

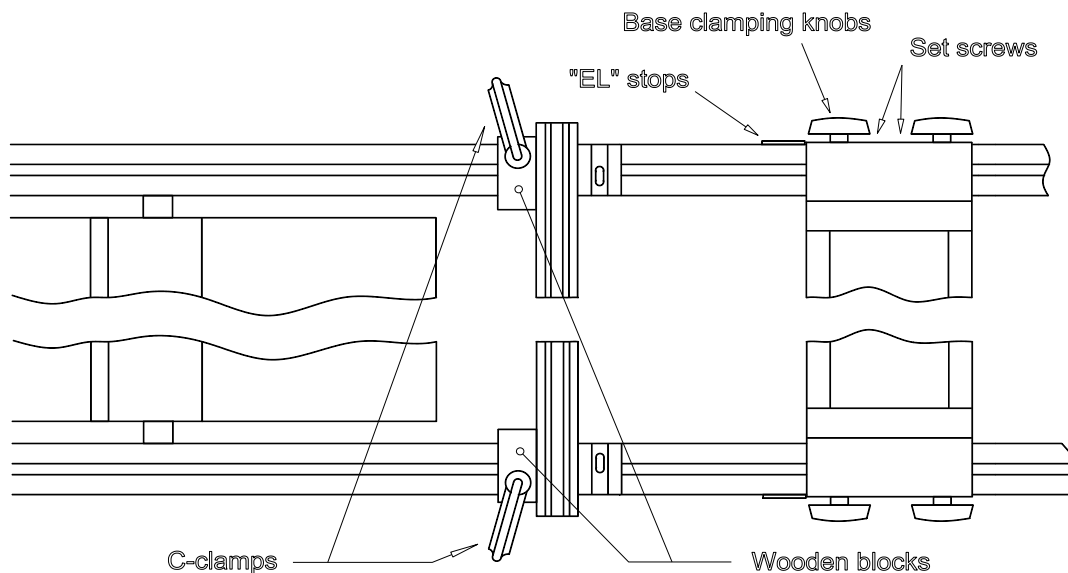
# INCRA TS-LS & Ultra TS-III

## Extended Capacity Instructions

Installing your new fence system with the *TS-LS Owner's Manual* will provide 32" of right-side ripping capacity. These instructions will increase that capacity to 50-52" or more on most saws.

**Note:** Complete the entire fence system installation using the *TS-LS Owner's Manual* before setting up for extra capacity. Though the extended capacity setup is very straightforward, these instructions may be easier to follow if you have some experience using the TS-LS in its 0-32" range.

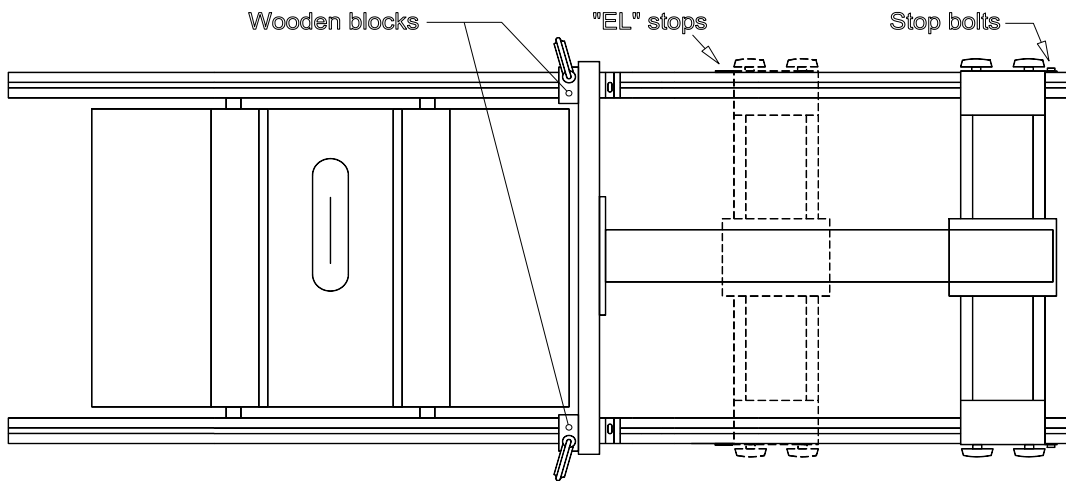
1. Slide the "floating EL" stops from Hardware Pack B-05 into the T-slots on the bottom of the main rails and tighten them against the left edges of the base clamps (see page 12 of the *TS-LS Owner's Manual*). These stops will be used to position the base at its 0-32" location on the rails.
2. If you haven't already done so, install the rail support legs 8"-16" from the ends of the rails. Set the levelers so the ends of the rails don't appear to rise or sag when sighting down the rail's length.
3. Set the fence for a 20" cut and lock the main carriage clamp. Leave the ends of the fence unlocked.
4. Clamp scrap blocks of wood onto the infeed and outfeed main rails so they rest *gently* against the face of the fence. (Fig. 1)



**Fig. 1- Scrap wood blocks clamped to rails**

5. On the large rectangular nuts that hold the base clamping knobs, loosen the small set screws with an Allen wrench so the knobs and base assembly can slide freely up and down the rails. A drop of Loc-tite on the threads of the set screws will hold them in place if you choose to leave them loose.

- Unlock the carriage and slide the base assembly toward the end of the rails. Lock the carriage when the 0" mark on the scale shows under the cursor. This moves the base exactly 20" to the right from its original position. (Fig. 2)



**Fig. 2 – Base assembly repositioned 20" to right**

- With the fence still *gently* touching both wooden blocks and everything resting naturally on the rails, tighten the base clamping knobs and tighten a set of stop bolts against the *right* edges of the base clamps. (Fig. 2)

### Setting the scales

- Find the Lexan scale that reads to 64" and cut it off at about the 53" mark, then slide the short piece into a vacant slot on the carriage. Next, slide a 48"-32" scale and 32"-16" scale into the same slot so the ends of the scales overlap.
- To calibrate the new scale, lock the carriage at 30" on the steel scale and slide the new Lexan scale so it reads 50" under the cursor. Lock the carriage at 20" on the steel scale and slide the new scale to read 40" under the cursor. Finally, lock the carriage at 6" on the steel scale and slide the new scale to read 26" under the cursor. The difference in the readings between the steel scale and this new scale *will always be exactly 20"*, making it easy to spot-check the calibration of the second scale.

When the process is complete, you should be able to loosen the base clamping knobs and slide the base assembly between the two sets of stops, enabling you to use the TS-LS in the 0" to 32" range with the base assembly against the "EL" stops and the 20" to 52" range with the base against the second stops at the ends of the rails. A light coating of paste wax or spray furniture polish (Endust or Pledge) on the rails will keep everything sliding smoothly.