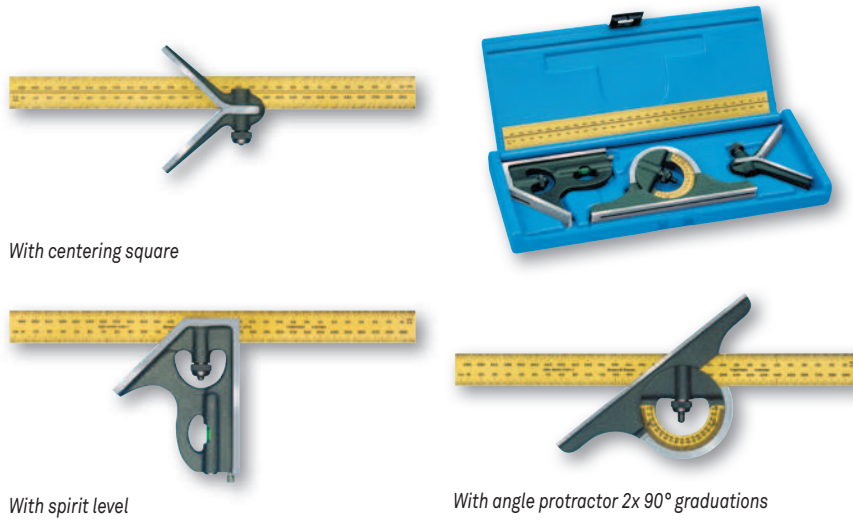


### Brown & Sharpe Angle Protractor - Multiple Combinations

This angle protractor combination set can be used as a scale, depth gauge, try square, centering tool, marker or even as a spirit level.

Hardened steel.  
Measuring faces specially treated against scratches

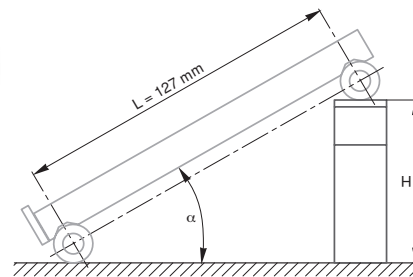


06719000	B&S angle protractor set with multiple combinations	Consisting of: - 1 Ruler graduated in millimetres, length 300 mm - 1 Angle protractor with 2 x 90° graduations - 1 Centering square - 1 Square head with scribe

### Brown & Sharpe Sine Bar

Suited for setting ranges from 0 to 60°

Sine function for establishing the angle that needs to be set on the basis of the length dimensions obtained from parallel gauge blocks.



5  $\mu$ m  
 Hardened alloy steel  
 Removable front stop



Example for the calculation of an angle  
Given: H = height of combination gauge blocks in mm  
L = length of B&S sine bar in mm

Formula:  $H = L \cdot \sin(\alpha)$   
 $\sin(\alpha) = H/L$   
angle = arcsin (H/L)

Calculation for determining angle knowing H et L values:  
angle = arcsin ( 89,803 / 127 ) = arcsin ( 0,70711 ) = 45°

06769005	B&S Sine bar	L (centre distance), mm 127 ± 0,004	mm 123 x 25