



User Guide: Propeller Pusher - Puller

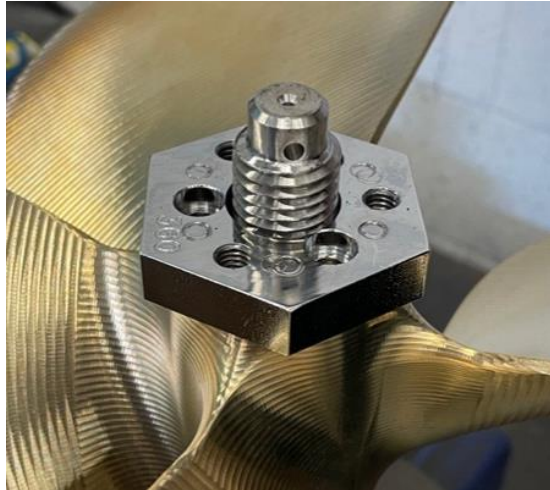


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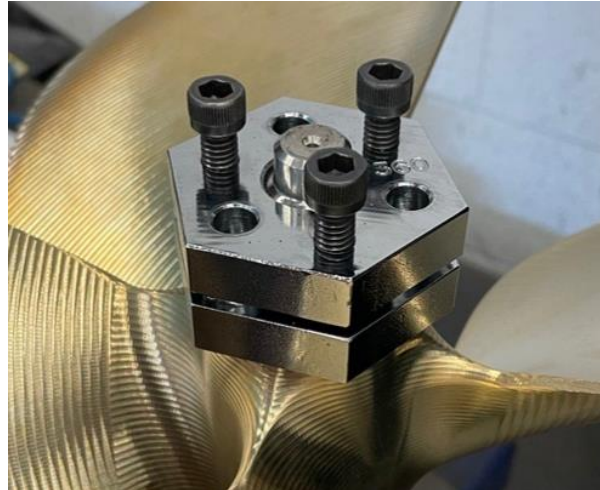


Prop Installation – Push Function



1) Place lower plate on back of hub

- This protects the hub of the prop.
- Thread in smaller hex bolts to hub for alignment if needed.



2) Thread top plate onto shaft, align plate corners with lower, leave 1/16" to 1/8" gap to bottom plate.

- Thread larger hex bolts through top plate tapped holes.
- Make even bolt contact to lower plate.

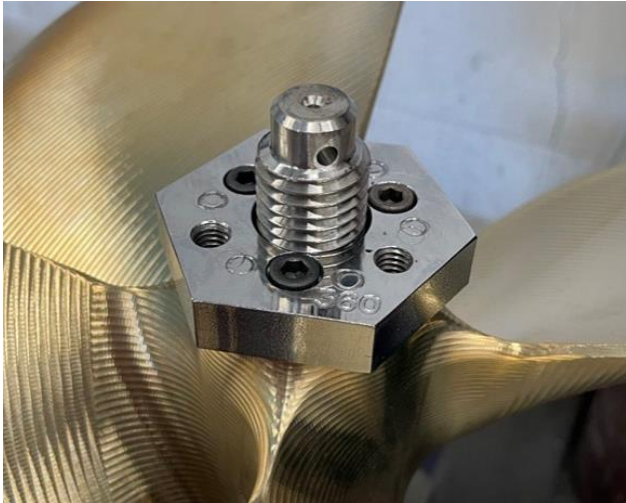


3) Tighten all hex bolts to 20 ft-lbs of torque.

- Remove hardware.
- Tighten prop lock-nut to 100 ft-lbs.



Prop Removal – Pull Function

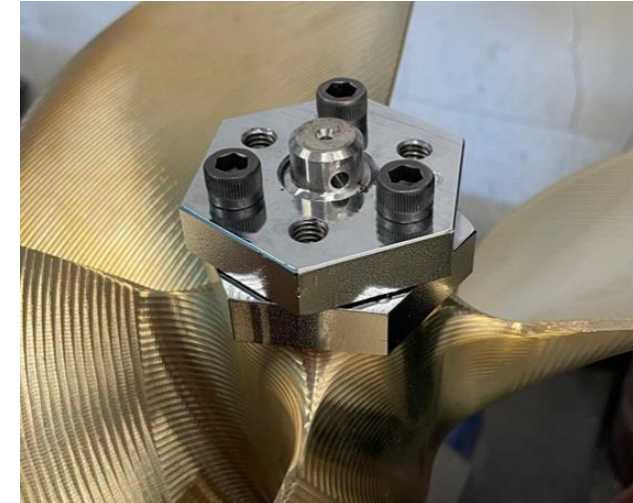


1) Place lower plate on back of hub and thread/tighten hex bolts to tapped holes of hub



2) Thread top plate onto shaft, offset plate corners with lower, leave 1/16" to 1/8" gap to bottom plate.

- Place large hex bolts in through holes of top plate.
- Align to lower plate threaded holes



3) Tighten large hex bolts until propeller begins to remove itself from shaft.

- May require torque up to, or greater than 50 ft-lbs



Recommendations

- Lightly grease the threads of the hex bolts regularly and store in dry space to reduce wear and prevent rusting.
- Evenly tighten/loosen bolts during push/pull operation to prevent uneven wear on shaft/propeller taper.
- When removing propeller, key / keyway may slightly bind after puller has freed prop from shaft.
 - Tapping front side of hub will free up bind. Keep prop-nut on threads to catch prop during this operation