


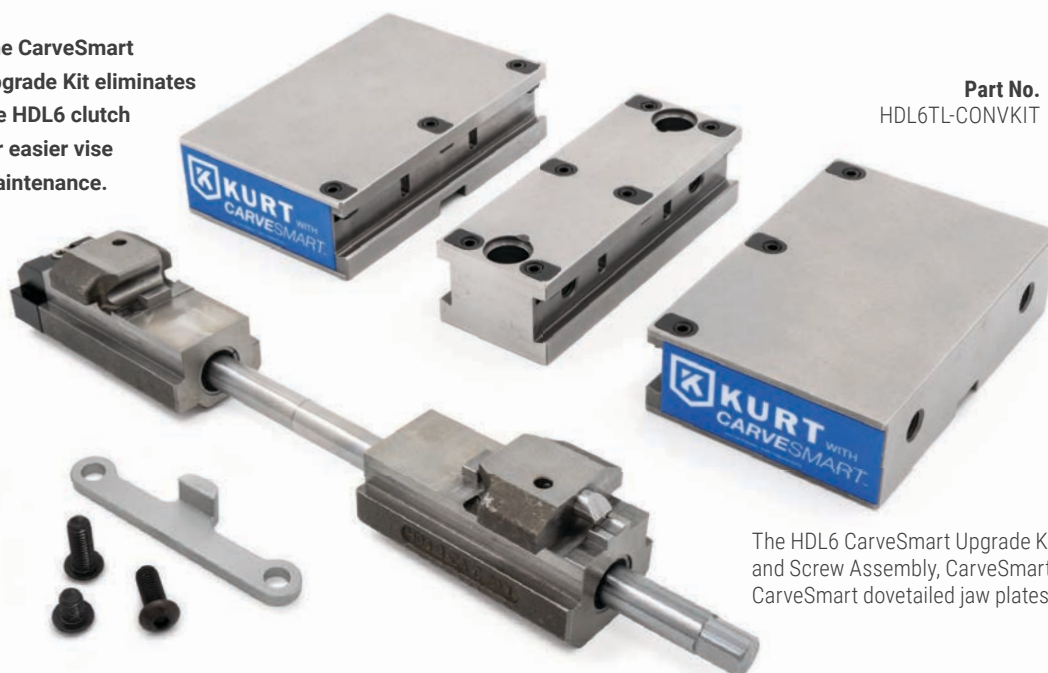
Kurt HDL6 to CarveSmart Upgrade Kit

New HDL6 upgrade kit brings CarveSmart Jaws to HDL6 vises for more flexibility, faster part changeovers and a world of dovetailed jaw options.

The new HDL6 CarveSmart Upgrade Kit replaces an HDL6 vise internals and jaws with a TL6-3-SA screw and nut assembly and CarveSmart quick-change dovetailed jaws. Fast vise tear down and cleaning along with quick, accurate, setups, changeovers and jaw swaps are just an upgrade away.

In addition to the CarveSmart stationary and movable jaws, the kit brings several Kurt TriLock Vise features to an HDL6, including quick double-station to small-single station vise conversions. Reverse compatible: old, previously customized bolt-on soft jaw plates or standard 6-inch steel hard jaws can still be used by rotating the CarveSmart movable jaws 180° and using the tapped holes. 

The CarveSmart Upgrade Kit eliminates the HDL6 clutch for easier vise maintenance.



Part No.
HDL6TL-CONVKIT

THE CARVESMART ADVANTAGE

- » **Fast Jaw Changes:**
CARVESMART dovetailed jaws can be changed in 10 seconds.
- » **No More Cap Screws:**
Quick-change CARVESMART dovetailed jaws replace time-consuming cap screwed jaws.
- » **Better Clearance:** Narrow CARVESMART dovetailed jaws can hold more with less material without dodging cap screws.
- » **Machinable Options:**
CARVESMART aluminum jaws and 1018 steel jaws are machinable—saving shops a lot of money in machine downtime.
- » **Multiple Jaw Profiles:** Extruded aluminum jaw stock—available in 5 profiles including precut lengths & bulk sizes as long as 94" for custom-length jaws. 1018 steel jaws and jaw stock—available in 2 profiles & multiple precut lengths and bulk sizing.

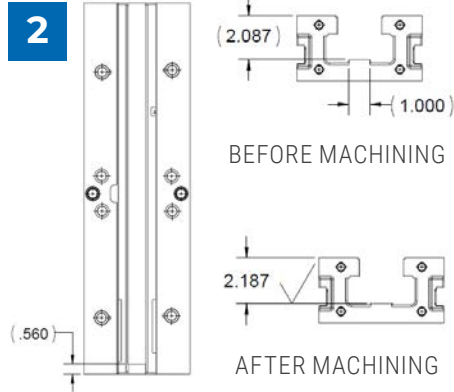
The HDL6 CarveSmart Upgrade Kit includes the TL6-3-SA Nut and Screw Assembly, CarveSmart Jaws and screw stop kit. CarveSmart dovetailed jaw plates are sold separately.

INSTALLATION

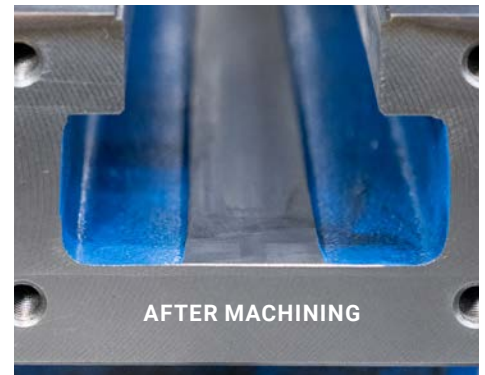
In order to fit the TL6-3-SA nut and screw assembly in HDL6-style vise body, it's necessary to machine the nut stop off of the inside of the body. Follow the steps below to machine the body then install the new nut and screw assembly and jaws.



Remove Jaws and Nut and Screw: Strip down the HDL6 by removing jaws and nut and screw assembly from the vise. Clean the vise body.



Machine off nut stop: Refer to dimensions. The New machined surface **must match** the original with a minimal step between them.



Rotate the vise: Clean up the vise after removing the nut stop and rotate the vise 180° so the four tapped holes are facing the operator.



Install new nut and screw: clean the vise body, lubricate contact surfaces, and insert the new TL6-3-SA nut and screw assembly.



Install nut and screw assembly stop: rotate the vise 180° and install short shoulder screw in the tapped center hole as shown above.



Install nut and screw retainer stop: rotate the vise 180° and install the retainer bracket using the long screws in the bottom holes as shown.



Install CarveSmart Jaws: use original shoulder bolts to install stationary jaw, snap movable jaws on to each nut.



PRO TIP: If you still need to use non-CarveSmart Kurt jaws, just rotate the movable jaw 180° and use standard cap screws. Cap screws can also be used on the center stationary if necessary.



Any questions? Contact Kurt sales or customer service at: [Contact Us](#) | workholding@kurt.com | 877.226.7823