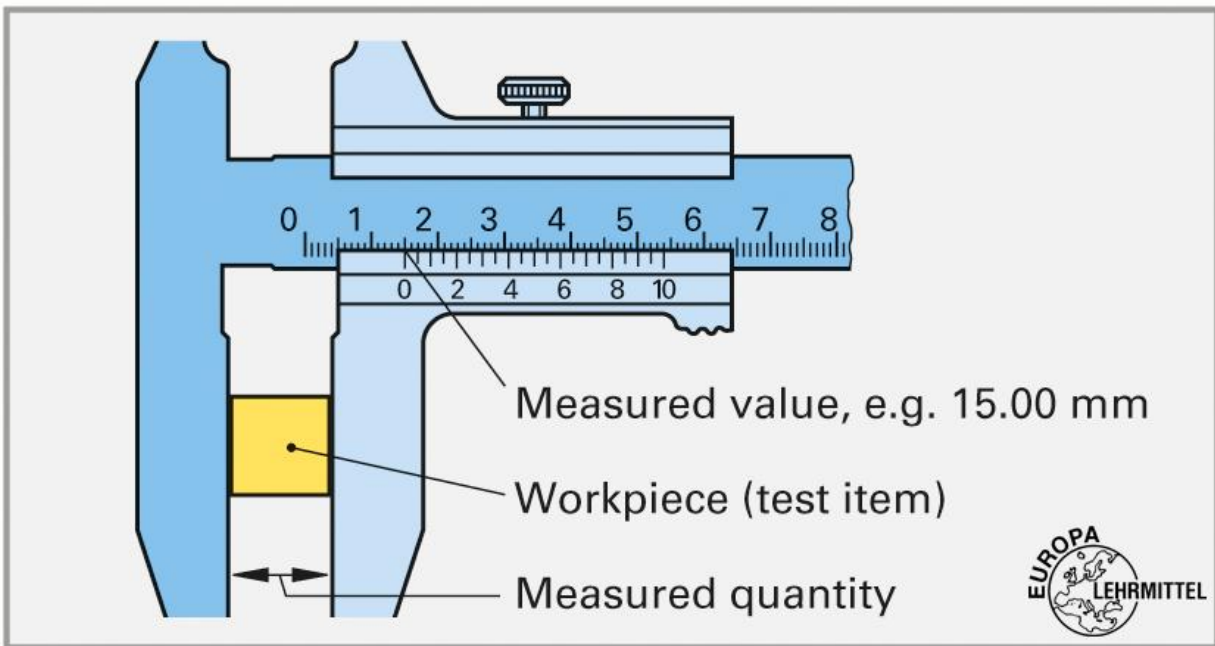
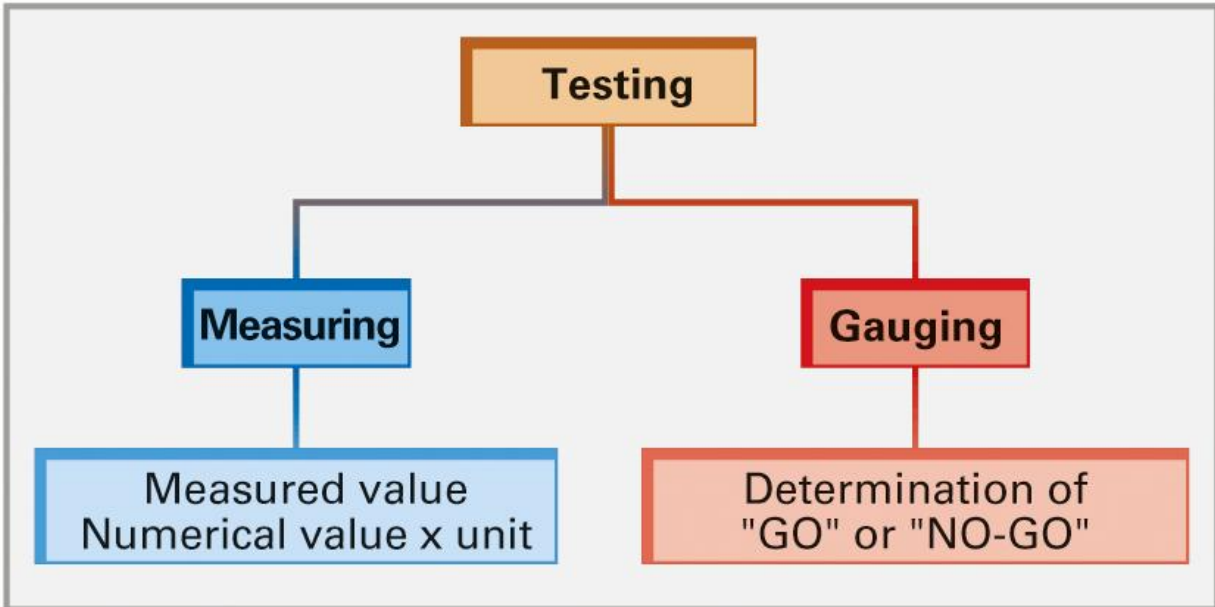
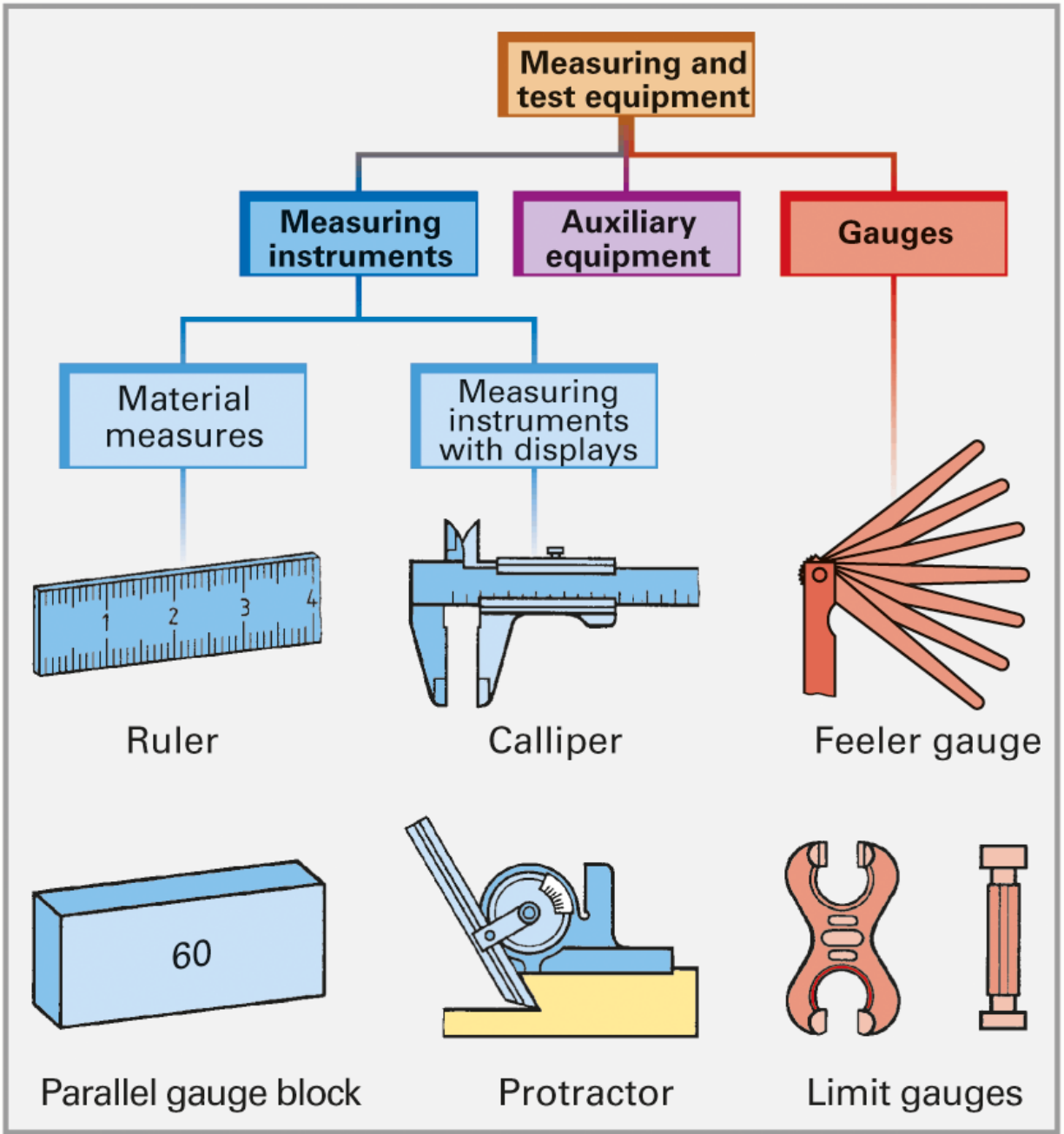
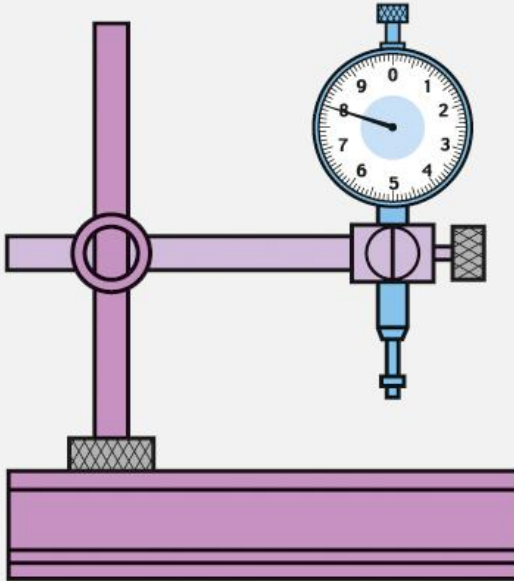


