

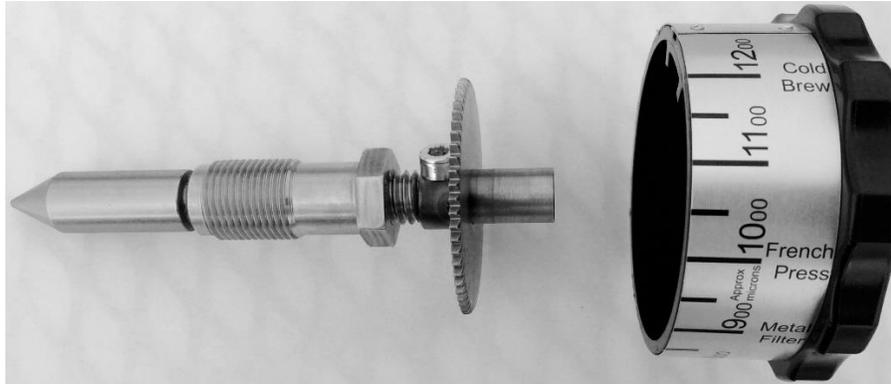
# COLD BREW...Modifying existing 804, 1203 and 1403 grinders



We have manufactured a retrofit gear that modifies **ANY** Ditting 804, 1203 or 1403 grinder for Cold Brew Application.

The new gear replaces the existing gear in the grinder and extends the particle range from 100 to 1200 microns.  
**The new settings match the settings on the old dial.**

The new dial is marked to indicate the setting for any brew and also indicates micron size.



The modification is very simple and takes less than 10 minutes.

1. Remove the center screw on the old dial, and then remove the dial, silver cover and spring and put them aside.
2. Remove the old gear by unscrewing it counter-clockwise and place it with the other parts.
3. **THE NEW GEAR:**
  - a. Remove allen screw that attaches the gear to the shaft. The gear will then slide off the shaft.
  - b. Use a little bit of food-grade grease to grease the brass sleeve.
  - c. Using a 19mm deep-well socket wrench, tighten the brass section all the way into the grinding chamber housing.
  - d. Once it is all the way in and tight, slide the gear back onto the shaft and replace the allen screw snugly.
  - e. Turn the gear clockwise until you feel resistance indicating that the rotating plate has reached the stationary plate. Back off the gear about one whole revolution.
4. Turn the grinder on, but make sure you don't hear a metal grinding sound. If you do, unscrew the gear a bit.
  - a. Place the new dial on the gear and line up number 12 of the new dial on the gear in front of the RED arrow.
    - i. **With the grinder running, slowly** turn the dial towards number one until you hear chirping.
      1. Notice the number on the dial when you first hear the chirping.
      2. Turn the dial counter-clockwise the distance of one number.
    - b. Pull out the dial and **set the number one in front of the RED arrow.**
    - c. Place the spring and the silver cover back on and attach the screw.
5. **With the grinder running**, turn the dial from one through 12, and it should turn smoothly with NO chirping noise.

Your grinder is now calibrated to go from 1 (100 microns) to 12 (1200) microns with a linear output.