

## Vise Has Full 9-Inch Jaw Opening

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Kurt's new HDM690 vise is the ideal vise for precision clamping very large parts for tool and die and production CNC applications. Featuring a full 9-inch jaw opening, this vise clamps larger parts with repeatable 0.0007 in. accuracy and minimal stationary jaw deflection. Designed with a rigid stationary jaw, the vise features top-down bolting and a tall body design to reduce deflection.

High precision roller bearings and a specially hardened vise screw mechanism enhances precision clamping and smooth operation. The design distributes up to 6,000 lbs. of clamping force evenly and precisely across the full jaw surface. Kurt's AngLock spherical segment in the moveable jaw (originated and patented by Kurt) further reduces jaw lift. The pull-type body design stabilizes stress in the vise body, resulting in more accurate clamping of all types of parts.

Adding to overall vise rigidity while absorbing machining vibration, Kurt HDM690 vises have 80,000-PSI ductile iron bodies with precision machined components. Together, these features combine for many years of trouble-free, precise clamping backed by Kurt's exclusive Lifetime Ironclad Warranty.

Setup features of this vise include stationary jaw bolts down from top. No need to remove from table to disassemble vise. Bolting the stationary from the top reduces the stress in the body and will stay flatter after assembly. Narrower vise body width allows for more vises in the work envelope. Bolts and locates directly on standard grid plates: 40 mm, 50 mm, and 2 in. Has quick-change movable jaw. This HD movable jaw vise platform allows for quick-change jaw capability without wrenching screws. Plus the optional jaws provide carvability to hold flat or odd-shaped parts.

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