

Floating Clamps

This is no ordinary clamp.

Floating Clamps are position-flexible clamping devices. The top jaw and bottom jaw together provide a floating clamping point that adjusts to the workpiece before locking, to prevent deformation.

These combination clamp/supports are often used in conjunction with primary locators and clamps, providing additional support points to reduce machining vibration. Floating Clamps are especially useful for clamping forgings, ribbed or flanged castings, and other larger parts.

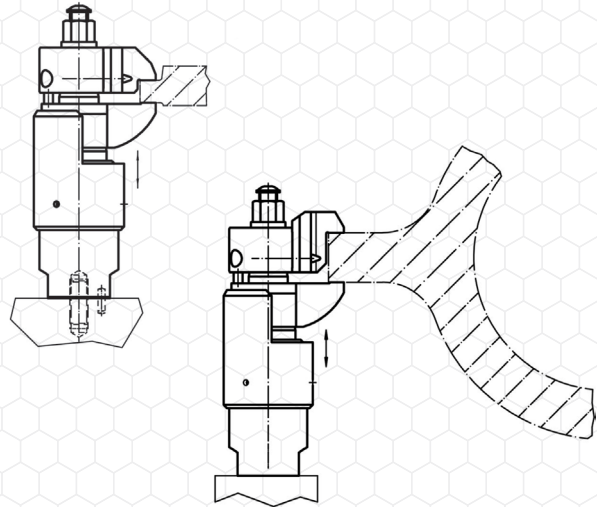


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Clamping

To initiate clamping, push the Floating Clamp downward, then immediately swing the jaws into clamping position. The clamping jaws will automatically rise so that the bottom jaw contacts the workpiece with a light spring force.

Next, tighten the top hex nut 11 ft-lbs minimum to 22 ft-lbs maximum, depending on the support load capacity desired. During the tightening process, the workpiece is clamped and simultaneously supported.



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