Mælingar

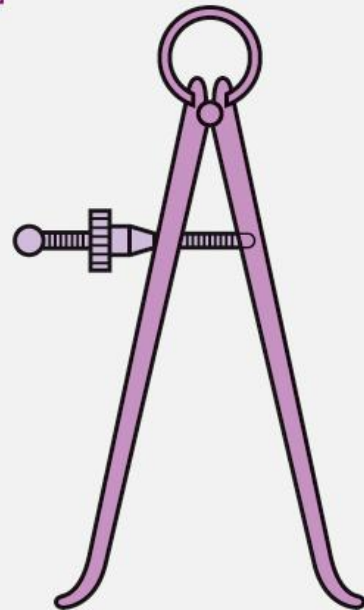




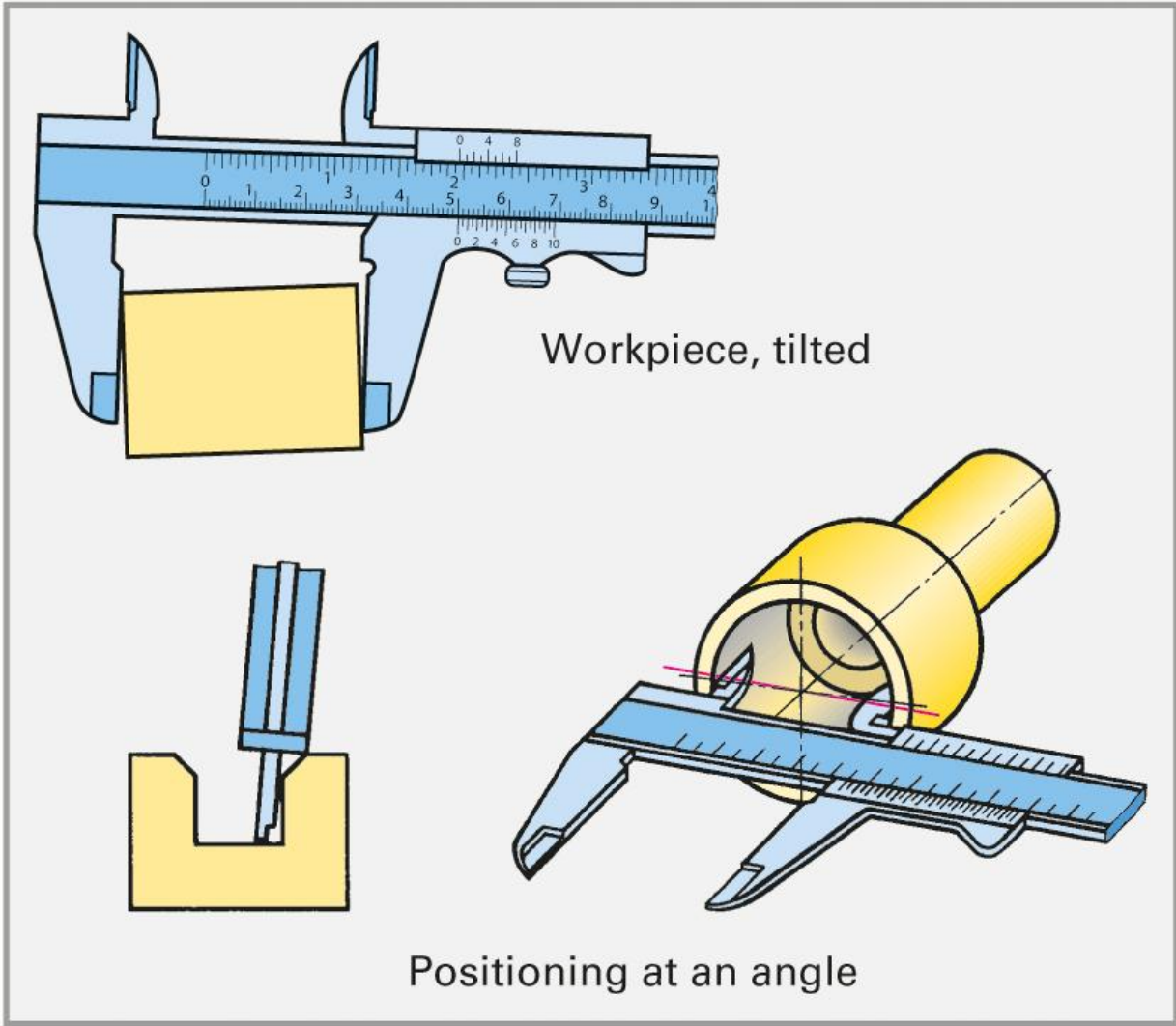
Auxiliary equipment

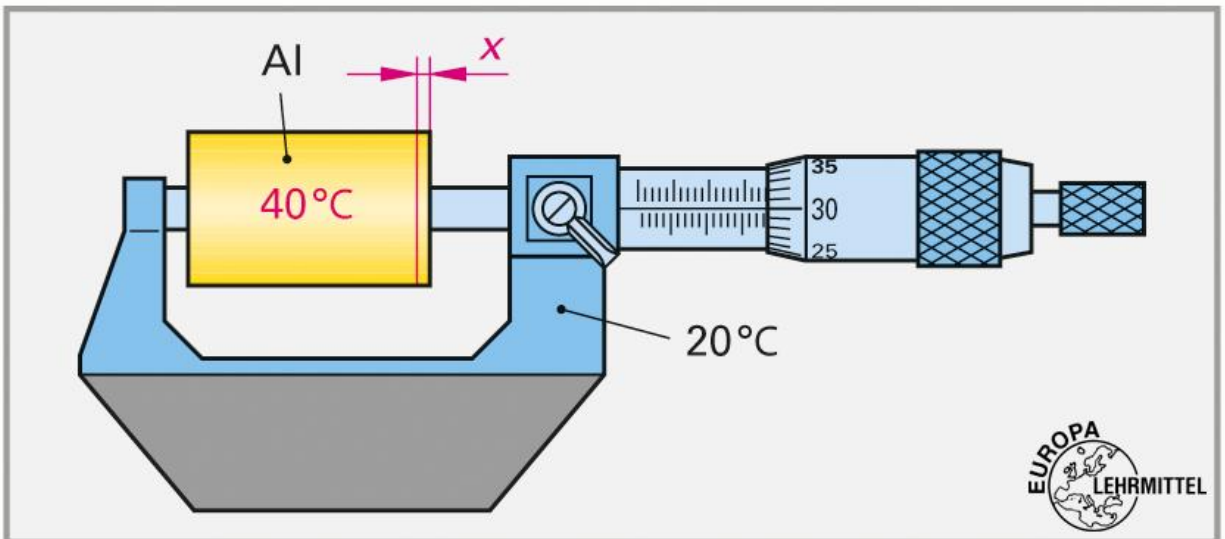
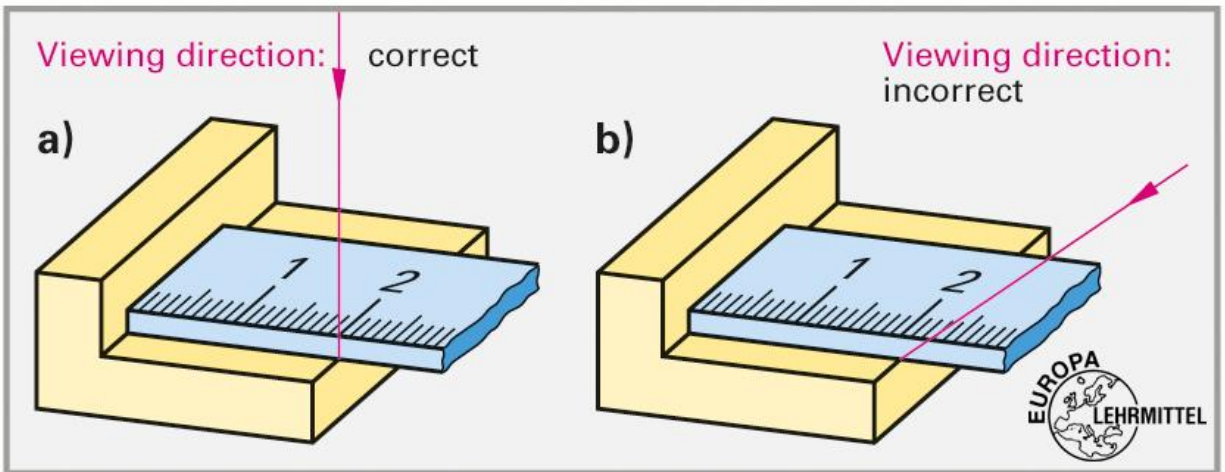
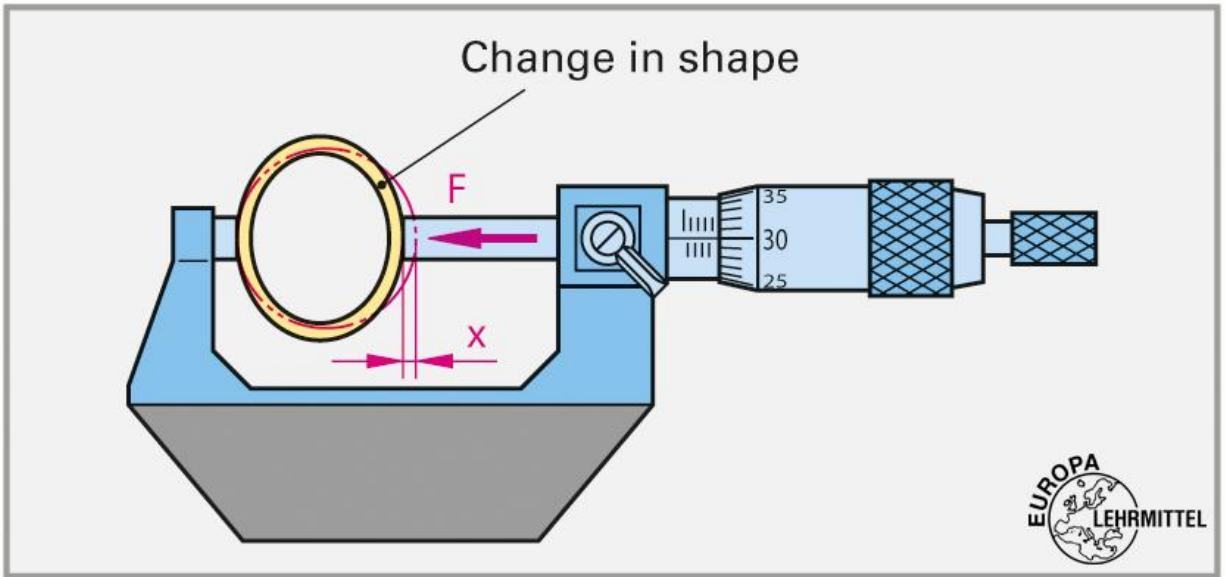


