

# Why we switched to DeStaCo Clamps



- The linear clamps are really important to provide stability when the saw is parked and used.
- After using a low cost (e.g. low quality) copy cat clamp we found numerous problems with the 400 lb. rated clamp. The front left clamp started to bend and thus became very difficult to lower due to the clamp's deformation. So, on April 9/2009 DeStaCo delivered 4 of their model 603 clamps, rated at 600 lbs. load carrying capacity for each one. We installed them the same day and were delighted with the improvement in performance, appearance and smooth action.
- The copy cat clamp's 400 lb. rating was clearly an overstatement of their real rating!
- The new DeStaCo clamps have made an enormous difference.
- The EKHO Mobile Workshop is now easily raised by the full 1.25" travel of the clamps. Some of the noticeable improvements over the cheaper linear clamps:
  - No deflection or deformation of these more rugged DeStaCo clamps with the heavy loads the EKHO Mobile Workshop puts on them each day.
  - Folding back over center gets the clamps out of the way during times they are not in the down position and the Mobile Workshop is being rolled around the shop floor. The previous clamp handles did not retract into a fully vertical position, but stuck out well back from the base rails they were attached to, making them very prone to catching as the unit is rolled around.
  - They stay in the up position securely unlike the previous cheaper model where one of the clamps always fell back and dragged on the floor.
  - No bending of the body like the previous model where one of the 4 clamps had deformed so much under the load that it would not move any more. The previous clamps were rated in their catalogue as 400 lbs., but seemed to deform badly under less than that.
- The DeStaCo clamps are a true piece of Mechanical Engineering Art! They work well and look great like any quality product should. However they do cost a LOT more than the copy cats.
- The DeStaCo clamps have a 23:1 mechanical advantage on lifting and 35:1 on lowering the saw. This means that a 230 lb. load feels like 10 lbs. on the DeStaco handle when pushing the handle down. The same 230 lb. load will feel like only 6.6 lbs. on lowering!! The force required to raise the saw is easily handled by pushing with the hand or foot. The much smaller force required to lower the saw is a great advantage because you are not surprised by a sudden jerk to lower the whole assembly, but a smooth, easy and safe action that eliminates any shock or jerk to the saw or user. Since your mind is expecting 10 lbs. from raising the saw, the smaller 6.6 lb. force will surely not catch you off guard on lowering!!



Badly deformed copy cat on the left, more rugged DeStaco 603 on the right.

Mechanical Engineer's Work of Art!! Works really well! Quality is so sweet!

DeStaCo 603 folds up securely out of the way unlike the copy cats that dragged on the floor and protruded to the front.