



# Risk Assessment

IMS Form048  
Issue 01 Dated Oct 2020

Operation / Task:	Use of Cartridge Operated Tools	Name of Assessor:	Rhys Milton
Assessment Ref:	RA024	Date of Assessment:	02.01.2024
Persons at Risk:	ASW Employees	Reviewed by	R. Milton
Location / Area:	ASW Health and Safety Assessment 2024	Review date	31.12.2024

Ref	Activity	Hazard	Risk	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating			Comment
				L	S	LxS		L	S	LxS	
1	Use of Cartridge Operated tools including Nail Guns	Wrong power setting for type of fixing and type of material.	Operatives and others sustaining fatal or severe puncture injuries	4	5	20	Operatives must be trained and competent to use the cartridge tool. Operatives shall wear appropriate PPE including impact eye protection and head protection during loading, use and unloading. Direct acting tools should not be used on construction sites. As cartridges are colour coded no person with defective colour vision may operate the tool. Pre-user checks to take place by competent person. Prior to work, test fixings shall be carried out especially in concrete and masonry. Cartridge operated tools will be held firmly and flush with the surface and fired at an angle of 90°. Brittle surfaces will be covered. Any new fixing must be 50mm away from an existing hole. Cartridge operated tools will not be used where there is a risk of fire or explosion, unless permit to work is issued. Misfire procedure will be followed in accordance with manufacturer's procedures. Tools shall only to be used in accordance with manufacturer's instructions, which should be available. Only fixing devices designed for use with the tool shall be used.	1	5	5	
		Fragmentation of brittle materials during firing	Lacerations to eyes and exposed skin	4	5	20	Only fixing devices designed for use with the tool shall be used. Guards to be in place and of sufficient size to check flying pins and debris Other persons shall be cleared from the danger area. Tool to be unloaded and made safe when not in use and stored in a cool dry place. Tools and cartridges shall be held under lock and key in secure containers when not in use and issues suitably controlled. Tool shall be maintained, cleaned and lubricated in accordance with manufacturer's instructions and records kept. Any unfired or misfired cartridges should be handed to the site supervisor for safe disposal	1	5	5	
		Recoil throwing operative off balance.	Serious injury or even fatal injury could occur if a worker falls.	4	5	20	Cartridge operated tools will not be used from a ladder Cartridge operated tools will only be used from stable position on secure and safe platforms. Carry out separate risk assessment for working at height access equipment selected.	1	5	5	



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				L	S	LxS		L	S	LxS	
		<b>Exposure to noise.</b>	Hearing loss Tinnitus	4	5	20	Refer to Risk Assessment RA 013 Noise. Personnel must wear PPE if they are performing a noisy task or working near a noisy activity.	1	5	5	

Likelihood	Severity	Risk factor (Likelihood x Severity)	
1 = Highly unlikely	1 = Insignificant	High Risk = 15-25	Unacceptable Risk. If Post Control risk, work must not commence.
2 = Unlikely	2 = Injury (first aid, no lost time)	Medium Risk = 8-12	If Post Control risk, high level of discipline required & monitoring to consider further controls where possible
3 = Possible	3 = Lost time injury	Low Risk = 1-6	Acceptable Risk assuming all controls in place effectively and workforce aware
4 = Probable	4 = Major injury / disabling condition		
5 = Inevitable	5 = Fatality		

**I have read and understand the requirements of this risk assessment.**

Name	Signature	Date