

INCRA TS-LS

Metric Extended Capacity Instructions

Installing your new fence system with the TS-LS Owner's Manual will provide 810mm of right-side ripping capacity. These instructions will increase that capacity to 1320mm on most saws.

Note: When installing the longer 92" rails, the only departure from TS-LS Owner's Manual is that the right-hand end of the rails should be 1650mm from the blade instead of 45" (page 5, step 5). Complete the entire installation and set the LS positioner's steel primary scale before using these instructions to set up the system for extra capacity.

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 edges of the base clamps that are nearest the blade (see page 12 of the TS-LS Owner's Manual). These stops will be used to position the base on the rails for cuts made from 0 – 810mm wide.
2. If you haven't already done so, install the rail support legs 200 – 400mm 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 510mm from the blade using the steel scale and fully lock the red lever on the LS positioner. *Leave the ends of the fence unlocked.*
4. Clamp blocks of scrap wood onto the infeed and outfeed main rails so they rest *gently* against the face of the fence. (Fig. 1)

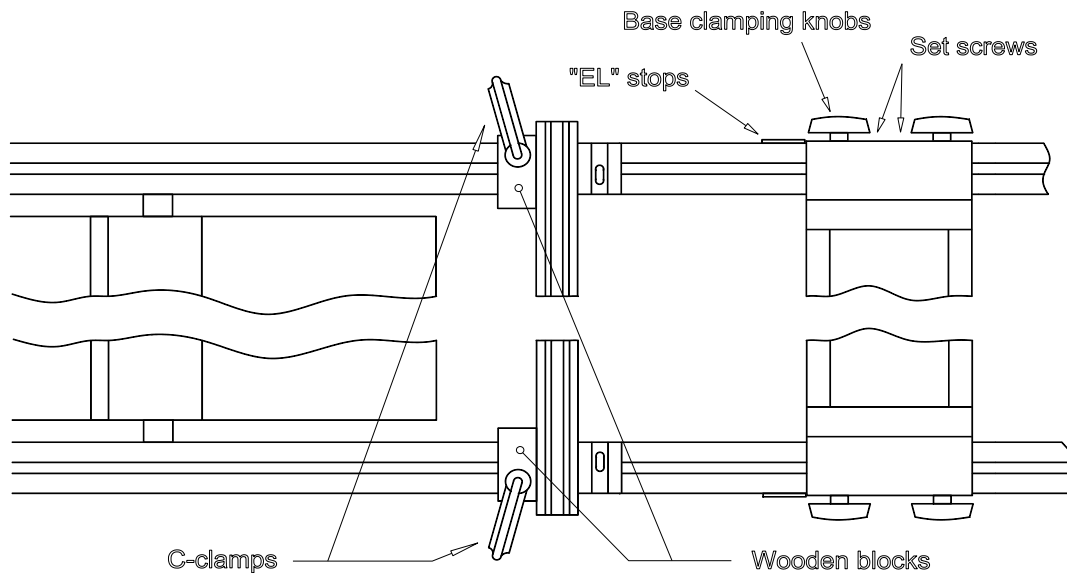


Fig. 1- Scrap wood blocks clamped to rails

5. On the dual-pilot 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 in the nuts if you choose to leave them loose.

6. Unlock the LS positioner and slide the base assembly toward the end of the rails. Fully lock the red lever when the 0mm mark on the steel scale shows under the cursor. This moves the base exactly 510mm to the right from its original position. (Fig. 2)

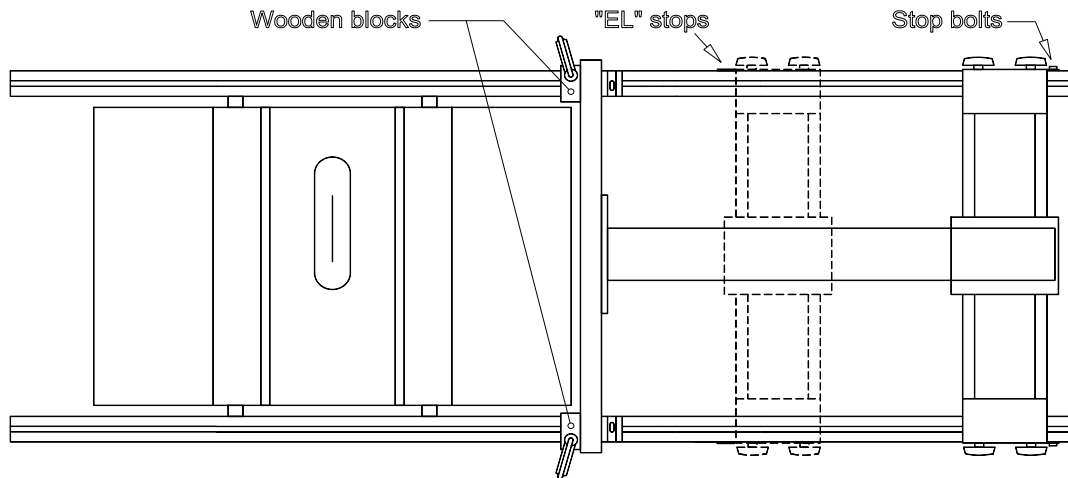


Fig. 2 – Base assembly repositioned 510mm to the right

7. With the fence still touching both wooden blocks and the base assembly resting naturally on the rails, tighten the base clamping knobs, and lastly tighten a pair of stop bolts against the edges of the base clamps that are furthest from the blade. (Fig. 2)

Setting the extended capacity scales

1. Slide the Lexan 1230 - 810mm scale and 820 - 400mm scale into an empty slot in the carriage so that the ends of the scales overlap.
2. To calibrate the new scale, unlock the carriage and slide the fence until 490mm on the steel scale shows under the hairline cursor, lock the carriage, and then slide the Lexan scale to read 1000mm under the cursor. Next, reposition the fence to 190mm on the steel scale, lock the carriage, and slide the remaining Lexan scale to read 700mm under the cursor.

At any given fence position, the difference in the readings between the steel scale and the extended capacity scale *will always be 510mm*, making it easy to spot-check the calibration of the Lexan scale.

When the setup is complete, you can loosen the base clamping knobs and slide the base assembly between the two sets of rail stops as needed, enabling you to use the TS-LS in the 0mm to 810mm range with the base assembly against the "EL" stops and the 510mm to 1320mm range with the base against the second stops near the ends of the rails. A light coating of paste wax on the rails periodically will keep everything sliding smoothly.