



ADDING A THERMOMETER TO A BEHMOR

THE THERMOMETER + THE PROBE USED AT THE NB



Mastech thermometer: model
MS6500.

It comes with a cloth probe,
which can not be used inside the
Behmor.

ANY thermometer that fits a K-
type probe works fine!

Omega thermocouple: model
KMQSS-125U-12
SUB MIN T/C w/Molded Connector

The U stands for ungrounded, and
the 12 is the length.

"Thermocouple" is a science-y
word for probe.



HACKING THE BEHMOR

YES YOU CAN HIRE SOMEONE TO DO IT



GOAL: to add an internal probe (thermocouple) to use with a thermometer to read bean mass temperature during roast

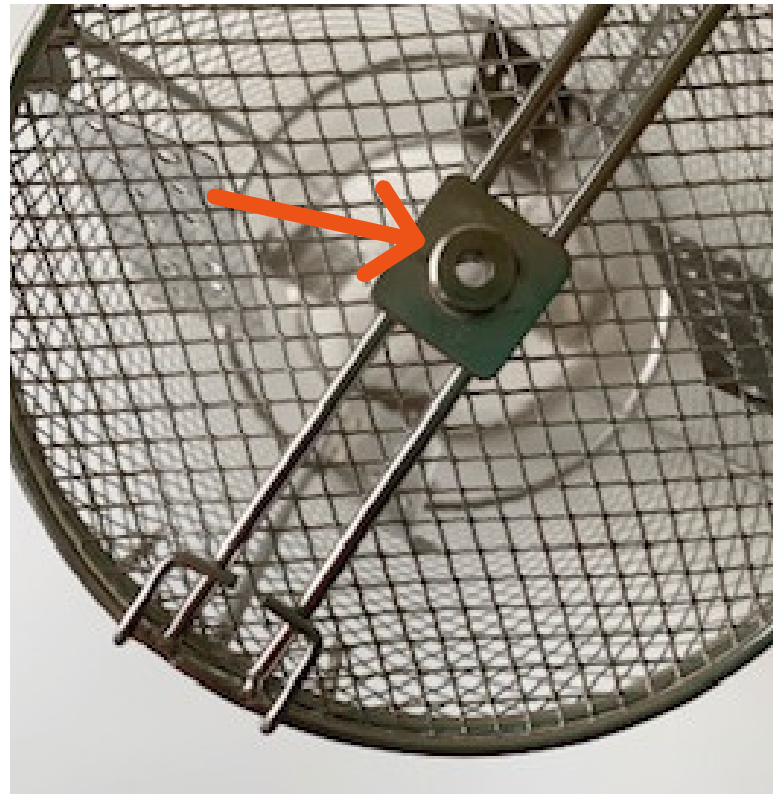
Step n.1: is to drill a hole through the exterior of the Behmor all the way through the second (internal) wall to line up with the basket bracket on the inside. The purpose is to be able to insert the probe, which, after step n.2, will extend into the beans inside the basket. Step n.1 is fairly easy: you need a drill, a steady hand, and precise measurements.

Step n.2 drill a hole through the basket/drum lid arm piece. This is the nailhead-shaped piece that drops into the bracket on the inside left of the roaster. This step requires a drill press (which drills a clean/straight hole). I take my Behmors to a machine shop, but if you have a drill press or know someone with a drill press, those are options.



HACKING THE BEHMOR

WHERE TO DRILL THE HOLES



Measure to find center of the sidewall on left (facing you) side and mark w/ X of tape. (look inside roaster to see where the basket bracket lines up) and "tap" the hole target with a nail.

Use a **1/16th drill bit** and drill all the way through the outer wall and then through the inner wall.

Change the drill bit to a 5/32 and re-drill the exact same hole (this is widening the diameter a little).

Smooth any rough edges with sandpaper is needed.

To drill the basket: you will need a drill press, or ask someone with a drill press to drill it for you. A local machine shop or carpenter can help.

No measuring necessary: have them use a **1/16th drill bit** to drill the center of the "nail head" piece that is located on the basket lid. see arrow above.

Switch to a 5/32 bit and drill the hole again.

(a machine shop w/ a drill press can do all of this easily and inexpensively!)