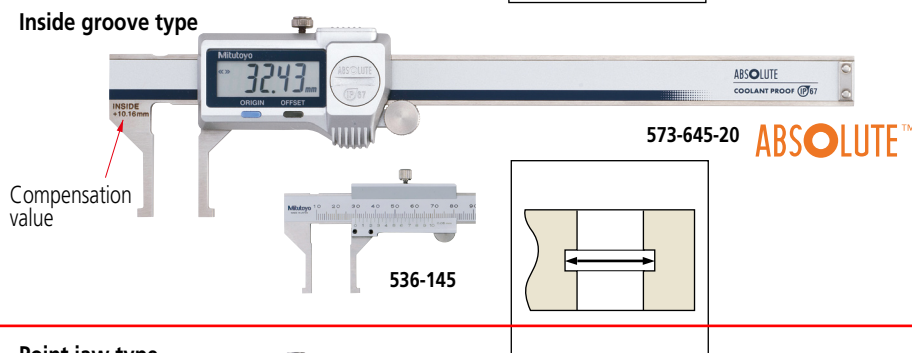
- Specially designed for inside measurements in hard-to-reach places.
- Digital models are IP67 Absolute type. No need to reset the origin after switching on. (Refer to page D-8 for a description of Absolute measurement.)

- 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.

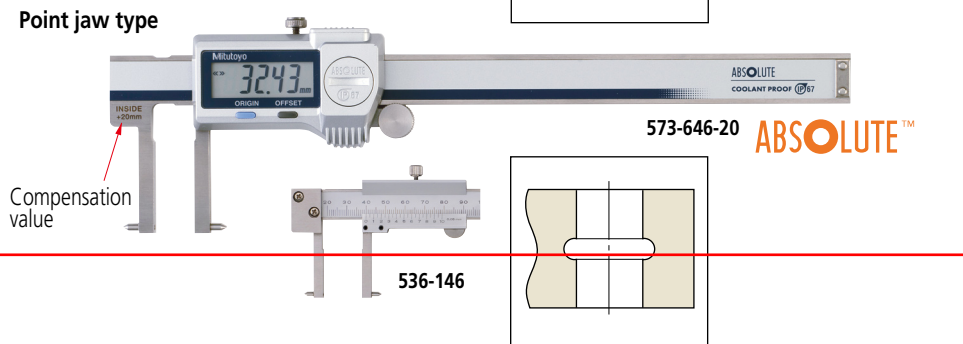
Knife-edge type



Inside groove type



Point jaw type



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

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