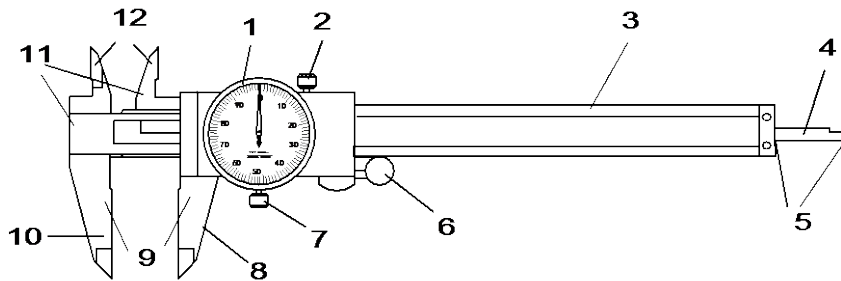


DIAL CALIPERS



DIAL CALIPERS

OPERATION MANUAL



1	Dial Indicator	7	Bezel Clamp Screw
2	Locking Screw	8	Moveable Measuring Jaw
3	Beam	9	Outside Measuring Surfaces
4	Depth Measuring Bar	10	Fixed Measuring Jaw
5	Faces Of Measuring Depth	11	Step Measuring Faces
6	Thumb Roller	12	Inside Measuring Faces

Maintenance Instructions

- Prior to use, clean all surfaces of the beam and measuring faces with dry and clean cloth.
- Ensure that the dial needle is on the zero point when the jaws are in a closed position. Inspect the outside measuring jaws to ensure that no light can be observed between the jaws.

Specifications:

Range	Resolution	Accuracy +/-
0~150mm / 0~6"	0.01mm or 0.02mm /.001"	0.02mm/.001"
0~200mm / 0~8"		0.03mm/0.0015"
0~200mm / 0 ~ 12"		0.04mm/0.0015"

Method of Reading

A measurement is obtained by adding the graduation from the beam that lines up with the edge of the slider, to the measurement indicated by the needle on the dial face.

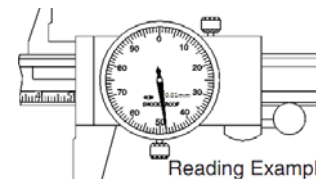
For example:

Metric

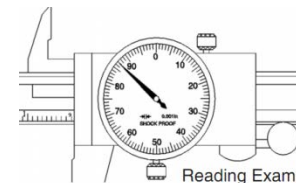
Blade Reading: 50 mm
Dial Reading: 0.48 mm
Total: 50.48 mm

Inch

Blade Reading: 1.9"
Dial Reading: .087"
Total: 1.987 inch



Reading Example



Reading Example

SPI 30G17

IMPORTANT NOTICE



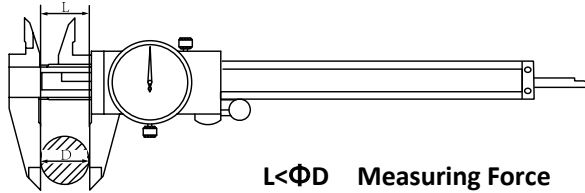
Avoid exerting excessive force when measuring as it may cause an incorrect reading and deformation of the measuring jaws.

DIAL CALIPERS

Operation

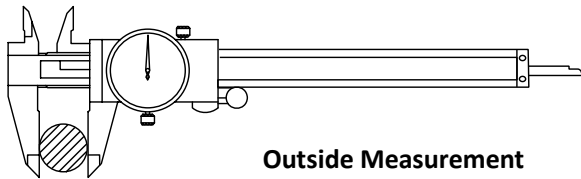
- **Measuring Force**

Avoid excessive measuring force to the work piece as it may cause an incorrect reading and deformation of the jaws.



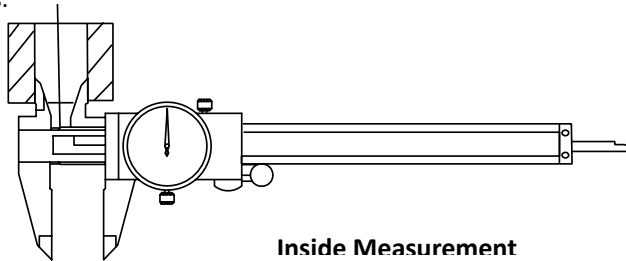
- **Outside Measurement**

Contact the surface of the work piece with the outside measuring jaws.



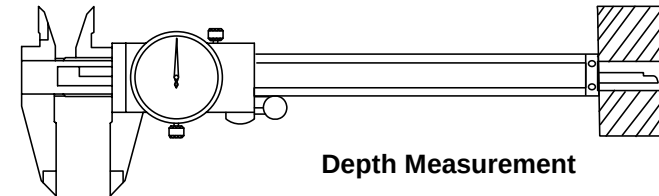
- **Inside Measurement**

Contact the surface of the work piece with the inside measuring jaws.



- **Depth Measurement**

Place the end of the beam onto the work piece and extend the slider until the depth bar comes in contact with the bottom of the depth feature.



- **Step Measurement**

Open the slider of the caliper. Place the step measuring surface of the beam onto the feature.

Move the slider towards the work piece until the slider portion of the step measuring surface comes in contact with the feature.

