

Use of Vernier Caliper



Experiment NE02: Rotary Motions

Internal Jaws

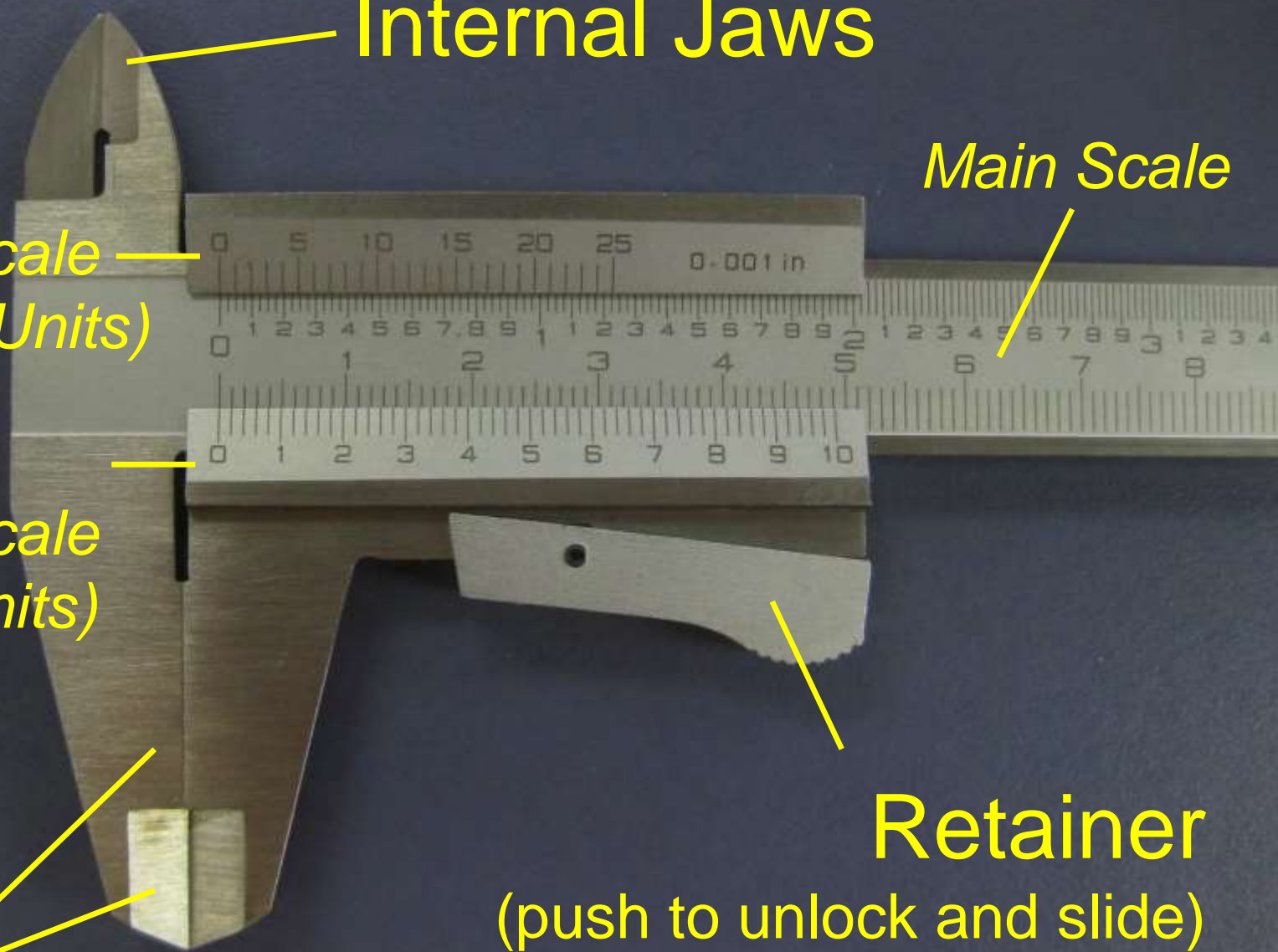
Main Scale