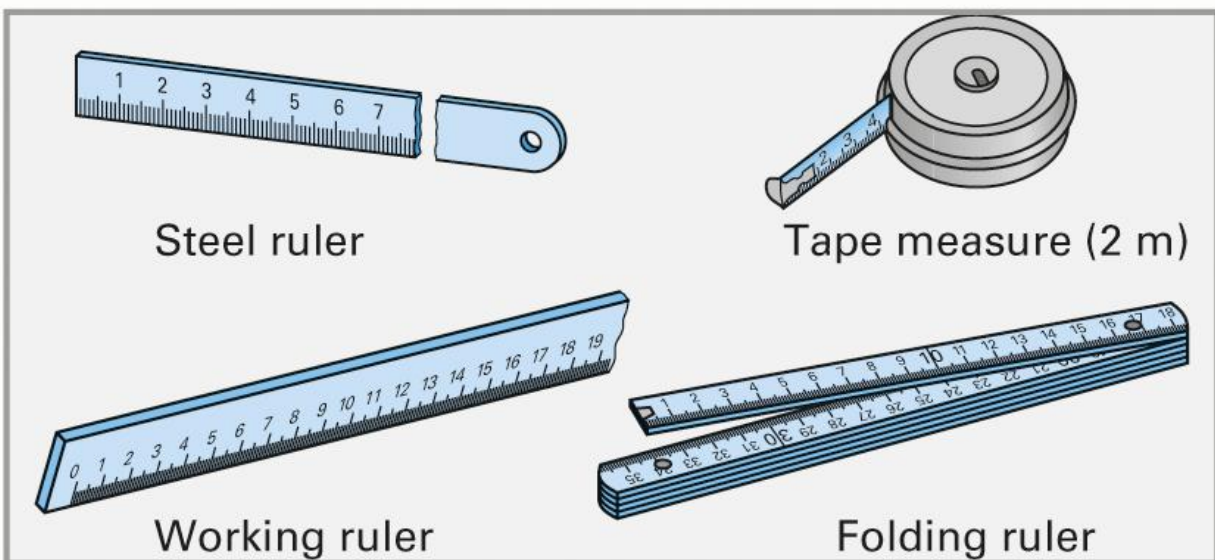
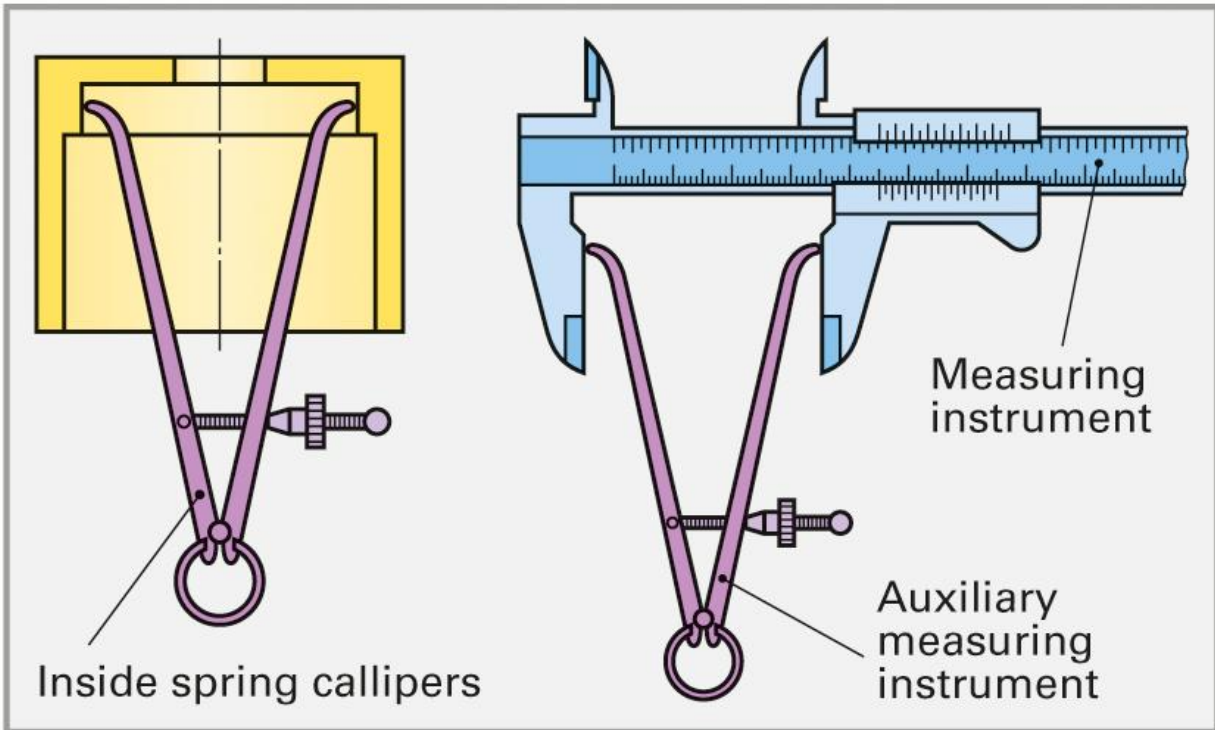
Measuring stand

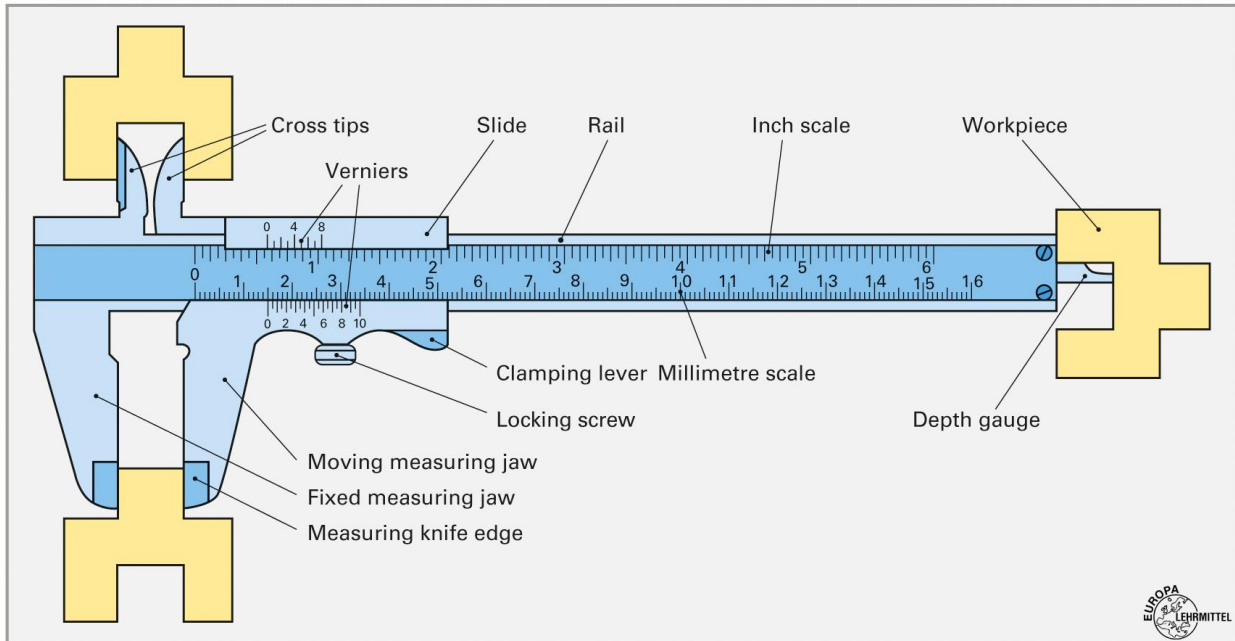
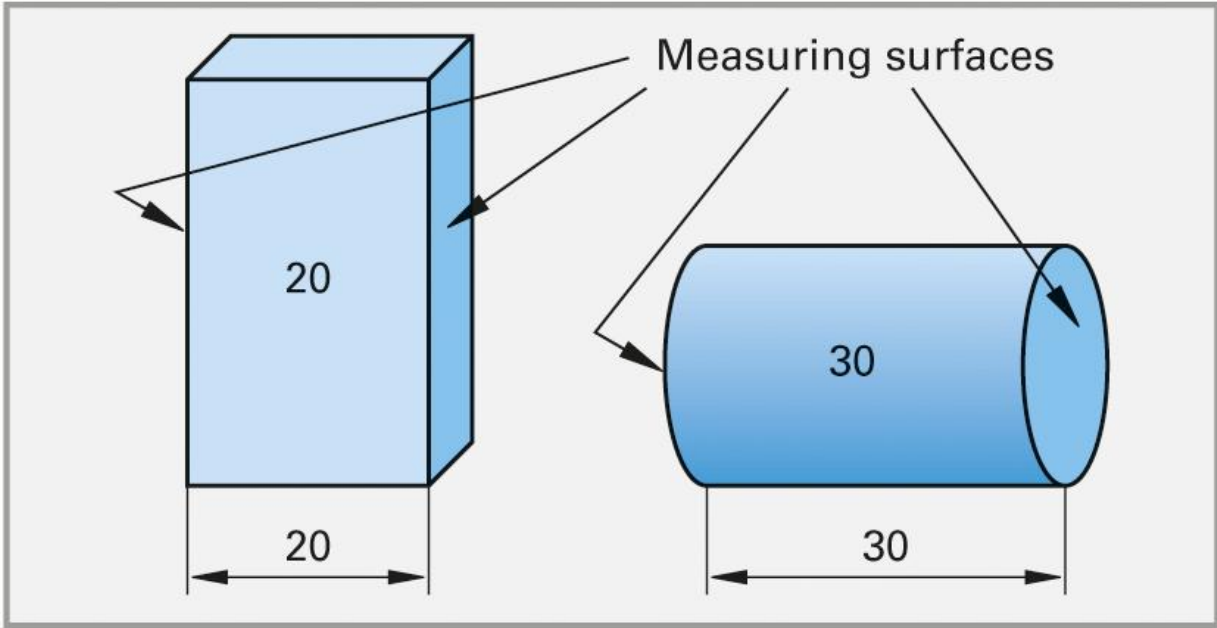


