



**STEP 1**  
 Spindle-to-pivot distance:  
 - push protractor hole onto spindle  
 - rotate protractor point to pivot point  
 - correct discrepancy (see manual) or...  
 - calculate new effective length

**STEP 2**  
 Pivot-to-stylus distance:  
 - place protractor point at pivot point  
 - lower stylus onto curves  
 - adjust cartridge for correct length

**STEP 3**  
 Cartridge offset angle:  
 - push protractor hole onto spindle  
 - rotate so stylus sits on null point  
 - align cartridge with grid  
 - repeat steps 2 and 3 until dizzy

# SUPTRACTOR

supatrac.com  
 For 12 inch Nighthawk  
 291.5 mm spindle-to-mount centre  
 309.15 mm spindle to pivot  
 Baerwald geometry

309.15 mm  
 pivot-to-spindle

CUT AWAY  
 GREY AREA

