



Skokie 847-677-2010
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Glenview 847-657-9020

Wheeling

Miter Saw

IMPORTANT: For your own safety read instruction manual before operating Miter Saw

1. **KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tools applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
10. **WEAR PROPER APPAREL.** Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing; when changing accessories such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
22. When servicing use only identical replacement parts.

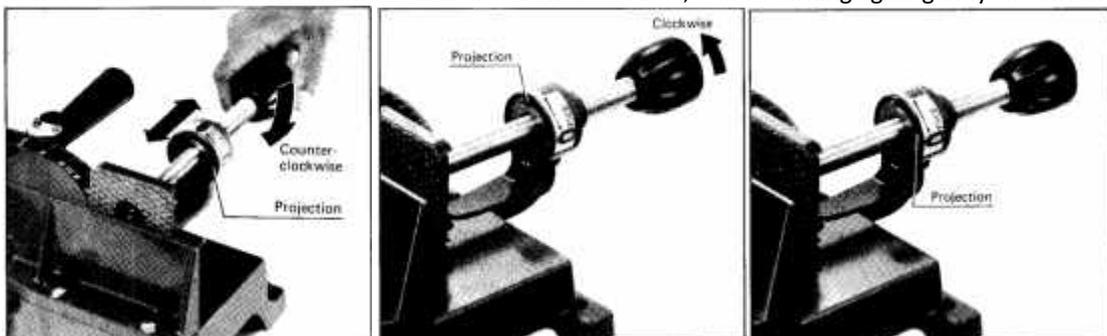
VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the name plate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user - as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES :

1. Wear eye protection.
2. Do not operate saw without guards in place.
3. Don't use the tool in the presence of flammable liquids or gases.
4. Check the blade carefully for cracks or damage before operation. Replace cracked or damaged blade immediately.
5. Use only flanges specified for this tool.
6. Be careful not to damage the arbor, flanges (especially the installing surface) or bolt. Damage to these parts could result in blade breakage.
7. Make sure that the turn base is properly secured **so** it will not move during operation.
8. For your safety, remove the chips, small pieces, etc. from the table top before operation.
9. Avoid cutting nails. Inspect for and remove all nails from the work piece before operation.
10. Make sure the shaft lock is released before the switch is turned on.
11. Be sure that the blade does not contact the turn base in the lowest position.
12. Hold the handle firmly.
13. Do not perform any operation freehand.
14. Keep hands out of path of saw blade.
15. Never reach around saw blade.
16. Make sure the blade is not contacting the workpiece before the switch is turned on.
17. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.
18. Wait until the blade attains full speed before cutting.
19. Stop operation immediately if you notice anything abnormal.
20. Do not attempt to lock the trigger in the on position.
21. Shut off power and wait for saw blade to stop before servicing or adjusting
22. Don't abuse cord. Never yank cord to disconnect it from the receptacle. Keep tool cord away from heat, oil, water and sharp edges.

Securing workpiece:

By turning the knob on the vise counterclockwise, the screw is released and the vise shaft can be moved rapidly in and out. By turning the knob clockwise, the screw remains secured. To grip workpieces, turn the knob gently clockwise, until the projection reaches its topmost position, then fasten securely. If the knob is forced in or pulled out while being turned clockwise, the projection may stop at an angle. In this case, turn the knob back counterclockwise until the screw is released, before turning again gently clockwise.



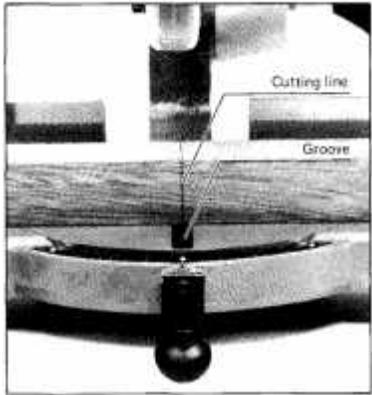
(Dangerous way to grip workpiece)

CAUTION :

Grip workpieces only when the projection is at the top most position. Otherwise the workpiece cannot be properly gripped and might pop out or damage the blade.

When making miter cuts of 30 degrees or more to the side that the vise is mounted, the safety cover movement may be slightly obstructed by the vise. If this situation occurs, re-mount the vise on the other side of the tool's base.

Operation When cutting with this tool, the thickness of the blade is cut as well. Therefore, your cutting line should be on either the left or right side of the groove in the kerf board. Switch on the tool and wait until the blade attains full speed before lowering gently into the cut. When the blade contacts the workpiece, gradually bear down on the handle to perform the cut. When the cut is completed, switch off the tool and **WAIT UNTIL THE BLADE HAS COME TO A COMPLETE STOP** before returning the blade to its fully elevated position. A thin-cut piece could otherwise contact the coasting blade and be thrown around dangerously.

