

Minimax Tugs

By now you know that the club has purchased tugs for the 172, Archer, and Arrow, and that the new tugs are assembled and in the hangars.

Arrow and 172 DeWalt 20-Volt battery operated drills

- The torque settings should not be changed.
 - The drill symbol is aligned with an arrow on the drill body.
- The speed is set at **1** and should remain at that setting.
- When you are done with your flight, the battery should be removed from the drill and placed in the battery charger.

Archer DeWalt 60-Volt Drill

- There are no torque or speed settings on this drill.
- The charger for this drill is slightly different than the other chargers and the 60-Volt battery should not be placed in other chargers.

Speedy Movers

- Each tug has a set of small wheels that are not driven.
- Tip the tug back onto these wheels to quickly move the tug into position.



- You can jog the tug to align the grippers with short taps on the trigger.
- When the tug is attached to the plane press down on the handle and gently pull the trigger
 - A little downward pressure helps maintain traction.
 - Start Slowly
 - Once the plane is moving, you can depress the trigger further to move faster.

Turning

- You can lift the tug slightly off the ground to turn the nosewheel.

172 Attachment

- **Take care to avoid contact with the lower cowl.**
- Carefully position the grips over the stems on either side of the nose gear above the nosewheel
- Pull the handle down.
 - You will feel the handle “latch” in place.

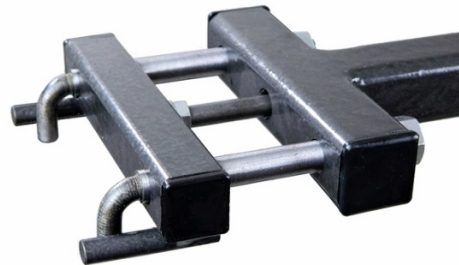
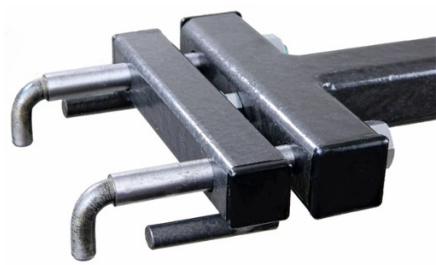


Arrow Attachment

- The Arrow forks attach to the hub of the nosewheel.
- Carefully position the grips on either side of the nosewheel.
- Pull the handle down to lock on either side of the hub being careful to seat the grips **inside** the hub.
- You will feel the fork “latch” in place.



Archer Tug



Archer Grip Open

Archer Grip Closed

- The grip on the archer fits through two pins above the wheel fairing.
- Make sure that the grip is in the open position and position the vertical pins in the holes.
- Push the latch shaft forward to lock the pins in place and tighten the red knob.
- Apply downward pressure on the drill and grip and slowly start the tug.