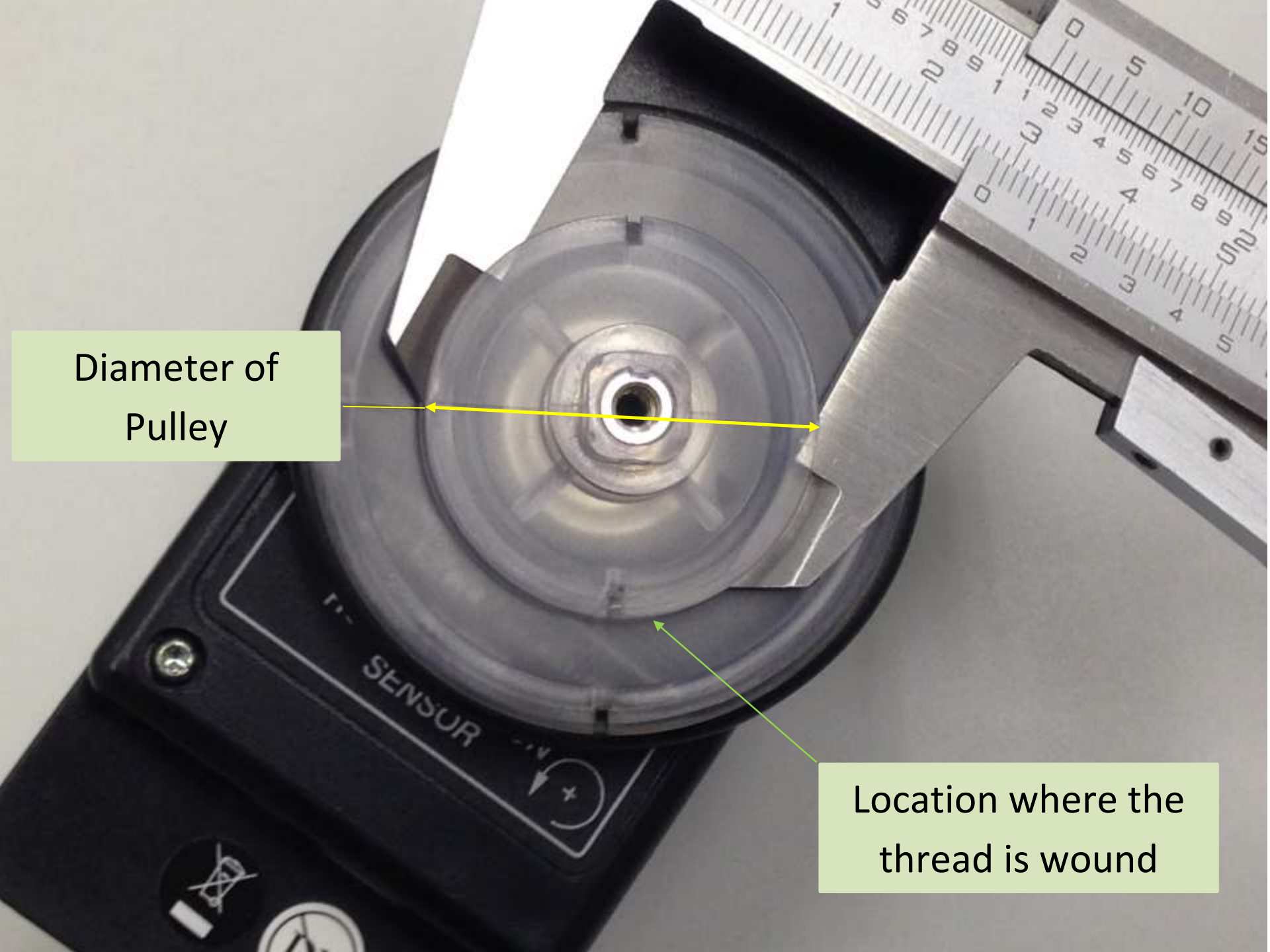
**Vernier Scale
(Imperial Units)**

**Vernier Scale
(Metric Units)**

Retainer
(push to unlock and slide)

