

## Kurt DXH Vises with hydraulic actuation are now available

*Kurt Workholding is rolling out three new DXH Hydraulic vises to bring automated workflows to a broader range of shops and applications.*

The DX Hydraulic Vise lineup now offers affordable turn-key automation for consistent clamping and finished parts. Hydraulic vises can be paired with a Kurt Pneumatic/Hydraulic pump in configurations ranging from single-action semi-automated setups for operator part loading to elaborate fully-automated setups with double action and multiple-vise capabilities controlled by a robot, MTC or PLC.

### DXH Hydraulic Vise Features

- » Automatic actuation with a Kurt pump system.
- » New body design with cast stationary jaw for more stability and less deflection.
- » Same dimensions as DX-Series vise lineup for easy integration into existing workflow.
- » Hydraulic screw kit available as an upgrade for newer DX vise models.
- » 3 sizes: 4-, 6- and 8-inch jaw widths with up to 10 inches of opening.

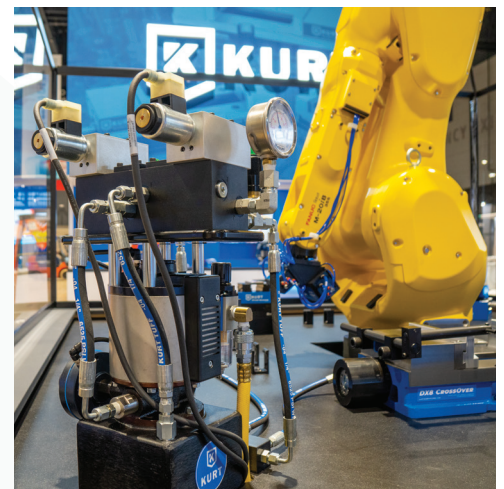
### DX Body Design

The premium, one-piece body design—now standard on all our general-purpose vises—was designed using Finite Element Analysis and has 30% Less horizontal (push back) deflection than previous DX models. Vises are available in three sizes: DX4H, DX6H and DX8H and reverse models.

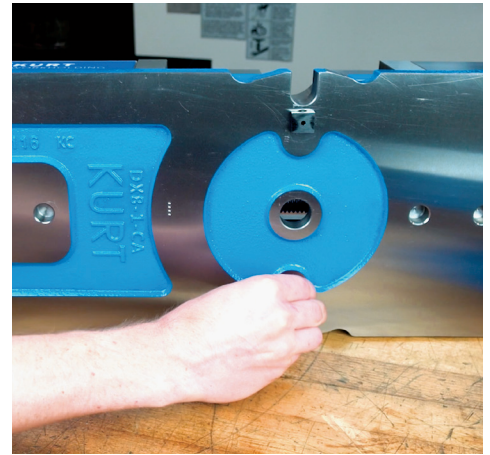
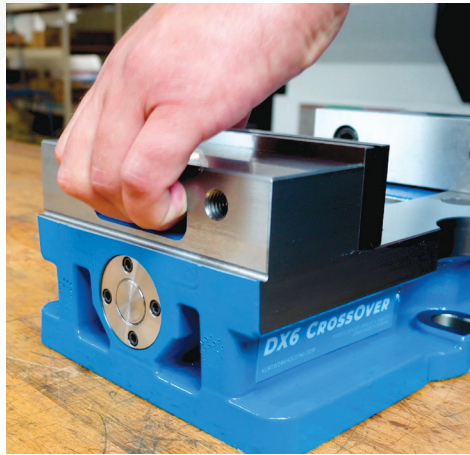
DXH Hydraulic Vises have the same bed height and keyway to the stationary jaw face as their DX-Series counterparts along with internal improvements over older DX models including a redesigned nut, new brush seal design and a new bearing pack.



Kurt KHP3 Pneumatic/  
Hydraulic Pump



A Kurt KHP3 Pneumatic/Hydraulic Pump in a fully-automated configuration actuates multiple vises in a robotic demo cell.



(Above: left to right)

Fixed-jaw design reduces pushback deflection by up to 30%.

Lift handle is machined into the back of the fixed jaw.


All DX vises use sine keys for table alignment.

(Below)

A DX6H Hydraulic vise configured with a Kurt KHP3H pneumatic/hydraulic pump using a hand switch in a semi-automated setup for manual control. KHP3 pumps are also available with a foot switch or a toggle switch and can be fully automated with additional parts.

The entire DX, DXA and DXH lineup features the proprietary Kurt AngLock® spherical segment to create all-directional alignment, reduced jaw lift and improved performance. All DX Crossover vises use sine keys for easy, accurate mounting and feature Kurt's Lifetime Ironclad Warranty.

### Automate a DXH Hydraulic Vise with a Kurt Pump

Kurt offers a lineup of pneumatic/hydraulic pumps to actuate our DXH Hydraulic vises. Pumps and vises can be configured in a semi-automated workspace where an operator controls actuation with a hand lever, foot switch or toggle. A fully automated setup can be configured for actuation using a machine tool controller, PLC or a robot with the addition of solenoids, switches and a manifold. Kurt pumps can be set up to be single acting to close with hydraulic pressure and open via spring or double acting to open and close with hydraulic pressure. We recommend only using a double acting setup for fully automated setups. A single Kurt pump system can work with one vise or a multi-vise setup. 

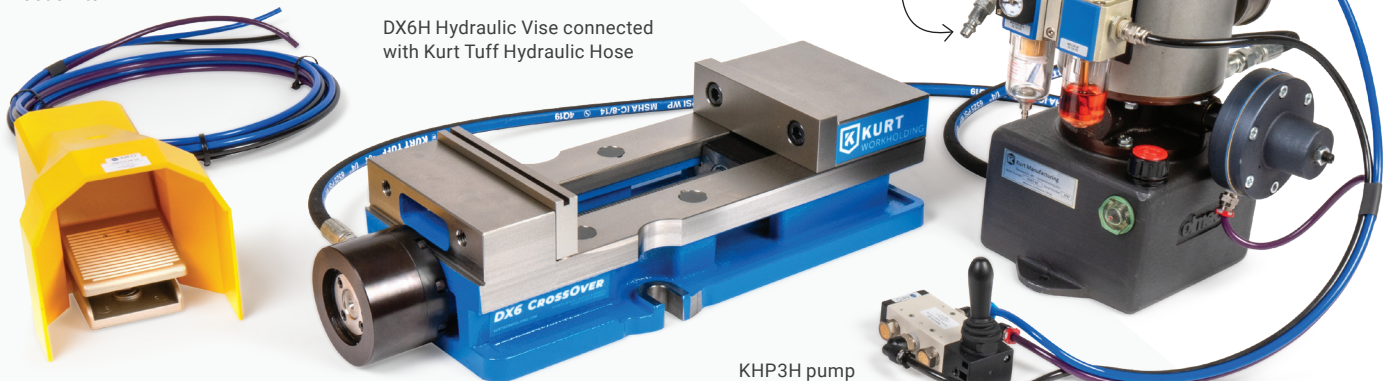
Kurt KHP3F units use a foot switch

### Single-Acting Automation Setup

DX6H Hydraulic Vise connected with Kurt Tuff Hydraulic Hose

Shop air connection

KHP3H pump with hand switch



Learn more about the DXH Hydraulic Vise and pump lineup at: [kurtworkholding.com](http://kurtworkholding.com)



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