

APC Quick Release Hub
Instructions
Rev. 1
Pat. No. 10,689,103

www.apcprop.com

The APC QR-HUB allows for quick removal and replacement of propeller blades without the use of tools. The blades are also free to pivot, allowing for more compact packaging.

Installation:

The QR-HUB is designed to attach directly to the motor housing using two (2) 3mm screws with 12mm spacing. The center hole is used to center the hub on a 4mm motor shaft (or shaft extension). The center hole can also be used to attached the hub to the motor. If a larger center hole is needed, use a reamer to enlarge the center hole.

The arrows on the hub indicate motor rotation. Each hub can be flipped to operate in either CW or CCW directions.

Both hub halves are used to secure the propeller blades. The blades must be installed with the leading edge oriented towards the direction of rotation.

Slide each blade completely into the slot and make sure the blade is free to pivot. The blade should be at an angle relative to the hub during installation. The slot has a restriction at the opening. As a result, a small amount of force will be needed to snap the blade in place.

Once the blades are free to pivot, they cannot fall out of the slot.

Blades should be matched with like blades. i.e. Blades with 'A' stamped on the lower surface should only be used with other 'A' blades.

Removal:

Slide each blade out of the slot. The blade should be at an angle relative to the hub for correct removal. The slot has a restriction at the opening. As a result, a small amount of force will be needed to force the blade out of the slot.

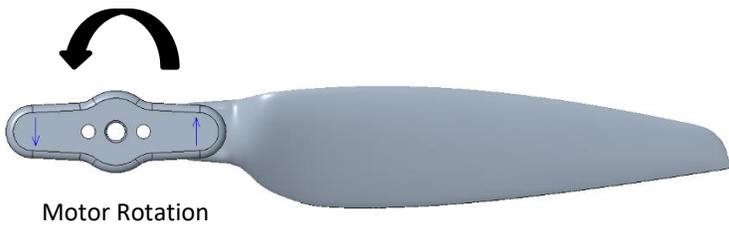
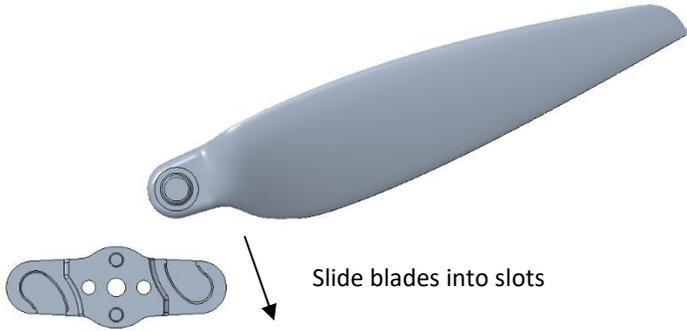
Warnings:

Do not operate motor with damaged or unmatched blades. Injury may result.

Do not operate motor with damaged hubs. Injury may result.

Do not operate motor if blades are not free to pivot.

Not recommended for systems with active rotor braking. Blades may separate from hub and cause injury.



Both hub halves secure the blades