External Jaws



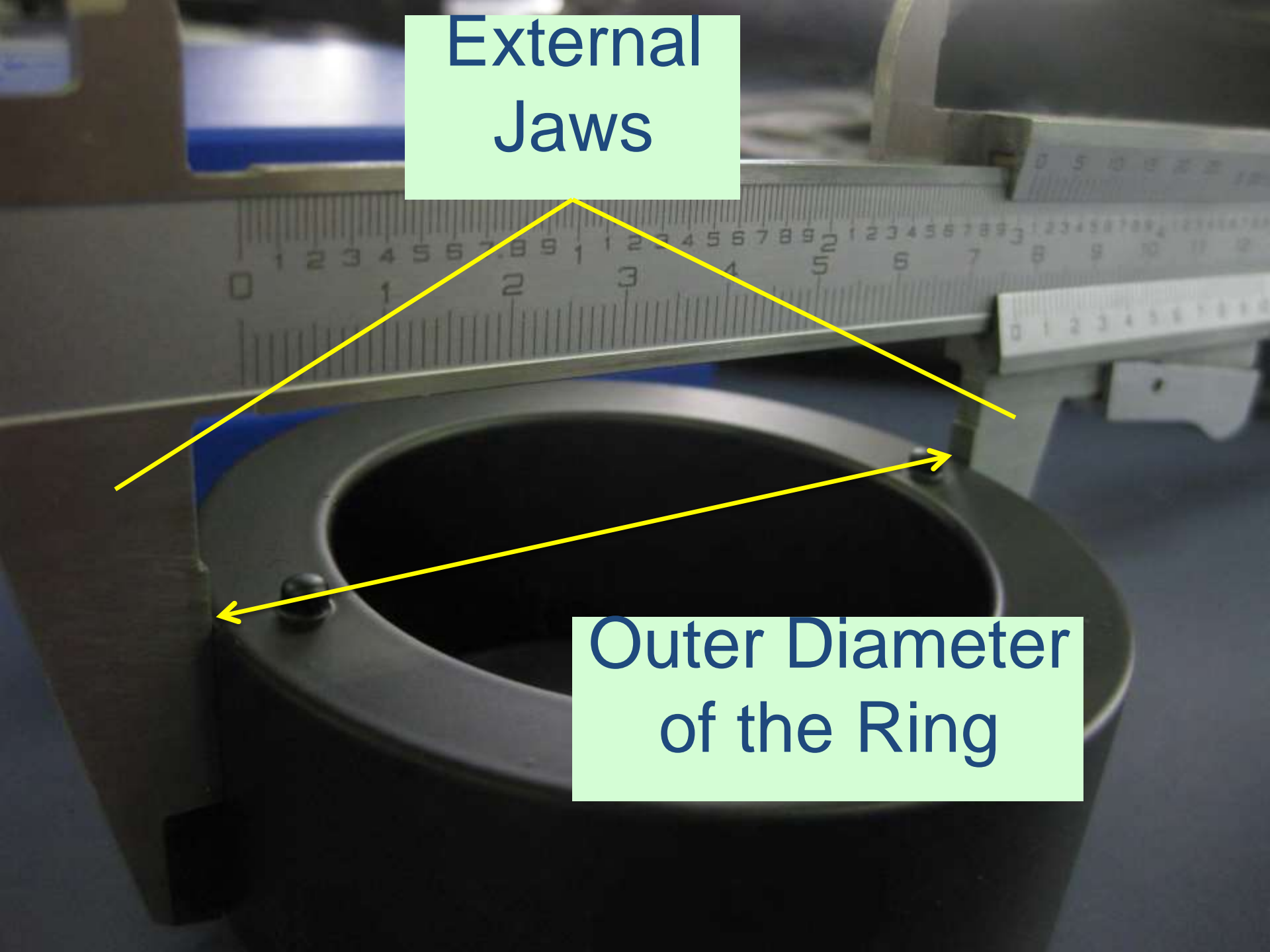


Diameter of
Pulley

Location where the
thread is wound

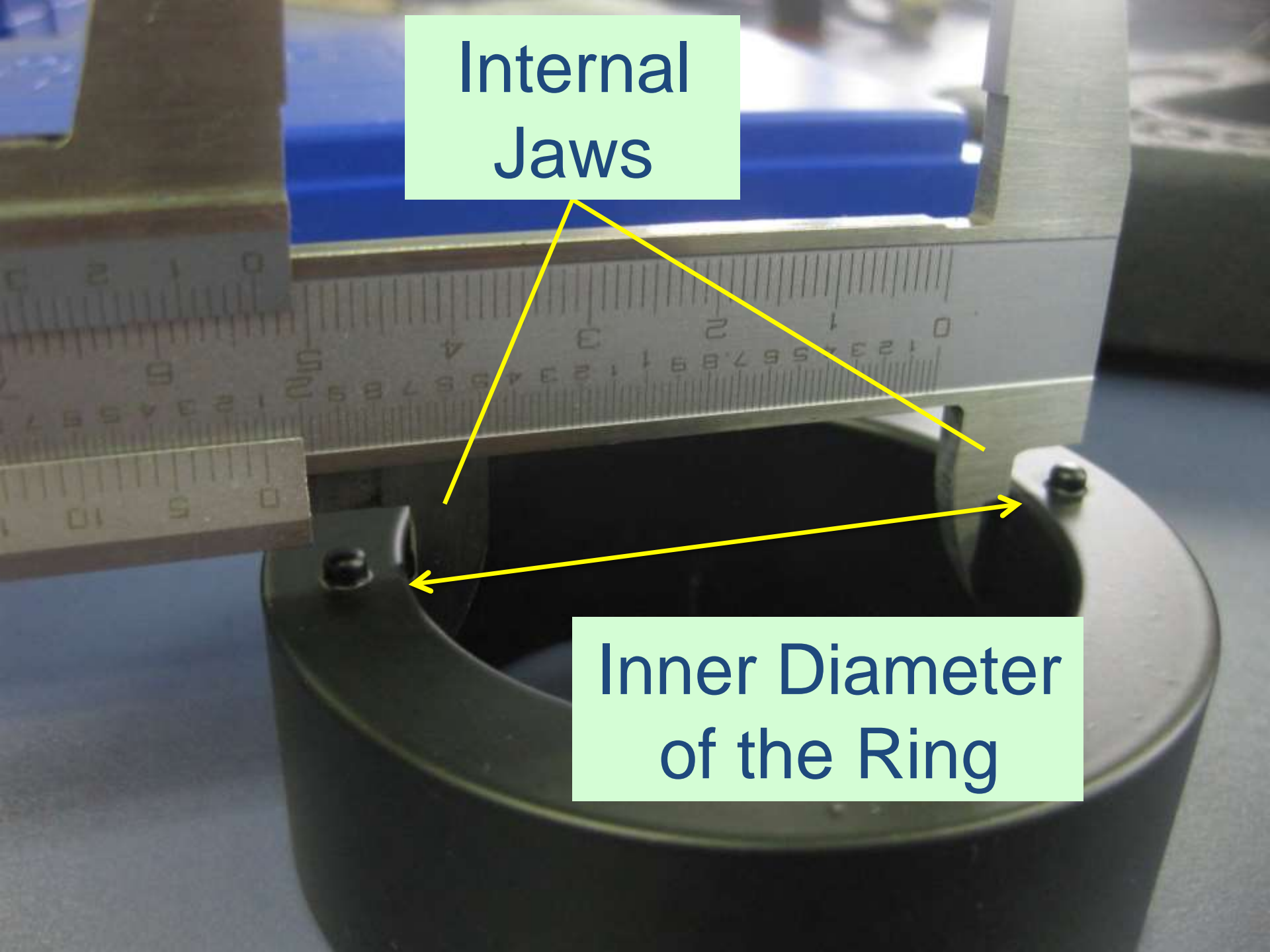
External
Jaws

