




iGAGING 100-020 Dial Caliper User Manual

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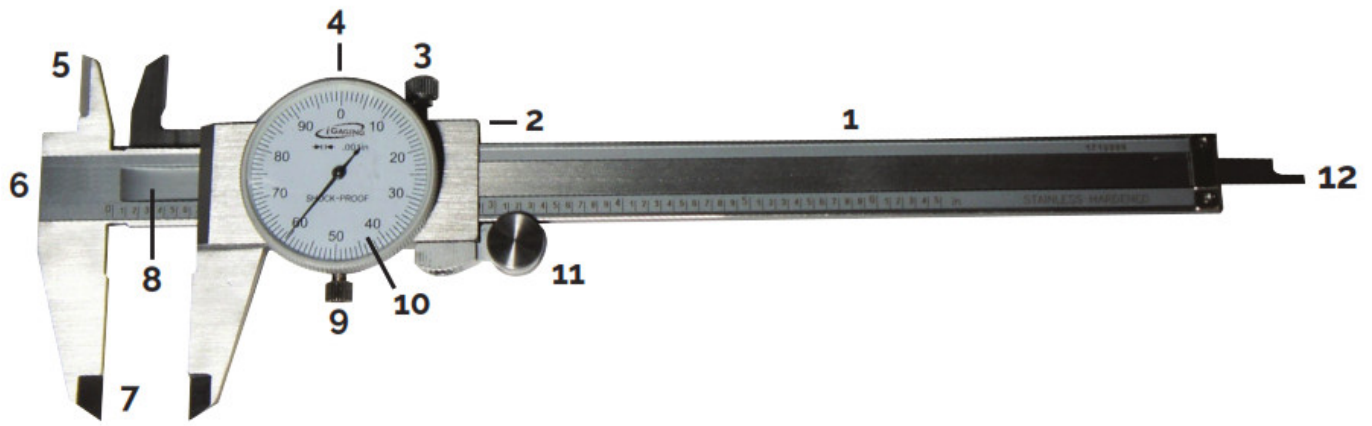
**100-020 Dial Caliper
User Manual
Dial Calipers
Item #'s 100-020, 021, 022**

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100-020 Dial Caliper

Please read through this owner's manual carefully before using the gauge. Use tool properly and only for its intended use.



Specifications:

Item #	Range*	Resolution	Accuracy ±
100-020	0 – 6"	0.001"	0.0015"
100-021	0 – 8"		
100-022	0 – 12"		0.002"

*Metric sizes available

Table
1. Beam
2. Slider (moveable)
3. Slider locking screw
4. Dial bezel
5. Internal measurement
6. Step measurement
7. External measurement
8. Rack
9. Dial locking screw
10. Dial face
11. Thumb wheel
12. Depth measurement

Operating Instruction:

Avoid exerting excessive force when measuring as it may cause an incorrect reading and deformation of the measuring jaws.

Important Notice:

Take care to avoid contamination of the rack (8) with metal cuttings as it may damage the rack teeth and the pinion gear. Examine the rack on a periodic basis and remove any contaminants. Damage to the rack gears will cause malfunction of the caliper and require repair.

Zero Setting:

Ensure that the dial hand is on zero when the jaws are closed. This can be adjusted by loosening the dial locking screw (9) and rotating the dial bezel (4) until the zero aligns with the dial hand.

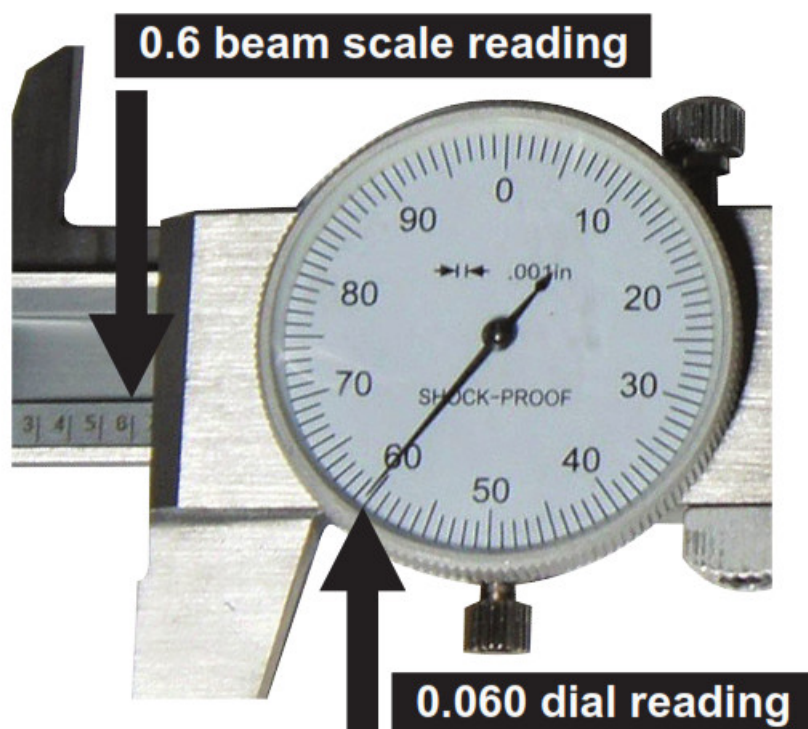
Relock the dial face (10) by tightening the dial locking screw (9).

Method of Reading:

A measurement is obtained by adding the graduation from the beam (1) scale and the reading from the dial hand.
Example: Beam reading: 0.60"

Dial reading: 0.060"

Total: 0.660"



Calibration:

It is recommended that this precision measuring tool be calibrated at a periodic interval as follows:

- Annually
- At an interval that ensures that the accuracy is not compromised between calibrations intervals
- As outlined in your company's quality manual

Normal Care:

Clean all measuring surfaces and the beam (1) with a dry clean cloth prior to the initial use to remove protective oil.



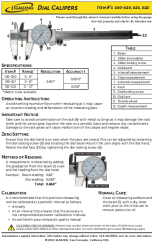
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Manufacture supplied information. Information may change without notice. Visit iGAGING.com for more information.

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Documents / Resources



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References

- [igaging.com](https://www.igaging.com)
- [P65Warnings.ca.gov](https://www.p65warnings.ca.gov)