

WORKHOLDING EVOLVED

EFFICIENT WORKHOLDING → MORE PARTS → HIGHER PROFITABILITY

DOVETAIL FIXTURES AND CUTTERS

WHY DOVETAIL?

Part Stability.

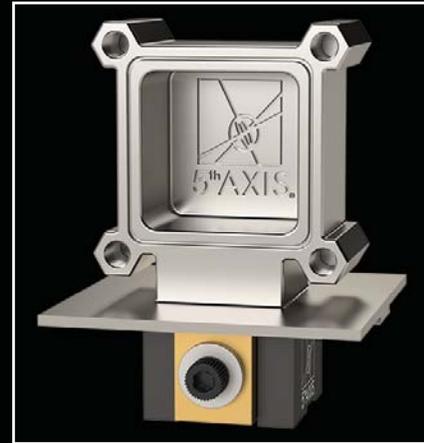
High Repeatability.

Full Access.

Mechanically Locked.

Dovetails provide equal in and down force, meaning your parts are held more stable than any other workholding method. Minimal torque is required. The dovetail is one of the oldest and strongest joints known to man kind. If you need compact workholding with high repeatability and the ultimate precision, then you need a dovetail fixture.

All 5th Axis products utilize a 45 degree dovetail angle.



Locating / Stop Pin for Accuracy.

A precision locating pin ensures the stock is centered in the fixture while ensuring the stock cannot be forced out of the fixture during machining. The locating pin also provides high repeatability for in process inspection / movement from machine to machine.



EXCLUSIVE PRICING AVAILABLE FOR WESTERN CANADIAN CUSTOMERS!

Contact your 5th Axis Workholding representative for Western Canada today!

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Fast, Simple Prep Operation.

Dovetailing a part is a quick, simple machining operation that prepares your stock for our dovetail fixtures / vises. A small time investment on the front ends equals unmatched holding power– and unmatched precision– for the rest of your manufacturing process.



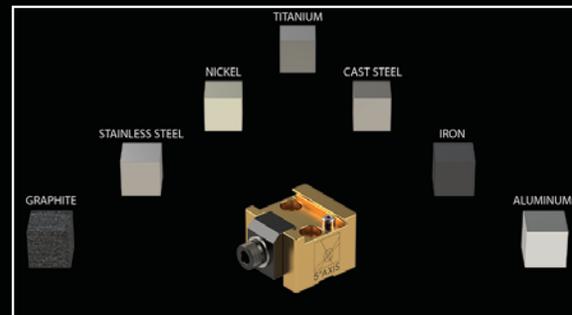
Efficient Material Use

Dovetailing reduces the amount of material you need to purchase via traditional clamping methods. Not only do you waste less of your stock, but dovetailing also reduces part deformation due to excessive torque; dovetails spread clamping force more evenly through the part and use downforce instead of lateral pressure.



Hold Any Material.

5th Axis Dovetails can hold the majority of materials on the market today, everything from fragile graphite to ultra-hard high temp alloys.



Proprietary Indexable 45/60 degree Dovetail Cutters and inserts from Ingersoll Cutting Tools also available!

Built By Machinists

Seasoned machinists and engineers have contributed their expertise to create the highest quality workholding. We only design products we ourselves would use, and we use what we build.

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