

Drill / Impact Driver Notes



- **When driving screws,** Hold the drill firmly and apply _____ of straight and steady pressure.
- **When drilling,** _____ the feed pressure as the drill cuts through the work.
- **Screw won't tighten!** If a screw spins freely in its hole, it means you _____ it cut into your wood. Move the screw and don't tighten it so tight!
- **Firmly clamp** or _____ all work before using the drill. Don't drill into a bench top!
- **Use the right tip!** _____, _____, _____, _____.....
- **Dead battery?** When a cordless drill battery runs down, replace it with a charged one and make sure to _____ the used one.

Impact Driver

An **impact driver** is a **power tool** designed to deliver high torque output with minimal exertion by the user, by storing energy in a rotating mass, then delivering it suddenly to the output shaft.

In operation, a rotating mass (the hammer) is accelerated by the motor, storing energy, then suddenly connected to the output shaft (the anvil), creating a high-torque impact. The hammer mechanism is designed such that after delivering the impact, the hammer is again allowed to spin freely, and does not stay locked. With this design, the only reaction force applied to the body of the tool is the motor accelerating the hammer, and thus the operator feels very little torque, even though a very high peak torque is delivered to the socket.

