

4 OPERATING PROCEDURE



WARNING: Read the Operating Procedure completely before operating your tile saw.



Take into account the working conditions from the health and safety point of view.



Always pay extreme care and attention to the preparation of the machine before starting.



Remove all wrenches and tools from the machine.



Always keeps blade guard in place.

- Fill the Pan (2) with enough water to fully submerge the water pump screen.
- Before connecting the power cord:
 - * Check that the Blade Shaft Nut (O) is secure and that the Blade (Q) rotates freely.

WARNING: Check that the ON/OFF switch is in the OFF position. Then connect the power cord to a properly grounded outlet of the correct voltage. See the decal near the power cord for power requirements. If needed, use the correct size three (3) conductor extension cord to avoid excessive voltage drop. Never use lamp cord type extensions. Refer to the Recommended Extension Cords, Section 7.



- Turn the switch to **ON**. The blade is to turn counter-clockwise, when looking at the blade guard side. The water pump starts automatically with the motor. Adjust the water supply with the Control Valve (K).
- Follow the blade manufacturer's recommendations for wet or dry cutting. Wet cutting blades can be damaged or destroyed without sufficient water. Only blades specifically designed for dry cutting can be used without coolant.

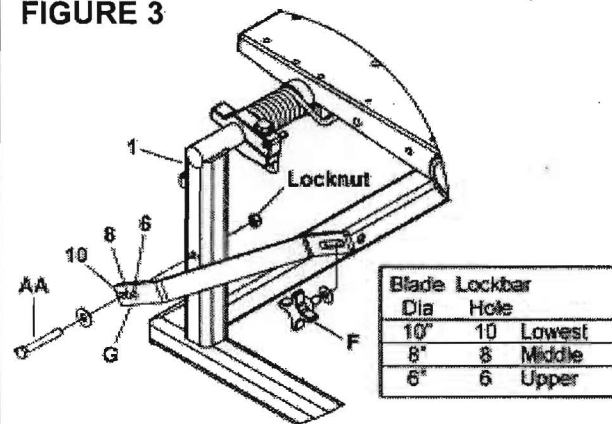


The water supply should be adequate, with water flowing on both sides of the blade. Keep the water clean and make certain the **WATER LEVER IS ALWAYS ABOVE THE PUMP INLET**. **Do not run the water pump dry!!** Unplug for dry cutting.

- For straight cuts, position the tile squarely against the back edge of the conveyor cart. Keep the cart clean and free of cuttings. The standard Rip Fence (S) is supplied for setting cutting lengths.
- Move the conveyor cart slowly and carefully until the blade is in contact with the tile. For best cutting, a new blade needs a chance to "break-in" or "wear-in" slightly. It may take several cuts to open (expose diamonds) of a new blade.

5 ADJUSTABLE LOCKBAR WITH DEPTH LINKING PROTECTION

FIGURE 3



A Lockbar (G) is used to set the blade depth during cutting. The lockbar has three (3) holes at the lower end for use with 10", 8" and 6" blades. Refer to chart in Figure 3. These are used as depth-limiting settings that, if used with the correct blade diameter, will protect the rolling cart from being cut by the blade.

The tilesaw is shipped standard set-up for a 10" diameter blade. To change the setting, locate the capscrew (AA) used as the pivot, loosen and remove the Lock Nut. Set the Lockbar (G) at the proper hole for blade size. Tighten the 5/16" fasteners so that the Lockbar (G) is snug but free to pivot. Check the setting by loosening the Knob (F) and lowering the head fully down into the table slot. The blade segment should be below the table surface, but not cutting into the table. (See also Section 10, Plunge Cutting.)

6 MANUAL THERMAL OVERLOAD

The motor is equipped with a manual overload protection reset button. If the motors overheats, the red reset button will "pop out" to open the motor circuit; stopping the motor and water pump. If this occurs, the motor ON/OFF switch must be set to OFF. After the motor cools, push in the reset button. When it stays in, the motor can be restarted.

7 RECOMMENDED EXTENSION



Good motor performance depends on proper voltage. Extension cords that are too long and/or too small in wire gauge reduce the voltage to the motor under load. Use extension cords no smaller than indicated below.

MOTOR		F.L. AMPS		50' Cord		75' Cord		100' Cord	
HP	RPM	115V	230V	115V	230V	115V	230V	115V	230V
1-1/2	1725	14.6		#12		#10		#8	
1-1/2	3450	17.2	8.6	#10	#14	#10	#14	#8	#14