

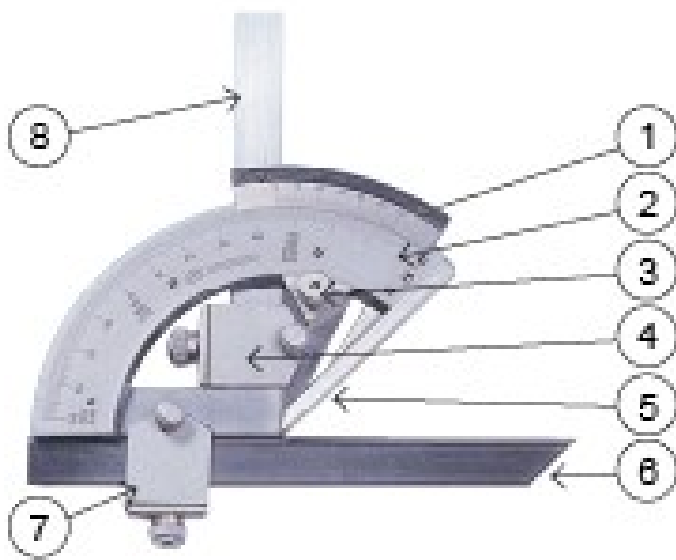


Provides Accurate Angle Measurements  
 Measuring range 0 - 320°  
 Protractor Scale: Graduated 320° in 1° increments  
 Vernier Scale: Reads in 2 minute divisions  
 Accuracy: ± 2 minutes  
 Rack and Pinion Fine Adjustment

Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
51-500-000	Universal Precision Protractor	520	185	32	175

Front View


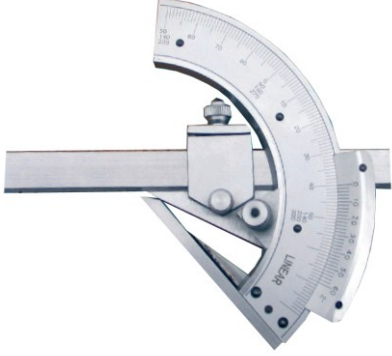




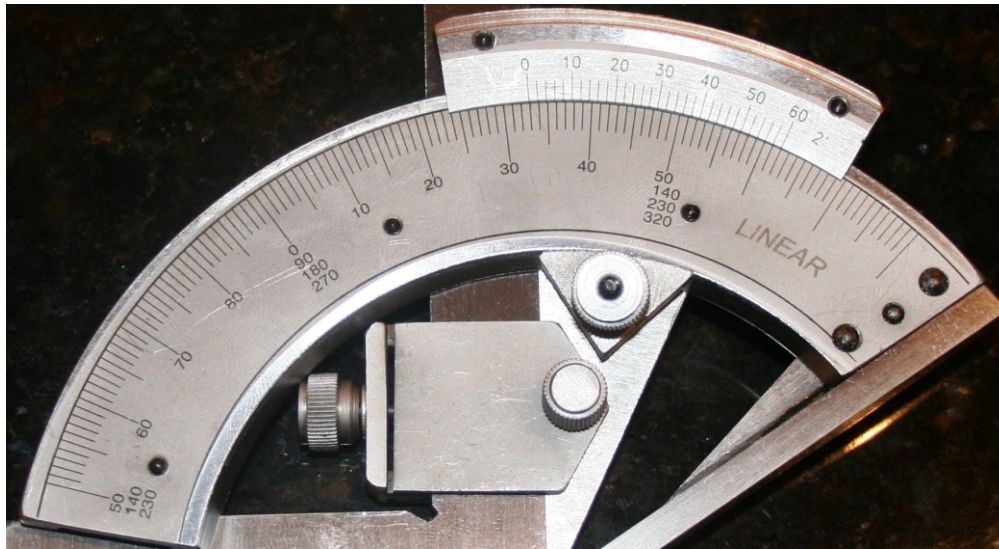
Rear View



Parts List:

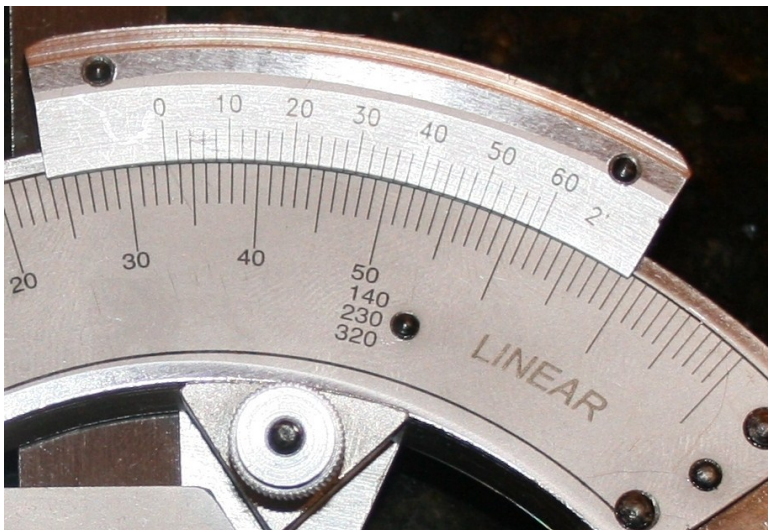
- 1 Vernier Scale
- 2 Main Scale
- 3 Locking Screw
- 4 Vertical Clamp
- 5 Measuring Face
- 6 Bevelled Straight Blade
- 7 Horizontal Clamp
- 8 Square Blade
- 9 Adjusting Wheel

 A universal precision protractor in its first configuration. It features a circular scale with a vertical blade attached to the top and a horizontal blade at the bottom. The scale is marked from 0 to 90 degrees.	<p>Set-up 1</p> <p>Angular Measuring Range: 0 - 50°</p> <p>All accessories fitted</p>
 The protractor in its second configuration. The vertical blade has been removed and replaced with a bevelled straight blade. The scale is marked from 50 to 140 degrees.	<p>Set-up 2</p> <p>Angular Measuring Range: 50 - 140°</p> <p>Remove Square Blade from Vertical Clamp Replace with Bevelled Straight Blade</p>
 The protractor in its third configuration. The horizontal blade and the bevelled straight blade have been removed. The scale is marked from 140 to 230 degrees.	<p>Set-up 3</p> <p>Angular Measuring Range: 140 - 230°</p> <p>Remove Horizontal Clamp and Bevelled Straight Blade</p>
 The protractor in its fourth configuration. All accessories have been removed, leaving only the circular scale and the base. The scale is marked from 230 to 320 degrees.	<p>Set-up 4</p> <p>Angular Measuring Range: 230 - 320°</p> <p>Remove all accessories</p>



Scale Ranges:

Position	Angle Range
1	50, 140, 230
2	0, 90, 180, 270
3	50, 140, 230, 320



Example of Vernier Scale Reading:

Main Scale Graduated: Degrees

Vernier Scale Graduated: 2 minutes

Mains Scale Reading:  $32^\circ$  + Vernier Scale Reading

Vernier Scale Best Line Up: 54'

Angle reading:  $32^\circ 54'$