

# Safe use of the Universal Router Guide

Please read this before using the product. If you are unsure of the safety rules listed below contact the manufacturer for further explanation or the assessor.

1. Always wear safety glasses and ear protection when using a router.
2. Ensure the switch on the router is on off position before plugging into a power point.
3. Ensure the Universal Router jig is secured to a bench. (clamps or bolts)
4. Always use sharp router cutters. Blunt cutters give an inferior finish and the router needs extra effort by the operator.
5. When clamping material to be routed ensure the material is secure in the vices on the URG.
6. Make sure all loose clothing is tied back to prevent entanglement.
7. When cutting grooves always work left to right.
8. Always have the flex on the router away from cutter, preferably over shoulder.
9. Make sure router cutters are tight in the collet of the router.
10. When a router is started the router kicks due to torque. Always be aware of this when turning the router on or it could kick from your grip.
11. Always allow cutter to reach maximum revolutions before cutter contacts timber. If the cutter is started while it is touching a piece of timber your project will be ruined or the router could kick.
12. Be confident in stance and grip.
13. Rate of feed is important. Allow router to cut. If the rate of travel is too quick the router will be overloaded and the cutter will labour. If the rate of travel is too slow the cutter will burn.
14. When a cut is completed allow cutter to stop, approximately 5 seconds before removing router from the Guide. This will also eliminate the chance of the cutter hitting on the guide and ruining the guide.
15. When plunge cutting, set the depth for the cutter, start the router make sure cutter is clear of material being cut, plunge the router, allow cutter to stop before removing from the groove that the router has cut.
16. If the guides on the top need to be adjusted for different size router base plates or cutting grooves that are wider than the cutter, test with a stationary router to ensure the baseplate doesn't bind against the guide. If the guides are not set with the correct tolerance so the router slides easily it could jam during a cut.
17. Make sure you have plenty of room between you and other people in the workshop so you can't be bumped.
18. Other people in the workshop should wear safety glasses and ear protection.
19. Don't cut too deep as hardwood may need several cuts to reach a particular depth. An example of this is never cut 20mm in one pass, cut a series of cuts instead 5mm then 10mm then 15mm then 20mm.
20. Always have an experienced person give a demonstration when first using routers.
21. Respect the router it is a very dangerous power tool if not used correctly.
22. If router is not reaching full power it may need maintenance.
23. Always make sure a qualified electrician does the necessary Tagging to make sure the power tool is legal to use.
24. Clean guide and put router back in its allocated place when finish using.
25. Never clamp timber in one vice, a minimum of two vices is required when machining timber in the Universal Router Guide.

I have read this SWMS on the correct use for the Universal Router Guide .....