

Reflow Rider™

Operation Instructions

Getting Started

There are three adjustments to be made on your REFLOW RIDER. The first two fit the REFLOW RIDER to your oven and profiler, and the third matches the REFLOW RIDER to the spacing between the pin rails.

Adjust the REFLOW RIDER to the Vertical Openings in Your Oven

The REFLOW RIDER has a 1.9 in (5 cm) height adjustment range to permit your profiler to be vertically centered in the opening of your oven. Figure 1 shows the range of height adjustments for each of the four possible orientations of the outer rails.

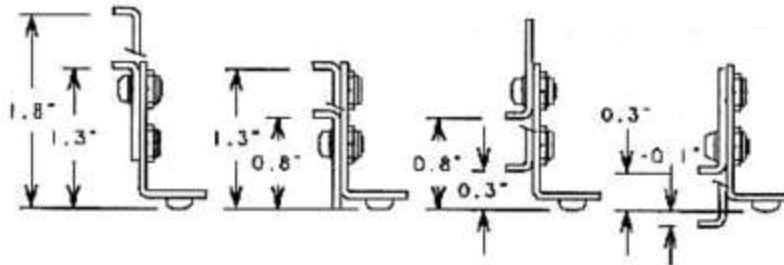


Figure 1: Rail Adjustment Range

To set the height to fit your oven:

- Measure the distance from the top of the edge rails in your oven to the top of the highest obstruction in the bottom of the oven which must clear the REFLOW RIDER.
- Subtract 1/4" for clearance to get your height setting.
- Select the configuration in Figure 1 that covers this height setting. If necessary, remove and reattach the outer rails as shown in the configuration.
- Use the slanted slots to obtain the exact height setting, and tighten the four screws to lock it in.

Fit REFLOW RIDER to Your Profiler

- Referring to Figure 2, pivot the two profiler support arms (A) out, perpendicular to the support deck.
- Center your thermal profiler on the arms, with its back end resting against stop (B) at the end of the support deck.



Figure 2

- If the profiler is *less* than 10 in long, pivot the arms *toward* stop (B) until they touch the sides of the profiler.
- If the profiler is *more* than 10 in long, the arms should be pivoted *away from* stop (B) for greatest stability.
- Remove the profiler and tighten the support arm pivot screws to lock the arms in position.

Match REFLOW RIDER Width to the Space Between the Pin Rails

REFLOW RIDER width, measured across the vertical side rails, should be slightly less than the space between the pin rails.

To Set the Width Between 3 1/4 in and 14 1/4 in (8.2 cm to 36 cm)

- Leave screw (C) snug, but not tight, at the *outer* end of its slot, as shown in Figure 2
- Loosen screw (D) a turn and pull the rails (E) apart until the width, measured across the vertical side rails, is slightly less than the space between the pin rails. The rails should move easily when screw (D) is loosened. The other six screws in the scissor arms are locked. Do not attempt to tighten them.
- Retighten screw (D) to lock the rails at that width.

To Set the Width Between 14 1/4 in and 20 in (36 cm to 51 cm)

- Leave screw (D) snug, but not tight, at the *inner* end of its slot.
- Loosen screw (C) at turn. Separate the rails (E) until the width, measured across the vertical side rails, is slightly less than the space between the pin rails.
- Retighten screw (C) to lock the rails into position.

Note: The two posts on the end of the support deck may be used to hold excess thermocouple wire. The wire can be wrapped around the posts in a figure eight. The posts may be removed if not needed.

REFLOW RIDER is built of high quality materials, for reliable operation and long life. The side rails, arms and support deck are hard anodized aluminum. The side rails are clear anodized aluminum. All fasteners are stainless steel.