

Safety Instructions and Job Hazard Analysis: Portable Circular Saw

Job/Task Step	Hazard	Hazard Control Method/PPE
Inspect Equipment/PPE Check/Buddy System	N/A	<ul style="list-style-type: none"> • Don all required PPE for use of the Circular Saw. Approved Safety Glasses with side shields, Long Pants, and Closed Toe Shoes. • Consider Ear Plugs for noise reduction. • Additional foot protection is needed when working with heavy parts and pieces. • Tuck in shirt, no loose fitting clothing or jewelry. • Long hair must be pulled back or tucked into a hat. • Ensure power cord isn’t frayed and is in good condition • Ensure guard is working properly. The guard should cover the blade at all times. Once the saw is used to make the cut, the guard will continue to cover the exposed part of the blade but will allow room for the cut. • Work with the supervisor of the space to review operation and ensure all risks have been addressed.
Prepare material for cutting	Abrasions/Lacerations, Pinch Points, Muscle Strains, Falling Objects	<ul style="list-style-type: none"> • Be aware of hand and body placement when handling material to prevent hand injury and pinch points. • If the material being cut has splinters, wear gloves. • Use proper lifting techniques when lifting material. • Ask for help if material is too heavy or awkward. • Wear closed toe shoes and long pants to prevent injury should the material be dropped or fall. Toe guards are required when using heavy material.

		<ul style="list-style-type: none"> Secure the material with clamps or ask for help in securing it.
Check blade depth	Abrasions/Lacerations	<ul style="list-style-type: none"> Check blade depth and adjust accordingly.
Make the cut	Abrasions/Lacerations, Noise Hazards, Flying/Falling Objects, Muscle Strains, Slip/Trip/Fall	<ul style="list-style-type: none"> Make sure the saw is lying level prior to start up to prevent kick back. Be aware of hand and body placement to prevent injury and pinch point hazards. Wear gloves if the material has splinters. Be aware of the location of the cord to prevent electrical hazards. Saw will produce high noise. Consider ear plugs to reduce noise. To prevent from eye injury, wear safety due to flying debris. Do not stretch to make the cut. This can cause a kick back of the saw. Wear closed toe shoes and long pants to prevent injury from falling object injuries. Ensure the area where the cut is being made is clear of obstructions to prevent slip/trip/fall hazards.
Turn off the saw	Abrasions/Lacerations	<ul style="list-style-type: none"> The blade will not stop immediately. Ensure the guard is back in place over the blade prior to putting it down.
Remove cut material	Abrasions/Lacerations, Pinch Points, Muscle Strains, Falling Objects	<ul style="list-style-type: none"> Be aware of hand and body placement when handling material to prevent hand injury and pinch points. Wear gloves if the material has splinters. Use proper lifting techniques when removing material. Ask for help if material is too heavy or awkward. Wear closed toe shoes and long pants to prevent injury should the material be dropped or fall.
Clean the area	Abrasions/Lacerations, Flying Objects, Muscle Strains	<ul style="list-style-type: none"> Consider wearing gloves while handling debris and drop off from the cut.

		<ul style="list-style-type: none">• Wear safety glasses while sweeping the area of debris to prevent eye injury.• Use proper lifting technique when lifting trash and debris from the cutting site.
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In case of malfunction: If the tool does not perform as anticipated, or makes an unfamiliar sound, or creates any safety concerns: IMMEDIATELY notify a Maker Ninja and ask them to Lockout and Tag out the tool until a follow-up inspection can be completed.

