

The Stein Fixed Cup Wrench Clamp permits fixed bottom bracket bearing cups with a narrow wrenching surface to be easily installed and removed with standard wrenches by providing a method to secure the wrench to the flats on the cup.

### TO REMOVE THE BOTTOM BRACKET ASSEMBLY:

First, place the wrench onto the flats of the fixed cup. Thread the center bolt of the wrench clamp so the head of the knurled knob is near the aluminum disk with the stamped name on its face. Thread the bolt end into the end of the bottom bracket spindle. Next, thread the cylindrical body down to secure the wrench against the bottom bracket shell. Proceed to remove the bottom bracket fixed cup, then the rest of the assembly as usual.

### INSTALLING THE FIXED CUP INTO A FRAME:

Put together the entire assembly first leaving the bearings plenty loose. Now, attach the wrench to the fixed cup. Thread the wrench clamp into the end of the spindle and use the outer cup to secure the wrench in place. Tighten the cup as needed.

### STUD TYPE "NUTTED" SPINDLES:

Simply use a 4mm Allen wrench to unscrew the 8 mm threaded stud from the end of the black bolt. The resulting 10x1.25 mm internal thread will screw directly to the end of this type of spindle.

### "HOLLOWTECH" AND ISIS BOTTOM BRACKETS:

An adapter is available to use this tool with 12 mm and 15 mm threaded spindles found on "hollowtech" and ISIS bottom brackets. When using this adapter, it is simply threaded onto the 8 mm threaded stud of the tool.

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### DESIGNED AND MANUFACTURED BY:

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