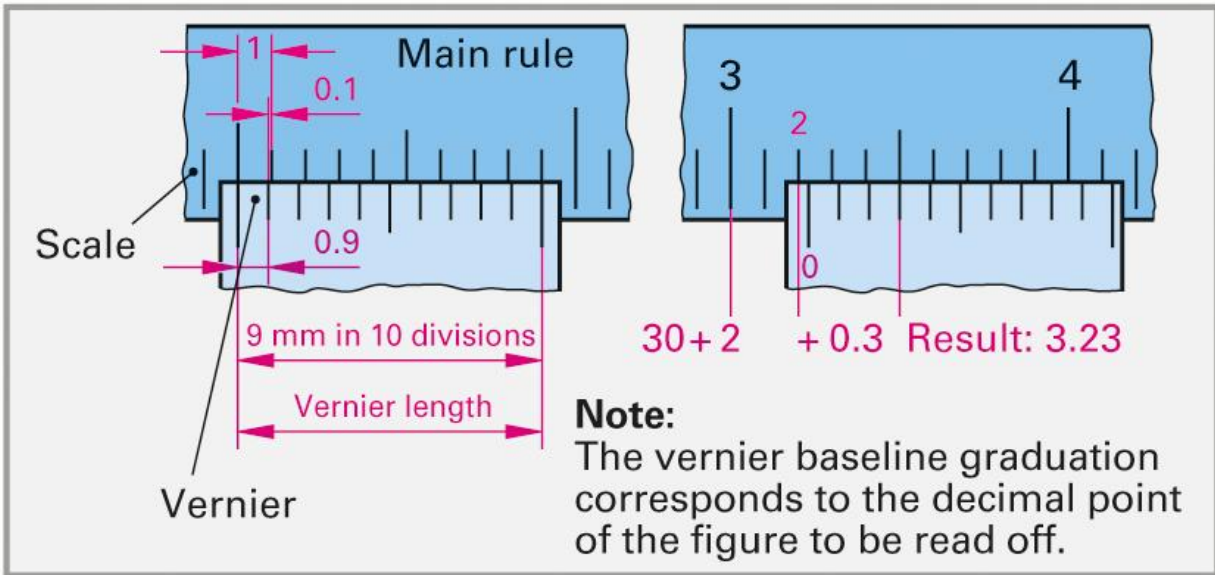
Spring callipers





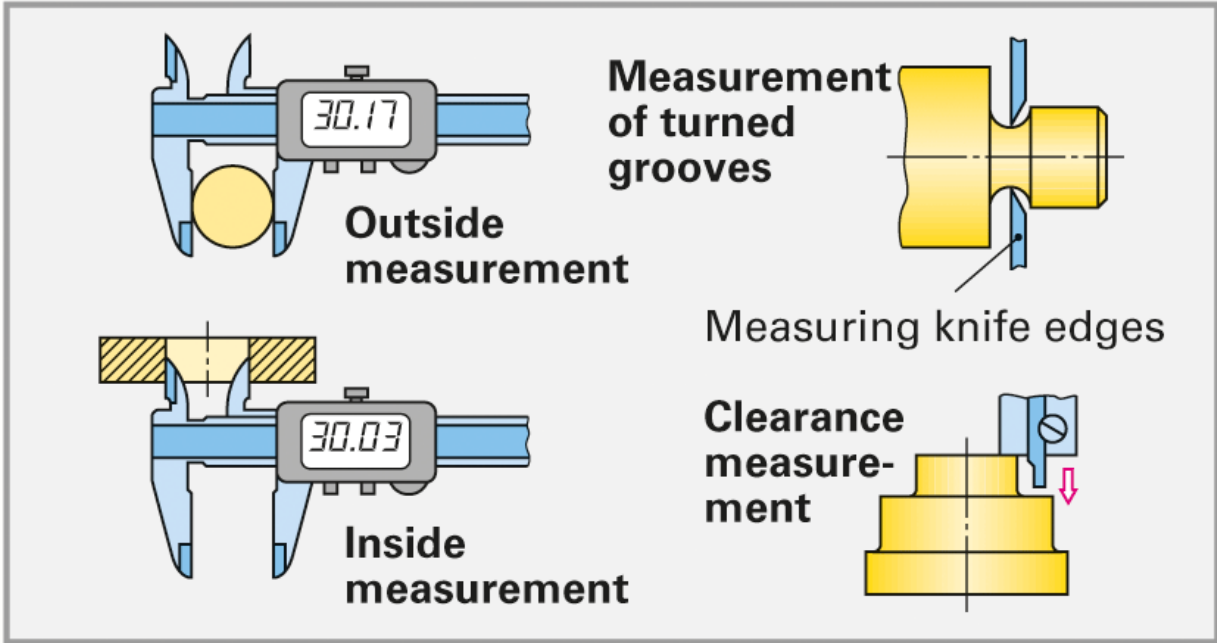






Vernier	Setting	Reading
$\frac{1}{10}$		= 42.7
$\frac{1}{10}$		= 23.5
$\frac{1}{20}$		= 63.25



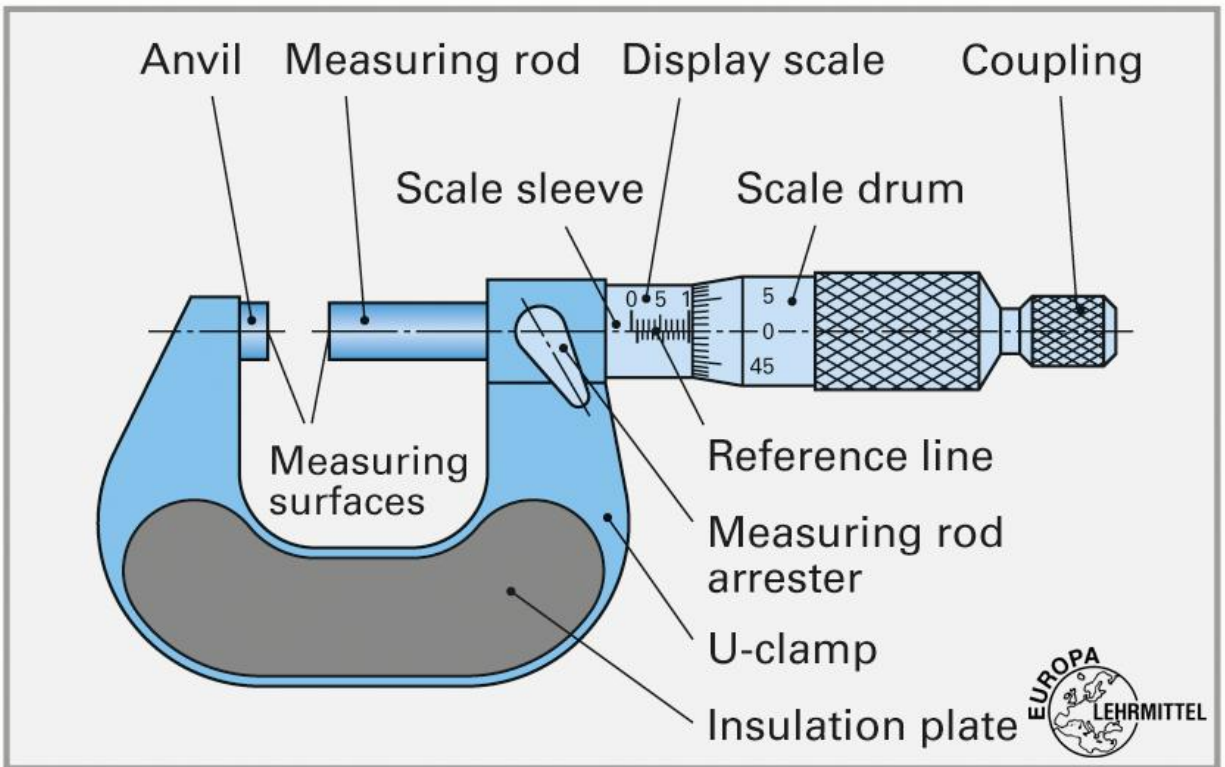
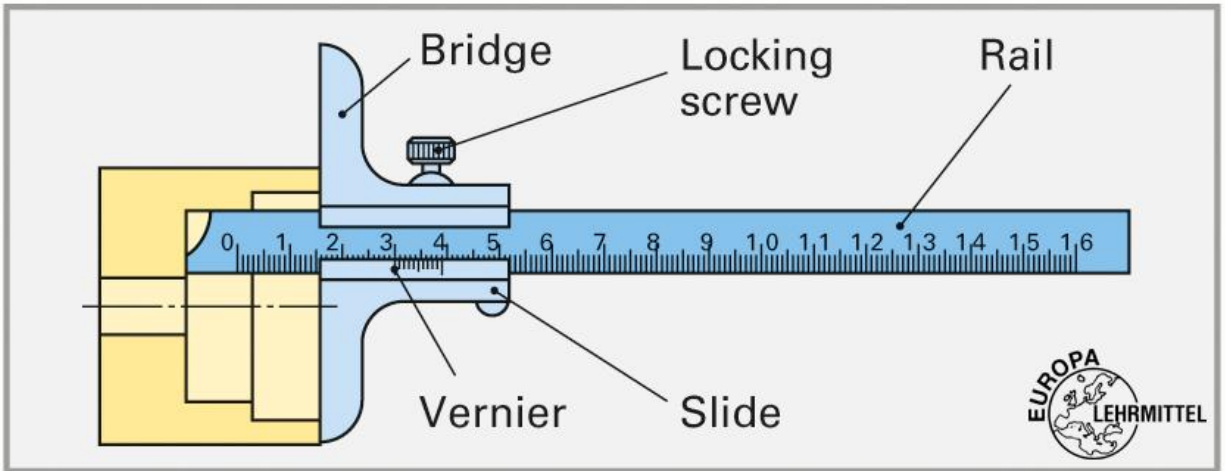


Blocking of display

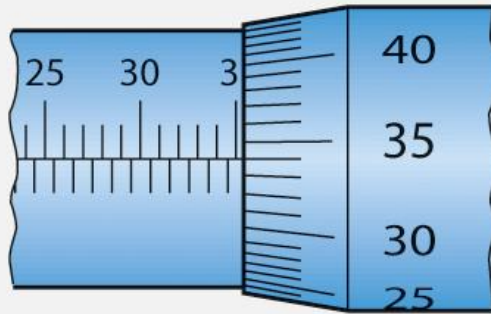
Zero button Battery
Unit selector button
Gauge block: 21.80 mm

