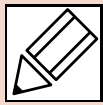


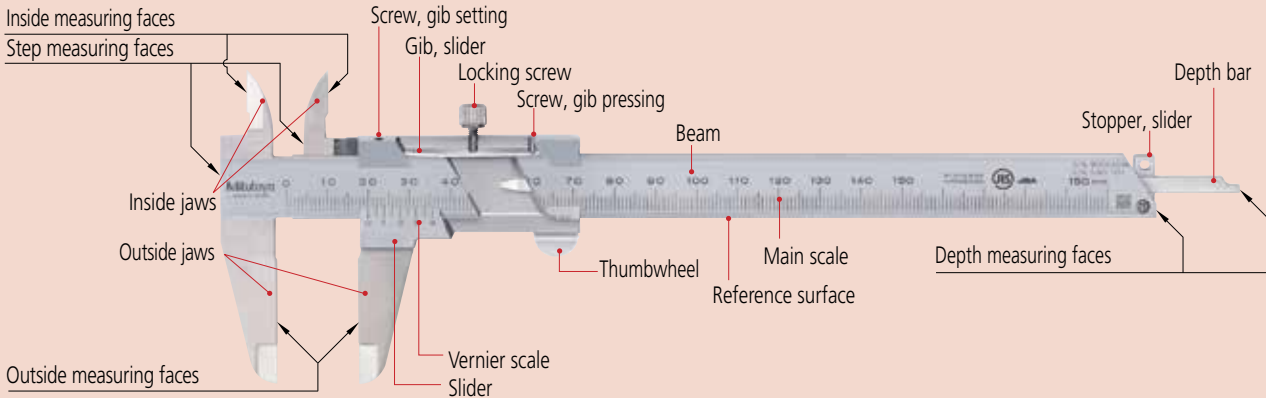
Quick Guide to Precision Measuring Instruments



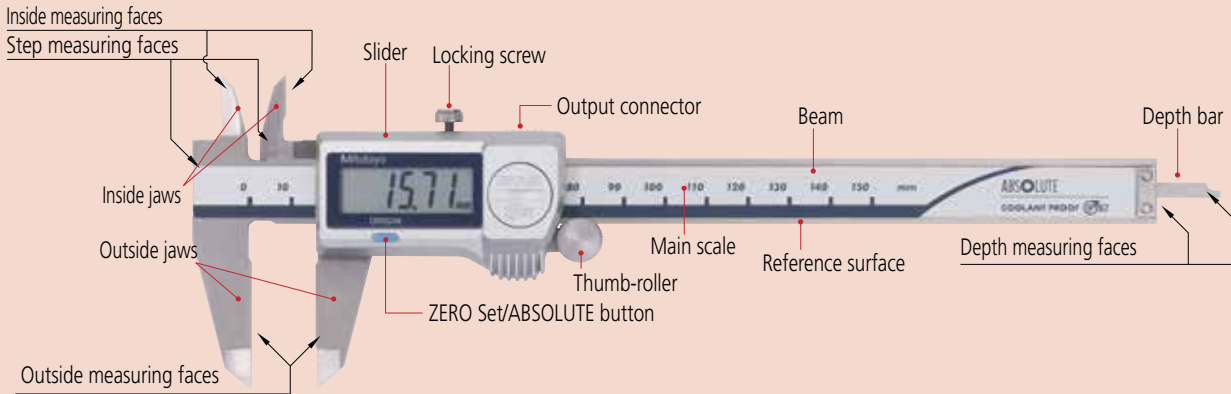
Calipers

Nomenclature

Vernier Caliper

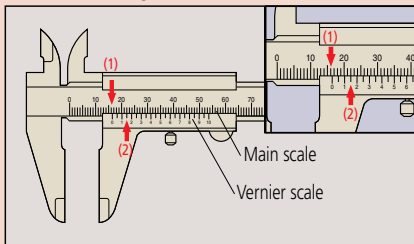


Absolute Digimatic Caliper



How to Read the Scale

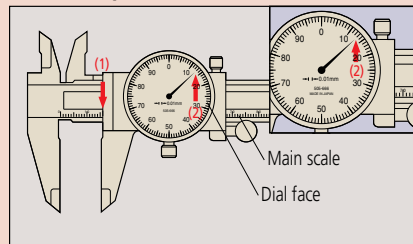
Vernier Calipers



Graduation 0.05mm

(1) Main scale	16	mm
(2) Vernier	0.15	mm
Reading	16.15	mm

Dial Calipers



Graduation 0.01mm

(1) Main scale	16	mm
(2) Dial face	0.13	mm
Reading	16.13	mm

Note) Above left, 0.15 mm (2) is read at the position where a main scale graduation line corresponds with a vernier graduation line.

Measurement applications

1. Outside measurement
2. Inside measurement

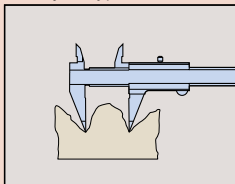


3. Step measurement
4. Depth measurement



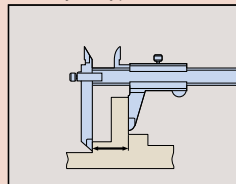
Special Purpose Caliper Applications

Point jaw type



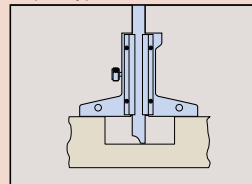
For uneven surface measurement

Offset jaw type



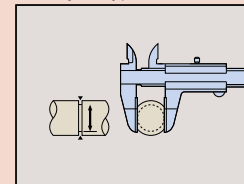
For stepped feature measurement

Depth type



For depth measurement

Blade jaw type



For diameter of narrow groove measurement