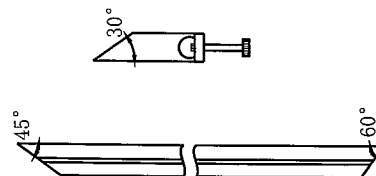
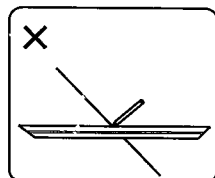
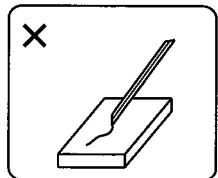
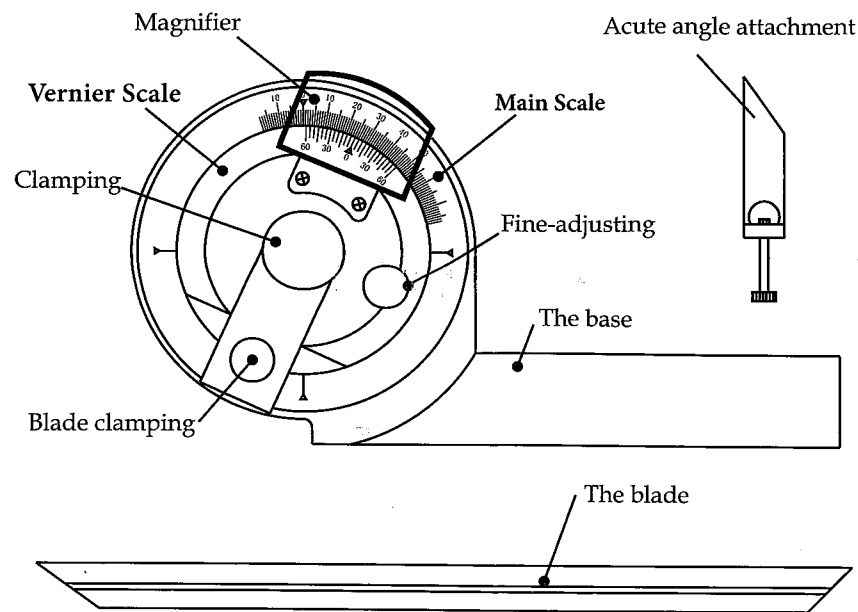


VERNIER PROTRACTOR

Thank you for choosing our **vernier protractor**. This tool is designed for precise angle measurement (0-360°) with a resolution of 5 minutes (5') and an accuracy of $\pm 5'$. It comes equipped with a blade (available in 150mm, 200mm, or 300mm) and an acute angle attachment for measuring sharp angles. Please read this guide carefully before use and keep it for future reference.



How to use

1. Adjusting the Blade

Loosen the blade clamp to free the blade.

Slide the blade to the required length for your measurement.

Tighten the blade clamp to lock the blade in place.

2. Setting the Angle

Position the base and blade to approximate the angle you wish to measure.

Use the fine-adjusting knob for precise alignment.

Once aligned, tighten the clamping device to lock the angle.

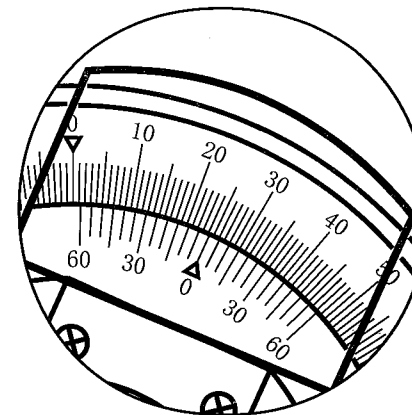
3. Using the Acute Angle Attachment

For angles less than 90°:

Attach the acute angle attachment to the base.

Repeat steps 1-2 to set and lock the angle, using the attachment as a guide for sharp angles.

How to reading



Reading: $24^\circ + 3 \times 5' = 24^\circ 15'$

The **protractor** uses a main scale (degrees) and a vernier scale (minutes) for precision: Read the whole degree value from the main scale, aligned with the vernier **zero**.

Find the vernier mark that best aligns with a main scale mark. Multiply this number by 5' (the resolution).

Add the two values for the total angle.

Care & Maintenance

Clean the tool with a dry cloth after use to prevent corrosion (stainless steel construction resists rust, but avoid prolonged exposure to moisture).

Store in a dry place, keeping the blade and attachments protected from damage.

Do not use excessive force when adjusting clamps or knobs.