Accuracy	
Measured value	Display
21.80 (actual value)	21.79

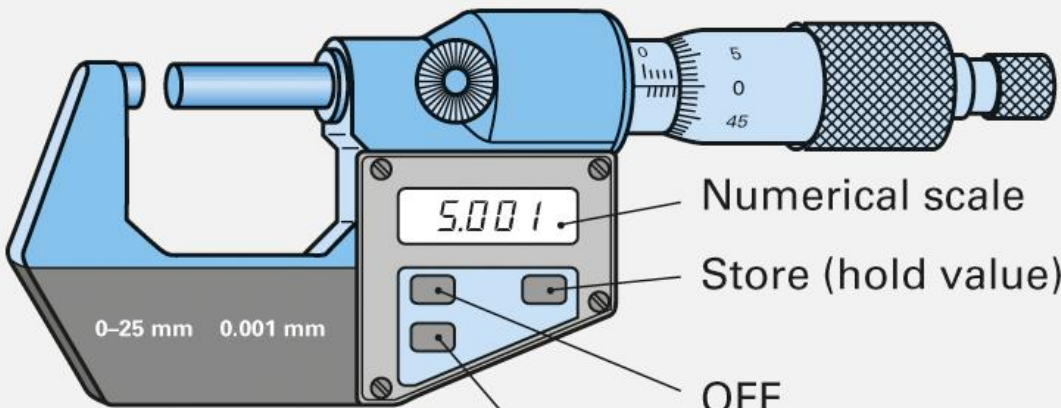
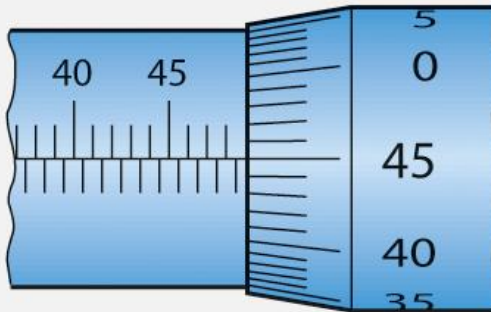




Indication: 35.34 mm

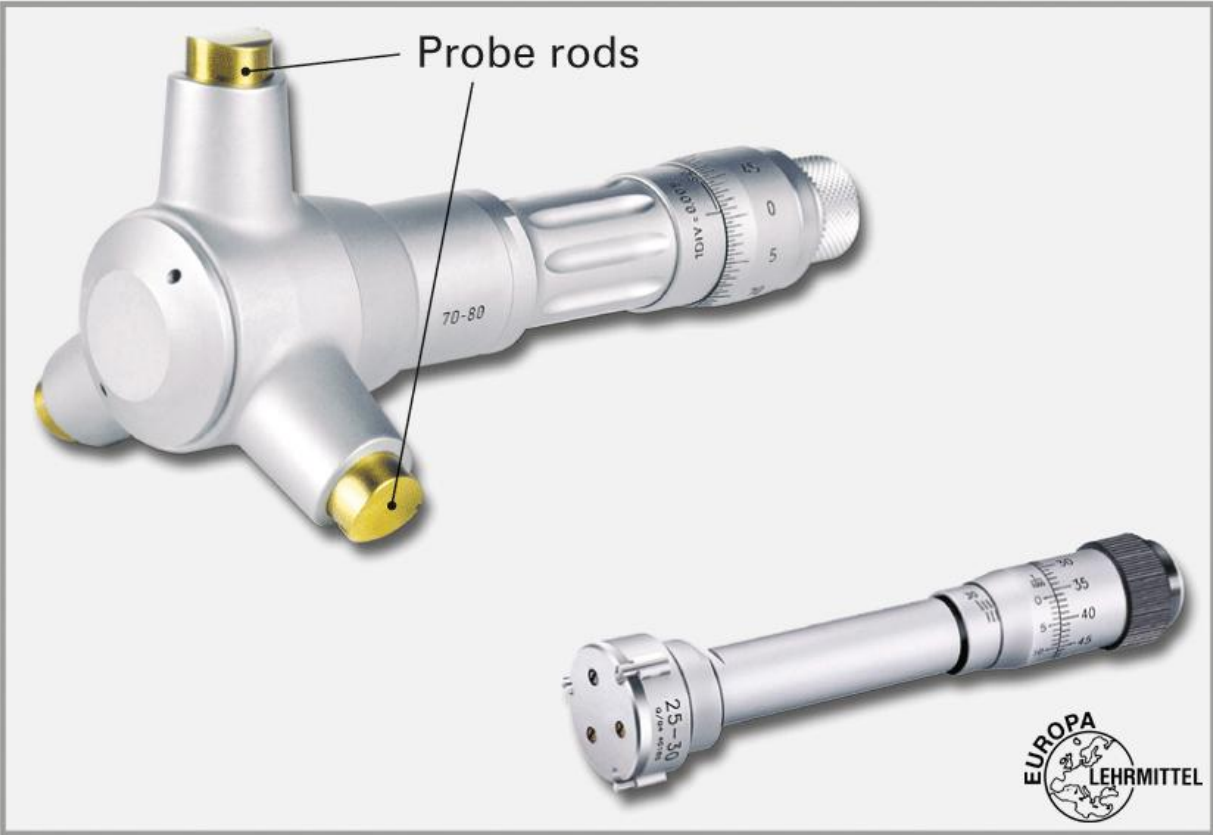


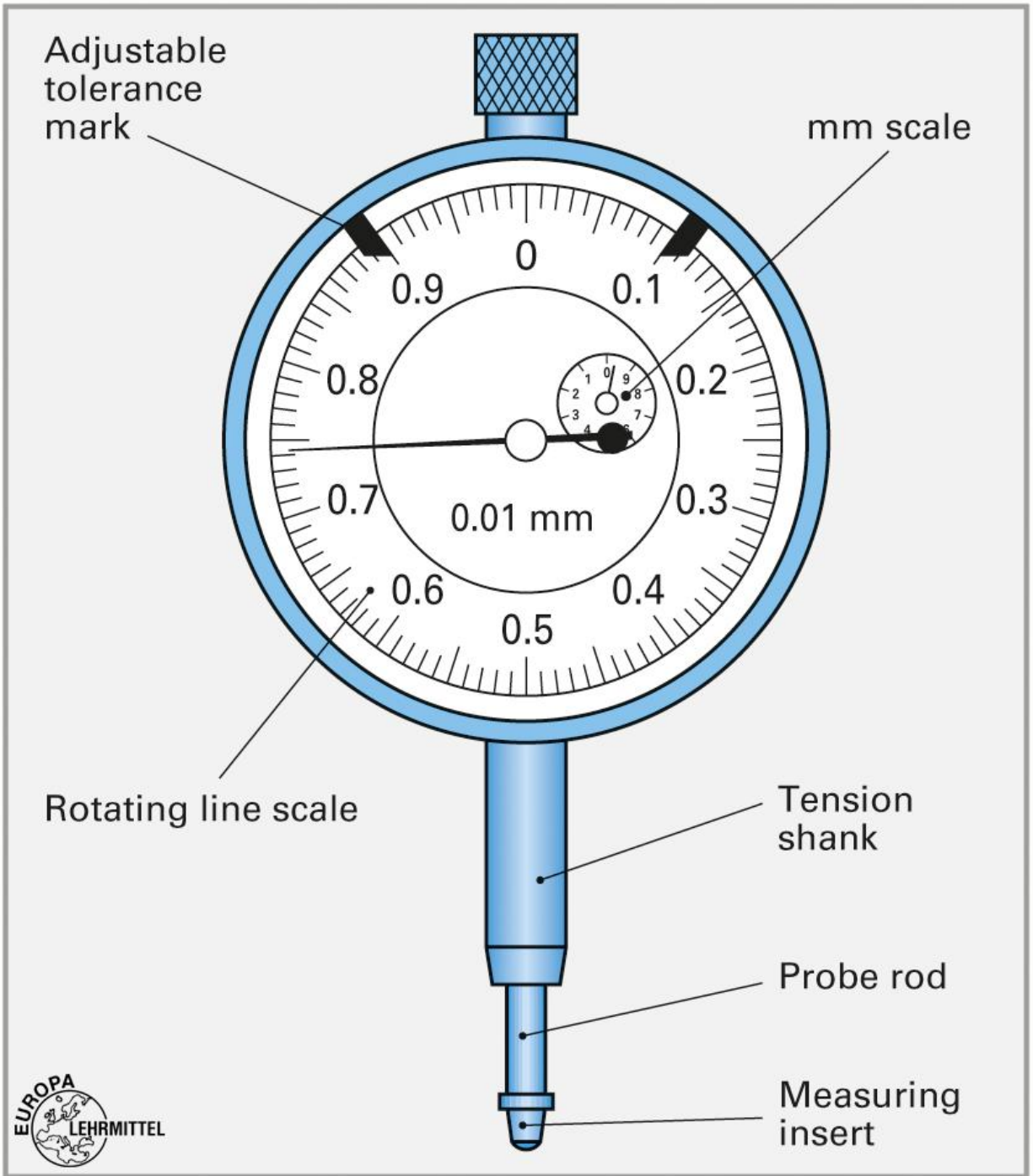
Indication: 48.95 mm

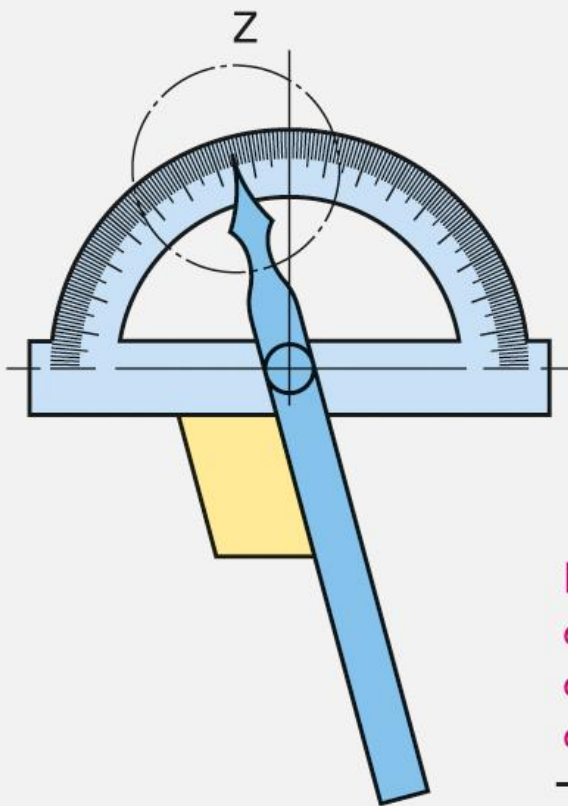


- Numerical scale
- Store (hold value)
- OFF
- ON (zero setting)