Outer Diameter
of the Ring



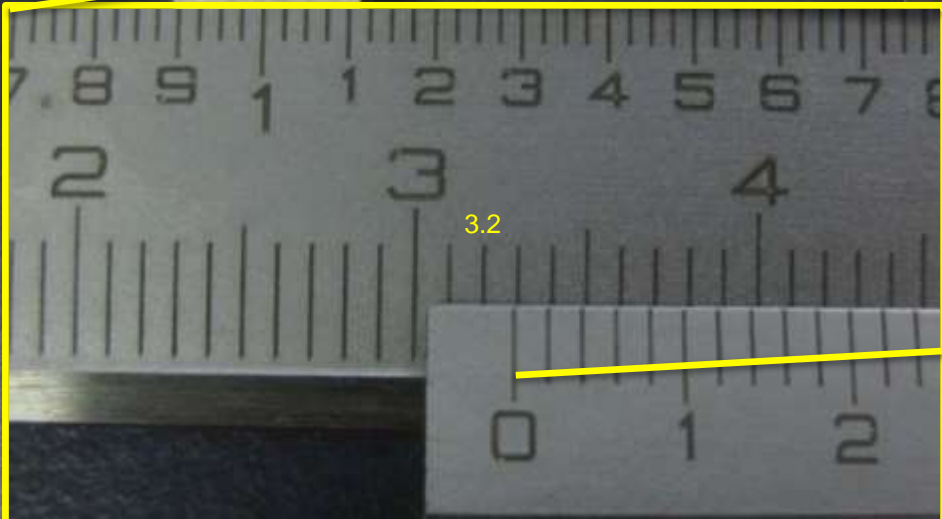
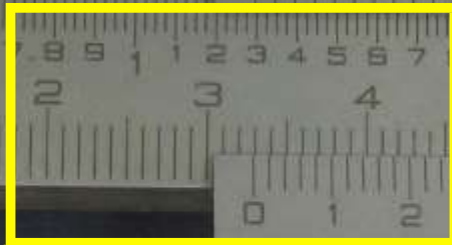
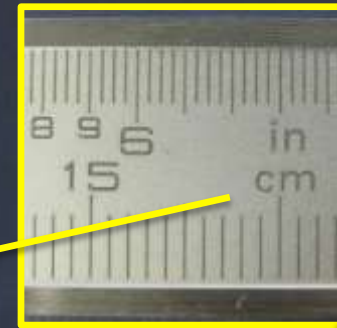
**Internal
Jaws**

