



ALTURA RECOMMENDED GRINDER CALIBRATION

This process has been broken down into 3 simple steps to help you easily Calibrate your grinder. Controlling the consistency and quality of our espresso is easy once we understand the importance of these 3 steps and why these need to be done in the correct sequence. Like baking a cake, *follow the recipe and its sure to rise.*

1; Weigh:

Weigh out your ground coffee to **20grams**. If you have slightly smaller baskets, then ask your Trainer or Rep to advise on the correct weight for your baskets. *Why do we have to weigh?* Because weighing gives us a constant variable that doesn't change. This allows the barista to easily identify a grind size fault.

2; Time:

Run the espresso using your double shot button and time the extraction. Did it achieve 27-30 seconds?

No: the espresso finished outside the correct extraction time.

It is very important to understand the two different sizes of grind that impact extraction time and flavour.

A large grind (coarse) is loose, less uniformed and allows the water to rush through into the cup. This would give a short extraction time (under 27 seconds) and a watery sour flavour.

A small grind (fine) is more uniformed, appears clumpy and feels similar to cocoa powder, it compacts more easily and is very difficult for the water to run through, dripping into the cup. This would give a longer extraction time (over 30 seconds) and give a smoky bitter flavour.

3; Grind Adjustment:

To change the grind size you will need to use the Grinder Collar of the grinder and move it one step/number at a time. The triangle arrow on the front of the grinder, below the collar, points to the current number setting, use this arrow to help align the correct number, effectively changing the grind size. Aligning the triangle arrow with a bigger number will give you a bigger grind (coarser) while aligning the arrow with a smaller number will give you a smaller grind (finer). Move the collar only one step/number at a time as this will be significant enough to change your extraction by up to 10 seconds.

-Under 27 seconds > align a smaller number

-Over 30 seconds > align a bigger number

-Move one step/number at a time

If there is no arrow on the grinder pointing to the dial, create a reference that points to the dial and aligns with a number.

After making an adjustment on the grinder it is important to grind 2-3 baskets of coffee and throw it away. This means when we go to retest our grind, we are not retesting on any old grind that was behind the chute of the grinder which may create confusion leading to further unrequired grind adjustments.

Did our adjustment work? **'Yes it's Perfect'** – **No**? Repeat steps 1 & 2 until you reach the correct extraction.