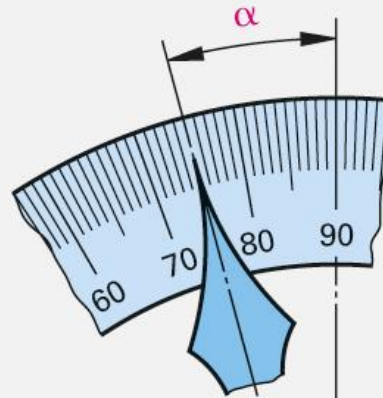








Detail Z

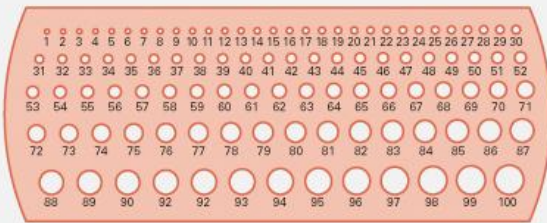


Read-off value = 75°

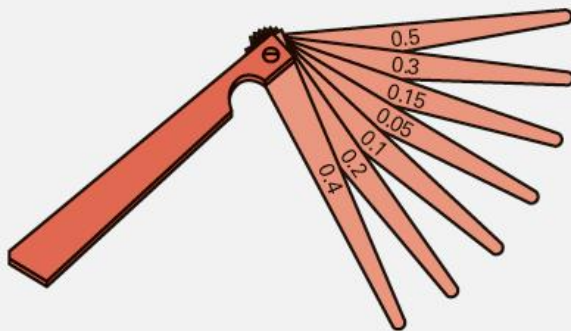
$\alpha = ?$

$\alpha = 90^\circ - 75^\circ$

$\alpha = 15^\circ$



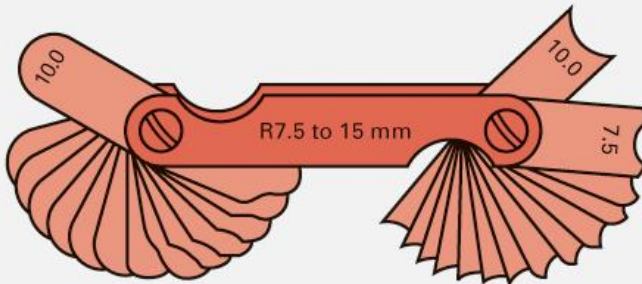
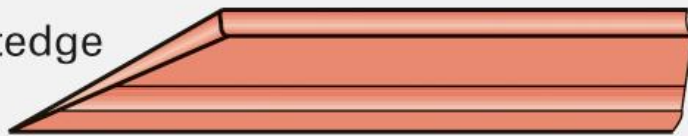
Bore gauge



Feeler gauge

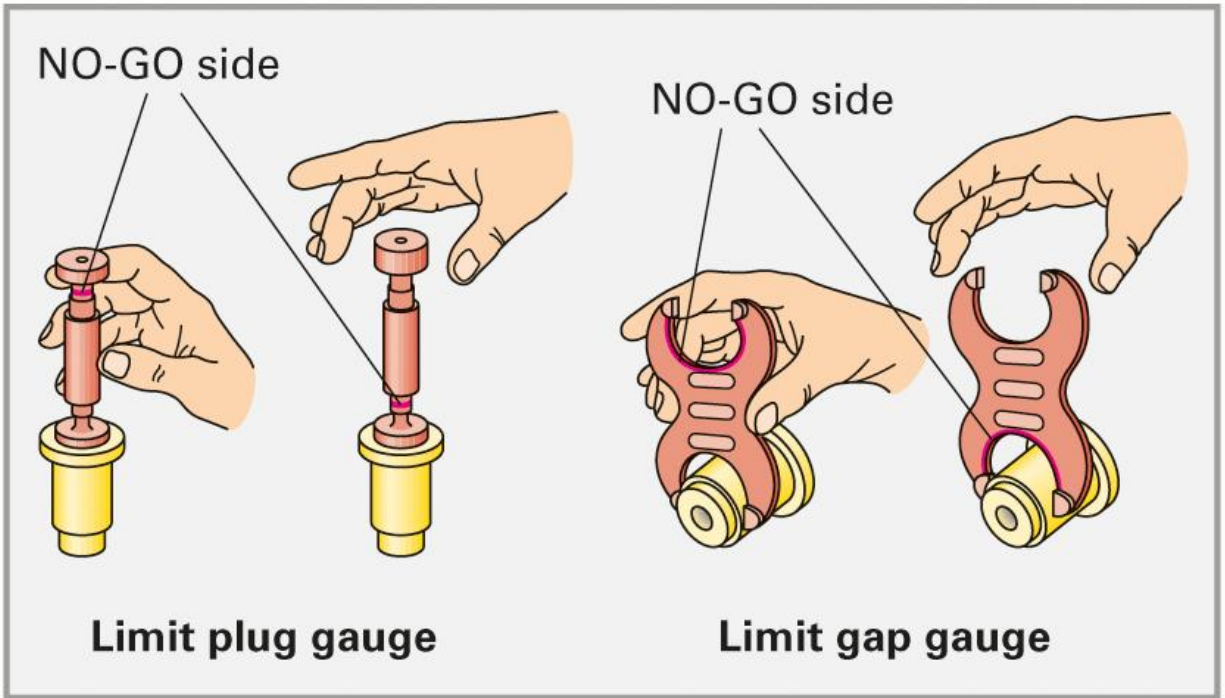


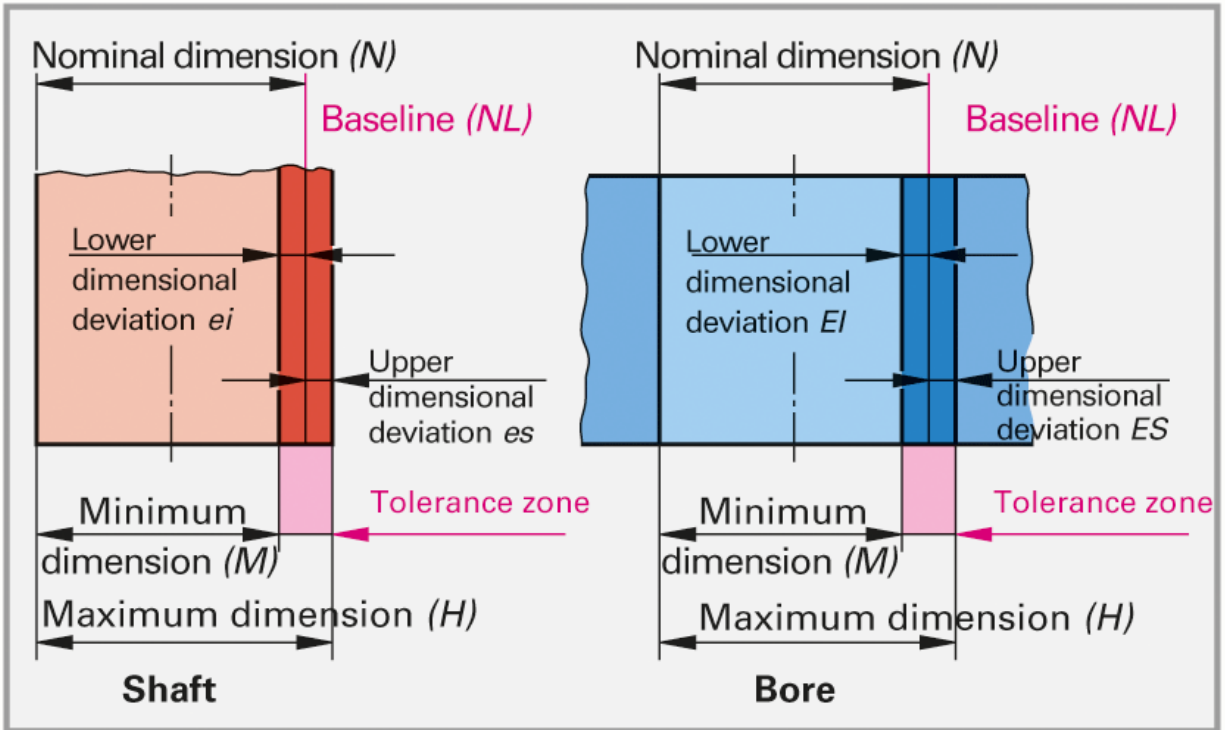
Straightedge



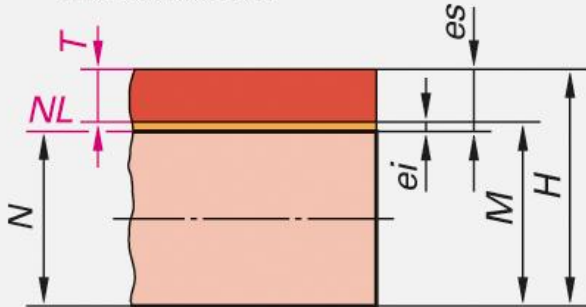
Radius gauge







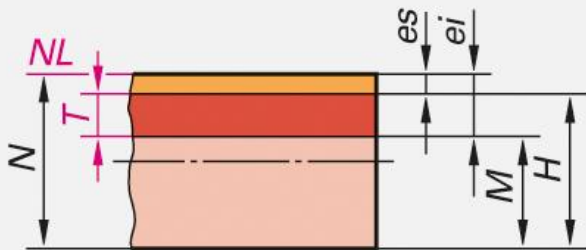
a) es (ES) and ei (EI) are positive. The tolerance zone is above the baseline.



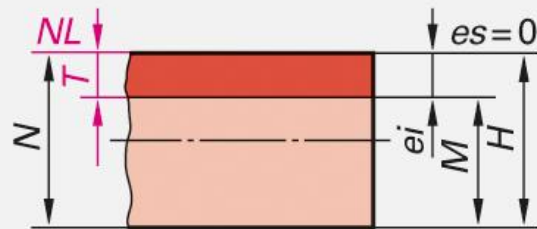
c) es (ES) is positive, ei (EI) is negative. The tolerance zone is on both sides of the baseline.