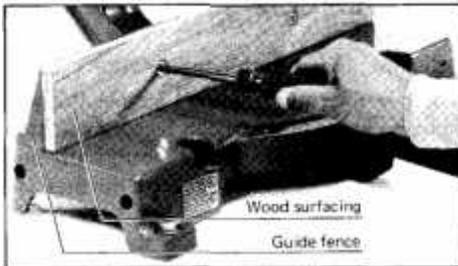


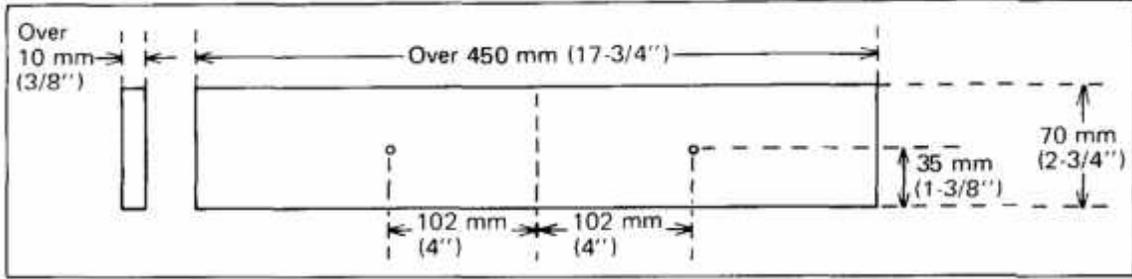
Fence plate The fence plate is designed to prevent smaller cutting scraps from jamming inside the blade case. The fence plate moves right or left automatically as the turn base is rotated.

Wood facing Use of wood facing helps to assure splinter free cuts in workpieces. Attach a wood facing to the guide fence using the holes in the guide fence.

CAUTION:

Use straight wood of even thickness as the wood facing. *See the figure below concerning the dimensions of a suggested wood facing.



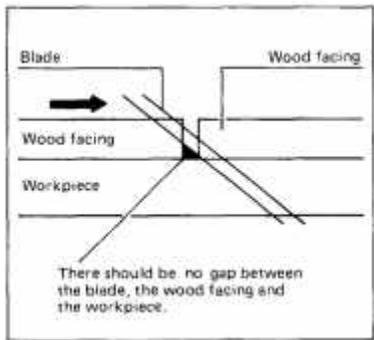


- Use screws to attach the wood facing to the guide fence. The screws should be installed so that the screw heads are below the surface of the wood facing.

After changing the miter angle, cut the wood facing at that selected angle. If there is a gap between the blade, the wood facing and the workpiece, move the wood facing slightly in the direction of the arrow and cut it again.

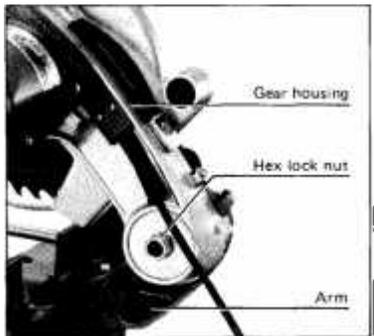
When the wood facing is attached, do not turn the turn base with the handle lowered. The wood facing will be damaged.

NOTE: When the wood facing is attached, the max. Cutting capacities in width (122 mm/4-3/4" at 0°, 90 mm/3-1/2" at 45°) will be reduced by thickness of the wood facing.



Adjusting for smooth handle action the hex lock nut holding together the gear housing and arm has been factory adjusted to assure smooth handle action up and down and to guarantee precise cutting. Do not tamper with it. Should looseness develop at the gear housing and arm connection, perform the following adjustment. Work the handle up and down while tightening the hex lock nut; the best position to tighten the hex lock nut is just before the motor body weight is obvious.

After adjusting the hex lock nut, be sure the handle returns automatically to the initial position from any position. If the hex lock nut is too loose,



the cutting accuracy will be affected; if it is too tight, it will be hard to work the handle up and down. Note that this is a self locking nut; it is a special type that does not loose in normal use. It should not be over tightened or replaced with other types of nuts.

Alignment **for** squareness this tool was carefully adjusted and aligned for squareness of cut at the factory, but

rough handling may have affected the alignment. If your tool is not aligned properly, perform the following.

- Loosen the grip and set the turn base at zero degree by turning the turn base and allowing the latch spring to seat itself in the miter notch. If the pointer on the indication plate is not at zero on the miter scale, gently tighten the grip and then loosen the screws on the indication plate. Adjust the indication plate so that the pointer will be at zero on the miter scale. Then tighten the screws on the indication plate. Tighten the grip securely and loosen the hex bolts on the guide fence. Square the side of the blade with the side of the guide fence using a triangular rule; try-square, etc. Then securely tighten the hex bolts on the guide fence.
- Installing holders and set plate The holders can be installed on either side as convenient means to hold long work- pieces or workpieces to be cut continuously into fixed lengths. Fit the set plate on the holder so that the flat side of the plate is on the inside, with the curved portion of the holder pointing up. Then slip the holder rods into the holes in the base. Tighten securely with the wing bolt.
- Cutting fixed lengths when cutting several pieces of stock to the same length, ranging between 250 - 400 mm (10" - 15-3/4"), use of the set plate will facilitate operation. Align the cutting line on your workpiece with either the left or right side of the groove in the kerf board, then move the set plate flush against the end of the workpiece and secure the set plate with the screw. When cutting 2 x 4 (1-5/8" x 3-1/2")
- Cuts of 45 degrees can be done as usual as long as the workpiece is not positioned vertically. To cut vertically positioned work- piece, insert a space block measuring 1/2" (12 mm) in thickness between the workpiece and the guide fence.

