

Drill Press Safety Rules

- Run drill at correct RPM for material, and drill bit size. General rule is the harder the material or the bigger the drill bit size, the slower the RPM.
- Always hold work in a vise or clamp to the drill table.
- Use the proper cutting fluid for the material being drilled. Ask the shop personnel about the appropriate fluid for the material you are machining.
- Remove chips with a brush, never by hand.
- Ease up on drilling pressure as the drill starts to break through the bottom of the material.
- Don't drill with too much pressure.
- Always try to support part on parallels or a backing board when drilling through material.
- Always clean drill shank, sleeve and spindle hole before mounting bit.
- Never try to loosen the drill chuck while the power is on.
- Never clean the machine while it is still in motion.
- If the drill binds in a hole, stop the machine and turn the spindle backwards by hand to release the bit.
- When drilling a deep hole, withdraw the bit frequently to clear chips.
- Always remove the drill chuck key from the spindle immediately after using.
- Wear safety eye protection while drilling.
- Let the spindle stop of its own accord after turning the power off. Never try to stop the spindle with your hand.
- Plexiglas and other brittle plastics can be difficult to drill. Ask the shop personnel for advice on drill and coolant selection when drilling these materials.
- DO NOT wear gloves when operating drill press

Modified from document produced by Paul Tompkins