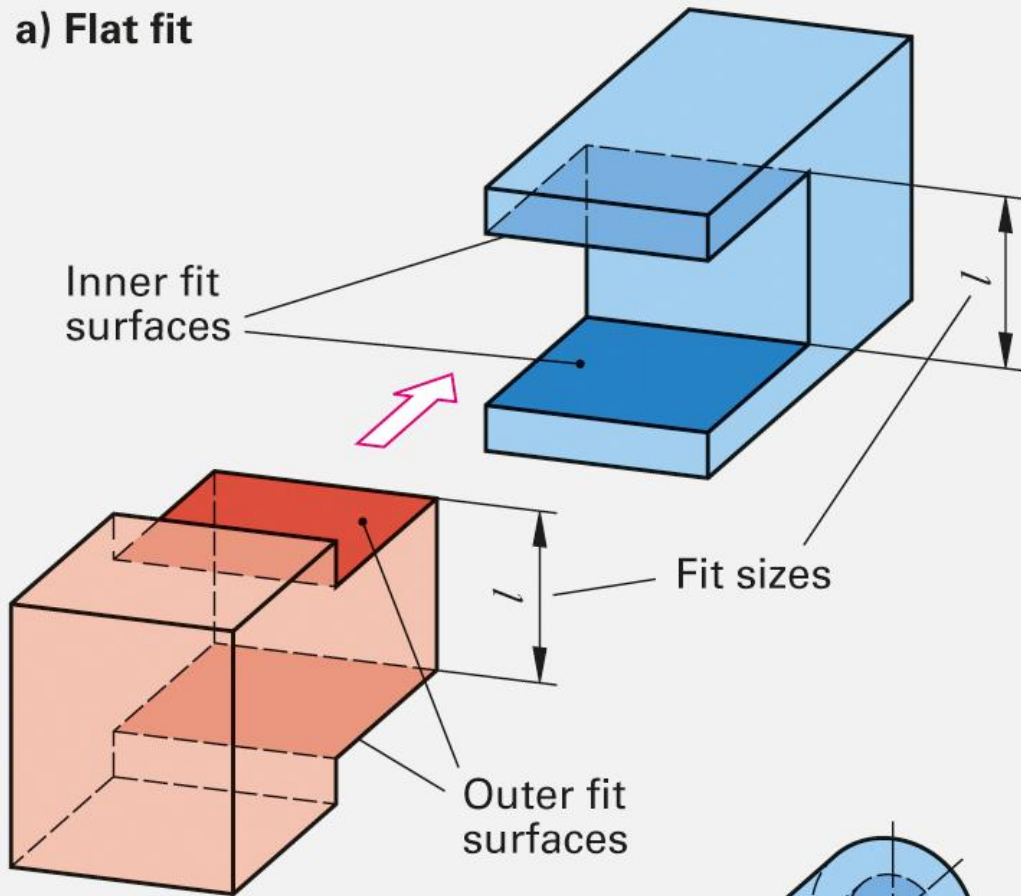
b) es (ES) and ei (EI) are negative. The tolerance zone is below the baseline.



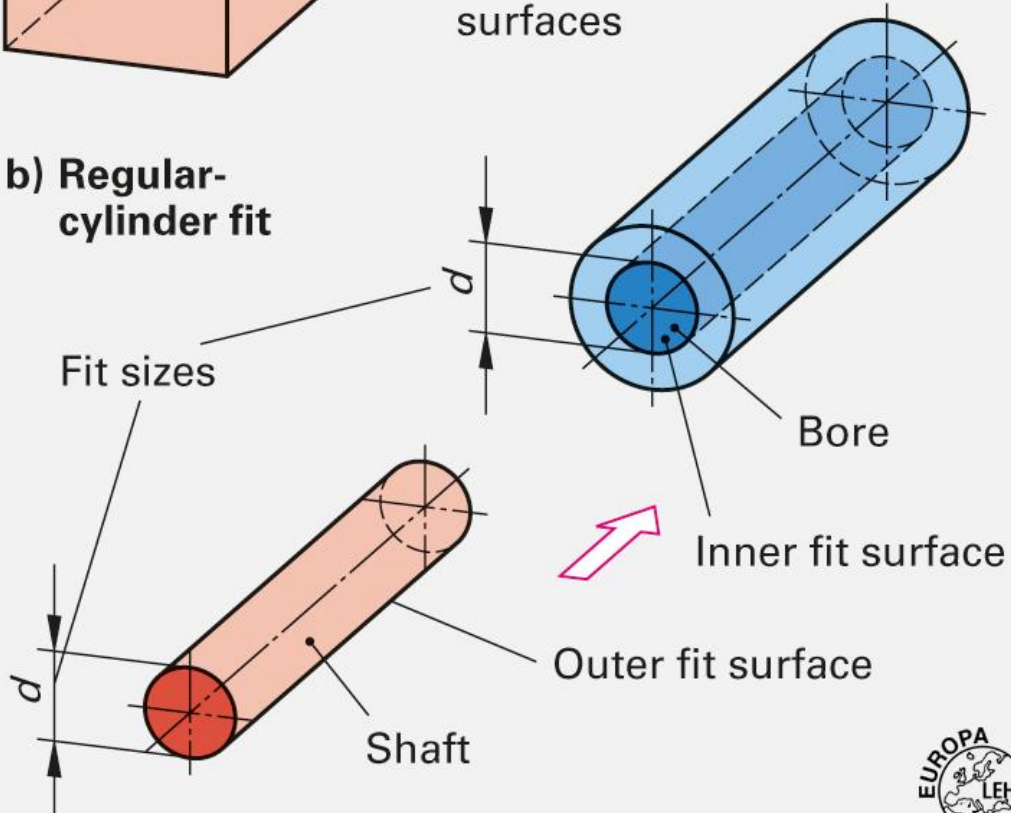
d) es (ES) or ei (EI) is equal to zero, e.g. es (ES) = 0. The tolerance zone is below the baseline.

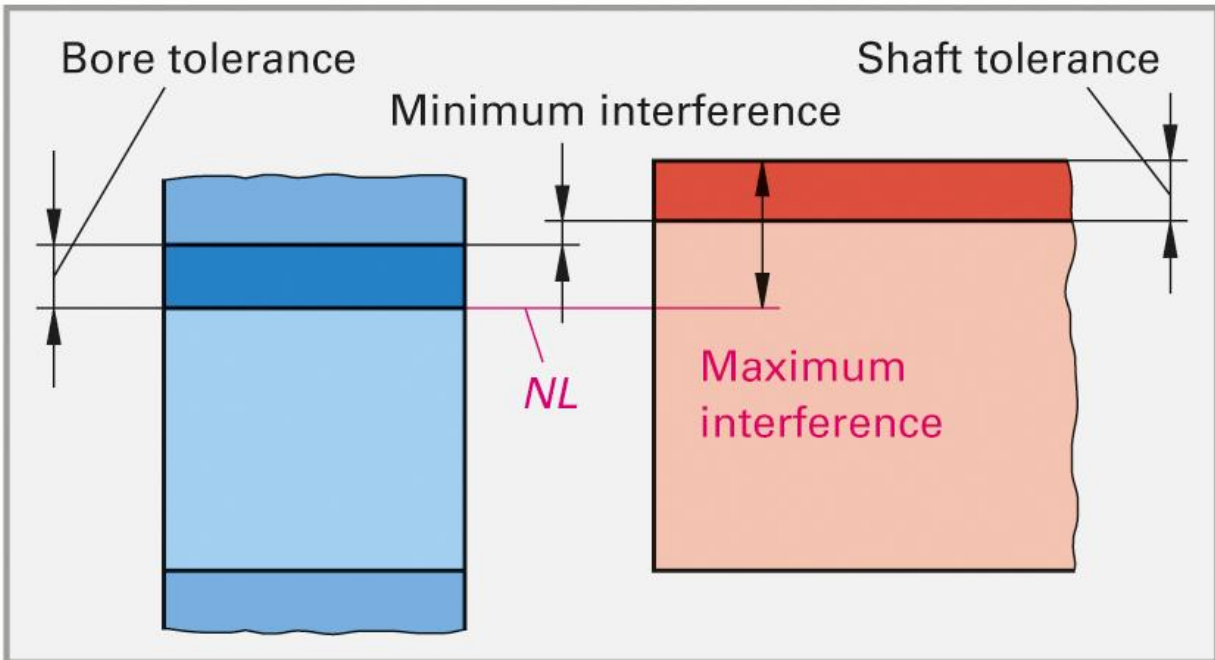
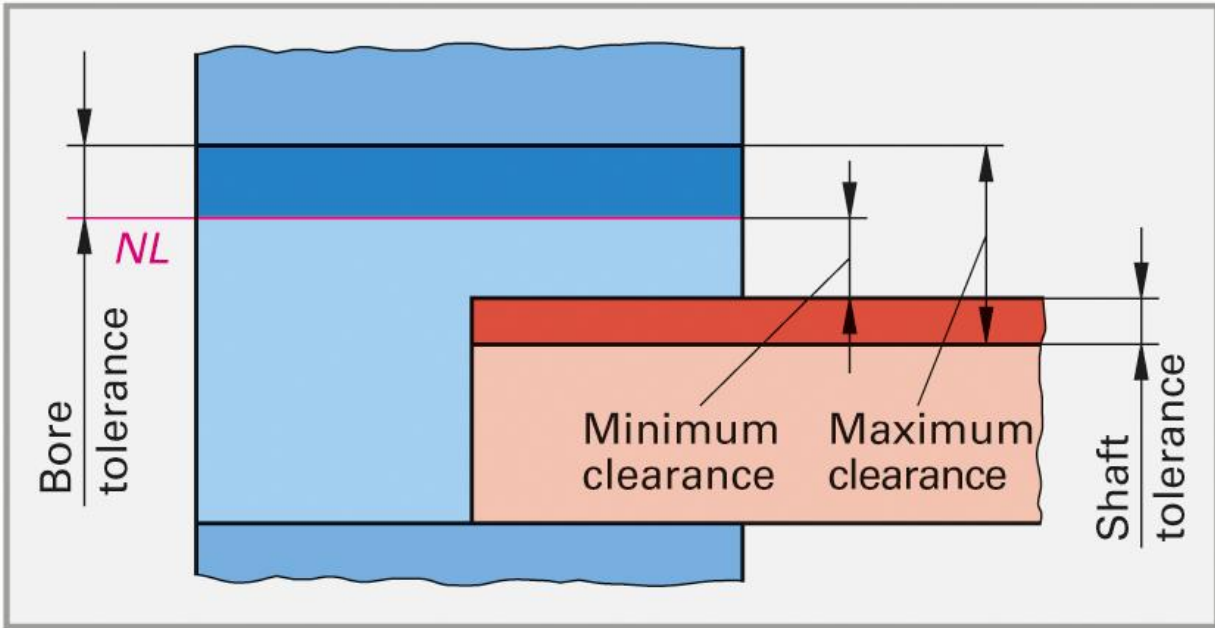


