

Reference Gages

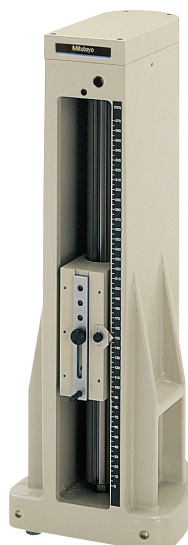
Length Standards Brought to You by Mitutoyo

Square Master SERIES 311 — Squareness / Straightness Measuring

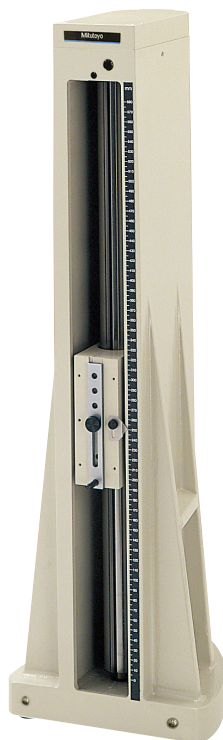
- Squareness (perpendicularity) and straightness measurements can be performed accurately and efficiently by just moving a lever.
- High accuracy perpendicularity and straightness measurement can be performed by prior setting to a master square using the built-in instrument squareness adjustment mechanism.
- Sliding force: Approx. 2 to 5N



311-215



311-225



311-245

SPECIFICATIONS

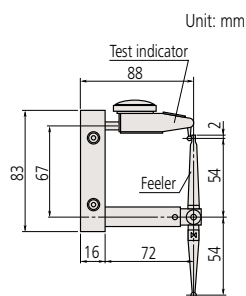
Metric					
Order No.	Vertical travel	Squareness	Straightness	Dimension (WxDxT)	Mass
311-215*	150mm	3 μ m	2 μ m	180x200x420mm	13.7Kg
311-225*	250mm	6 μ m	2.5 μ m	180x200x520mm	16.2Kg
311-245	450mm	9 μ m	3.5 μ m	220x220x720mm	24Kg

* Riser blocks to extend the height of Square Masters can be used.

Optional accessory

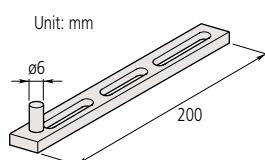
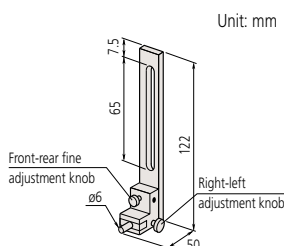
900565: Feeler

For probing surfaces that the contact point of a detector cannot reach.



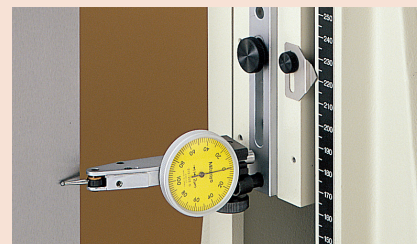
No.900571: Adjustable holder

Enables easy adjustment of indicator position.



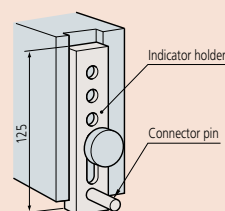
No.900551: Extension holder

Measurement position can be extended by using this 200mm length holder instead of the indicator holder.

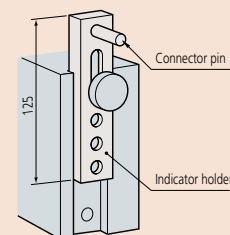


Mounting the indicator holder

Example 1



Example 2



Standard Accessories

513-405: Test indicator (Metric)

513-403: Test indicator (Inch)

902053: Clamp

601471: Indicator holder

538616: Allen wrench (3mm)

Note: Inspection certificate is not attached. Contact your local Mitutoyo sales office.

Optional accessory

900571: Adjustable holder

900551: Extension holder

900565: Feeler