**Inner Diameter
of the Ring**

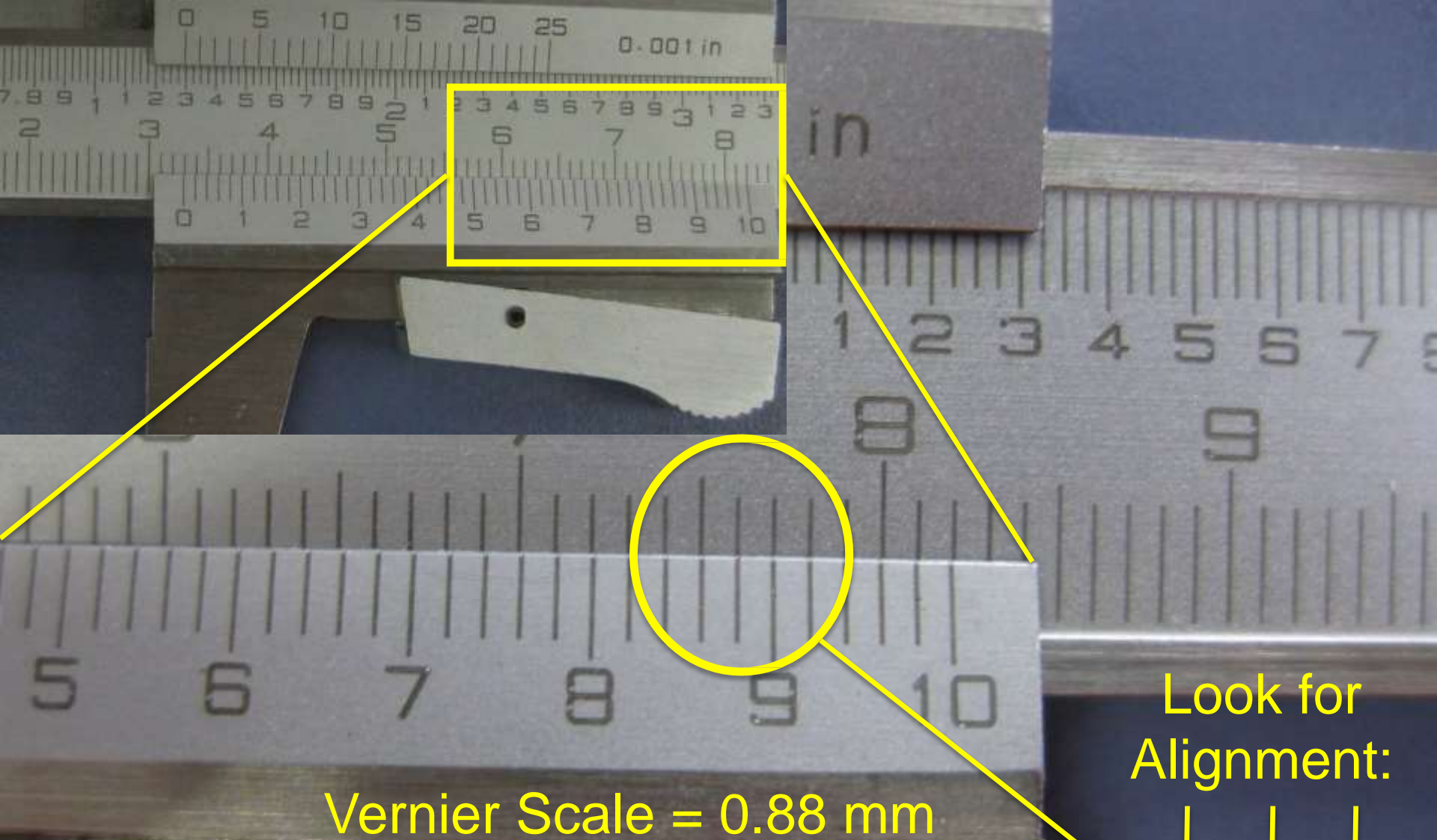


Example of Measurement

Unit: cm



Main Scale = 3.2 cm



Vernier Scale = 0.88 mm

$$\text{Length} = 3.2 \text{ cm} + 0.88 \text{ mm}$$

$$= (3.2 + 0.088) \text{ cm} = 3.288 \text{ cm}$$

$$\text{Uncertainty} = 0.001 \text{ cm (smallest div} \div 2)$$

Look for Alignment:

