Miller Tool Use and Dangers

SAFE OPERATION
“RULES TO REMEMBER”

- The miller MUST BE held with both hands, one on the body and one on the handle. (as pictured above)
- NEVER double grip around the gearbox.
- NEVER use without or remove the handle.
- NEVER remove or use without an installed guard

- ALWAYS keep a firm grip on the miller, if it does kickback or bite, you will need a firm grip to control it.
- ALWAYS use double eye protection and cut resistant gloves when using a miller tool. (Shield and Glasses)
- NEVER let go of the handle of the miller if it gets out of control. The free hand will be the one that gets injured.
- ALWAYS clamp or secure work piece. DO NOT use a foot as a clamp
- ALWAYS ensure that the miller blade has stopped spinning before putting it down.
- NEVER use a miller upside down or backhanded.
- NEVER put a miller blade on anything other that a 4.5 Inch Metabo—Angle Grinder.
- NEVER use a miller tool on materials positioned between your legs.
- NEVER use a miller in a situation where the blade can contact a surface perpendicular to the work surface, e.g. a corner. This will almost always cause a violent kickback. (Both injuries shown above were caused by this)
- ALWAYS use a stable work position. DO NOT work off of unsupported ladders, or unstable work platforms
- ALWAYS use alternative tools in awkward positions, (e.g. sabre, power saws, die grinders).
- ALWAYS check that the miller dead-man switch is operating correctly before plugging in to power supply.
- ALWAYS unplug the miller when not in use to prevent accidental operation.
- ALWAYS inspect blade for cracks or damaged teeth before using them, DO NOT use them if they have either.
- NEVER use a miller as a hammer or drop it on the floor. This can and has loosened or broken teeth.
- NEVER distract or talk to any person using a miller. Wait for them to stop and tool has stopped.
- NEVER use a miller directly above or spray shavings on other person or work towards them.
- NEVER apply pressure when using a miller. Its not necessary, let the blade do the work for you.
- NEVER cut any material that is under tension / compression, e.g. temporary stiffeners, spreaders or braces.
- NEVER cut materials that are wedged apart, the wedges may vibrate loose and the blade will be clamped.
- NEVER use millers to alter T bar cut outs on frames. (ONLY) Use a barrel miller or jig saw.
- NEVER use a miller to cut or dock materials less than 5mm thick, particularly floor sheeting. Use a power saw or band saw.
- ENSURE that the direction of the blade rotation / cut should always be towards the edge or end of material.
- ALWAYS ensure that the guard is properly tightened and is always towards the handle and operator

How Can they Hurt You?

- Kinetic energy (i.e. high speed flying particles or blade teeth) (180 km/hr.)
- Hazards, harmful contact with the cutting blade (it spins at 12000, RPM)
- Harmful contact due to mechanical energy.
- Noise created by contact with cutting surface

“ALL Injuries involving Miller Tools are caused by carelessness, improper use and complacency”

NOTE: The “safe zone” for a guard is between 1230—1530 (clock face) of the blade assuming 1200 is the very forward edge!