



087: Tools–Power Tool Safety

General rules for use

The minimum PPE is a pair of safety glasses. Hearing protection is usually warranted.

Do not wear loose clothing around rotating equipment, including power tools. This includes work gloves—use the proper type. Ask your foreman if you are unsure.

If you have long hair, wear it put up in a hairnet, ponytail, or other restraint to keep it from getting caught in the rotating parts.

Use the correct attachments and any guards that go with them.

Do not use a dull drill bit or a rounded screwdriver bit.

Inspect the tool before use.

Don't carry tools up and down ladders. Raise and lower them in buckets or other devices, or have someone hand them to you.

Drilling

Mark your hole and set up the job so you can drill as straight as possible.

Don't hold a drill by the vents. An arc can burn your hands.

Use the handle that attaches to the side of the drill to reduce the chance of wrist injury as you break through the hole or if you have other high-torque demands.

Use a sharp drill bit that is appropriate for the material you are drilling.

Avoid turndown shanks. Using such shanks often causes you to exceed the capacity of the tool.

Use cutting fluid if appropriate.

Do not use a wood bit on a pre-existing hole. Doing so will bind the bit, and the twisting of the drill can injure—or even break—your wrist. It could also snap the bit and throw it in your face.

Make sure you are on good footing so you don't slip.

Use the right hole saw for the material, preferably one with a starter drill to reduce slippage. See the manual if in doubt.

If drilling masonry, use a masonry bit and a masonry drill or other tools made for that purpose. Do not use these tools for non-masonry holes.

Deburr any hole after making it.

Corded tools

Use corded tools with a GFCI, unless you have an assured grounding program. If you do have such a program, using a GFCI adds even more protection.

Avoid tripping hazards when laying out portable cords. Inspect portable cords before use. Never wrap a power cord or portable around your wrist, leg, or other body part. Keep cords out of water. Use industrial cords.

Match the capacity of the tool to the job.

Discussion leader duties for this session:

Obtain a manual for one of your power tools and read it.

What this Safety Talk covers:

Avoiding injury from misuse of power tools.

Discussion notes :

