



No. 142

Fractional Dial Caliper Instructions

For reading your No. 142 Dial Caliper.

Before taking measurements completely close caliper using thumb roller. If necessary, turn dial bezel to bring dial pointer in line with zero mark on dial.

Your No. 142 Dial Caliper is graduated in:

- (a) Decimal (.01")
- (b) Fractional (64ths)
- (c) Metric (0.1mm) Vernierscale

Calculating decimal, metric and fractional measurements are identical.

Example No. 1

(a) Decimal readings (.01")

Add the dial reading (green) and the number of complete inches on the bottom inch scale.

$$\begin{array}{r} \text{Inch Scale} = \quad 1.0'' \\ \text{Dial Reading} = \quad \underline{0.340''} \\ \text{Added Together} = \quad 1.340'' \end{array}$$

Example No. 2

(b) Fractional Readings (64ths)

Add the dial reading (white) and the number of complete inches on the bottom inch scale.

$$\begin{array}{r} \text{Inch Scale} = \quad 1.0'' \\ \text{Dial Reading} = \quad \underline{\frac{22}{64}''} \\ \text{Added Together} = \quad 1\text{-}\frac{22}{64}'' \end{array}$$

Example No. 3

(c) Metric Readings

Read number of millimeters on the top (mm) scale

$$\text{Millimeter Scale} = 34\text{mm}$$

FRACTION/DECIMAL METRIC CONVERSIONS

No. 142 Dial Caliper is graduated in metric, fractions and decimals. Converting to metric readings or vice versa, set caliper to decimal or fractional reading to obtain the metric equivalent.



Avoid injury: Always wear OSHA/ANSI approved eye protection (goggles, face shield) when using tools.