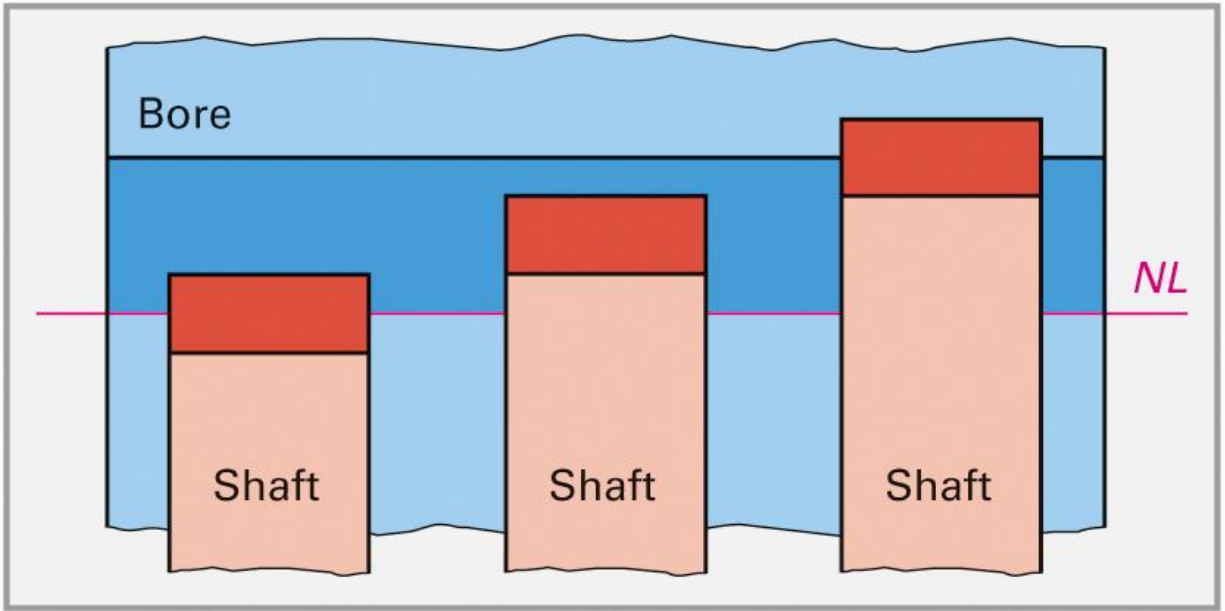
a) Flat fit



b) Regular-cylinder fit







Fit 25H7/h6

$$\text{Maximum clearance} = +21 \mu\text{m} - (-13 \mu\text{m}) = +34 \mu\text{m}$$

$$\text{Minimum clearance} = 0 \mu\text{m} - (-0 \mu\text{m}) = 0 \mu\text{m}$$

Fit 25H7/n6

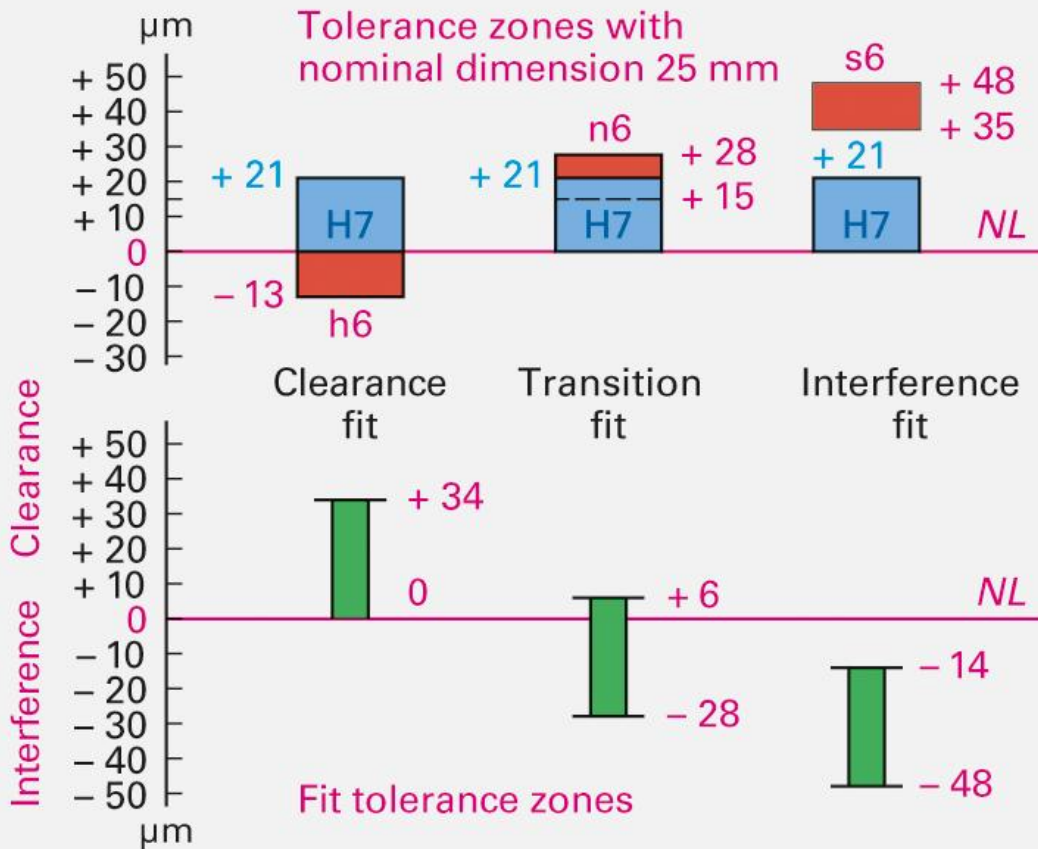
$$\text{Maximum clearance} = +21 \mu\text{m} - (-15 \mu\text{m}) = +6 \mu\text{m}$$

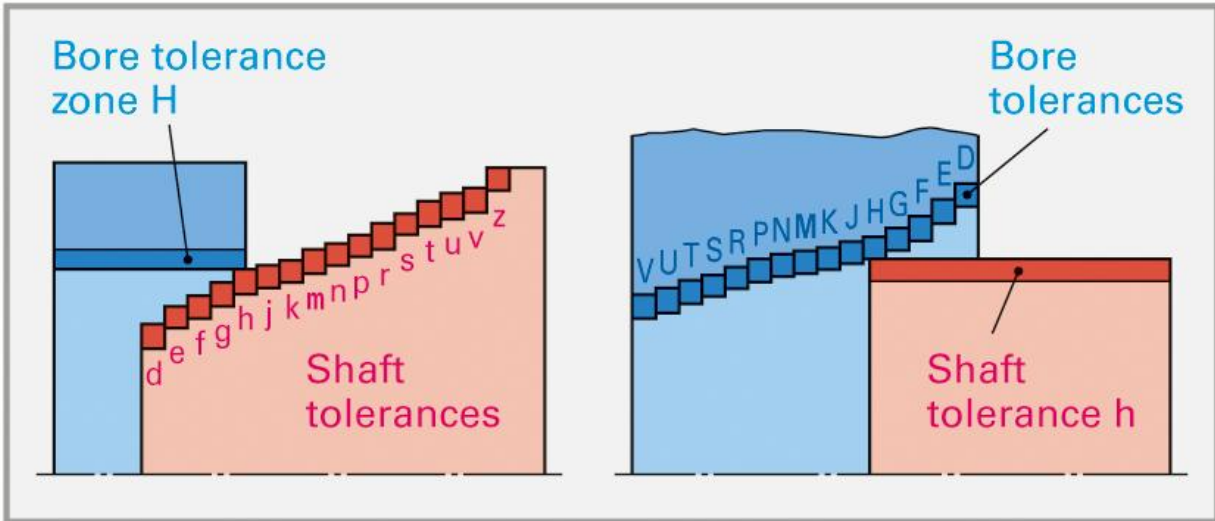
$$\text{Minimum clearance} = 0 \mu\text{m} - (+28 \mu\text{m}) = -28 \mu\text{m}$$

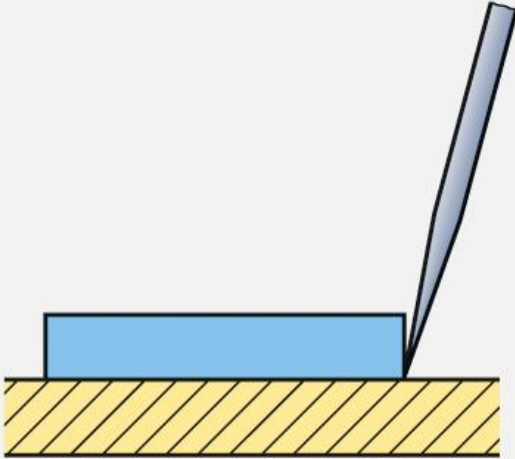
Fit 25H7/s6

$$\text{Maximum clearance} = 0 \mu\text{m} - (+48 \mu\text{m}) = -48 \mu\text{m}$$

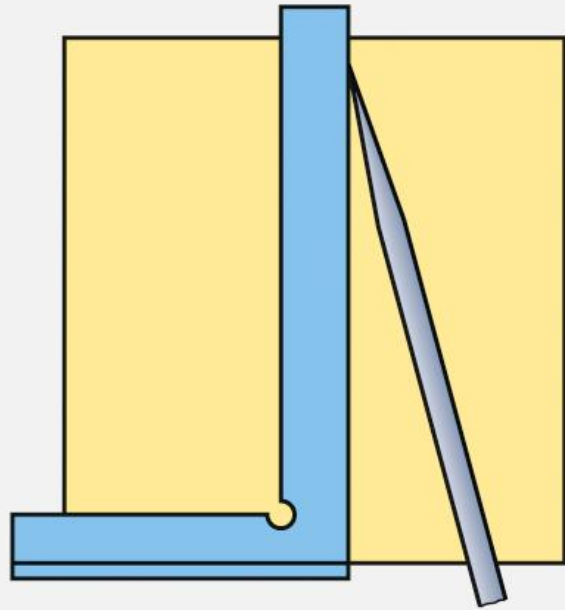
$$\text{Minimum clearance} = +21 \mu\text{m} - (+35 \mu\text{m}) = -14 \mu\text{m}$$







The scribing iron is held at an angle from the ruler



Scribing with shifting square (small workpieces)

