

RA01	RISK ASSESSMENT	
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Operation/Activity:	Use of Abrasive Wheels
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Site / Location:	All Sites
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Persons at Risk (tick appropriate boxes)			
Employee	✓	Pregnant Women	
Visitor	✓	Disabled Persons	
General Public		Lone Workers	
Young Persons		Others	

GUIDE TO RATINGS:

Risk Severity		Risk Likelihood		Risk Rating	
1	Negligible	1	Unlikely	1 - 6	Low
2	Minor	2	Possible	7 - 14	Medium
3	Significant	3	Quite Possible	15 - 25	High
4	Major	4	Likely		
5	Catastrophic	5	Very Likely		

Overall Risk Rating = Low

Describe the hazards associated with the activity/operation.						
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		Risk Rating (Before Controls)	Summary of Assessment Overleaf			
			Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
H1	Operatives or bystanders being injured by either contact with abrasive wheels or projectile pieces of materials.	Medium	2	3	6	Low
H2	Eye injuries.	Medium	2	3	6	Low
H3	Health hazards arising from exposure to dust and abrasive particles.	Medium	2	3	6	Low
H4	Damage to hearing.	Medium	2	2	4	Low

Assessed By:		Date	
Reviewed By:	Craig Knights	Date:	13/08/25
Approved By:	Gary Robinson	Date:	13/08/25

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Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
General	No operatives will be allowed to operate an abrasive wheel unless they have been trained and instructed in its operation and are authorised to use or are in the process of being trained under the supervision of a competent person.			
	Operatives should be given formal training on the safe use of abrasive wheels. This training should be recorded and reviewed on a regular basis or when a new tool is introduced.			
	Abrasive wheels will be mounted only by trained, certificated and authorised operatives whose names have been noted in the training register.			
	Operatives using machinery must report all defects immediately to a supervisor and not re-use it until repairs have been carried out.			
	Space around the work area must be kept clear and tidy, free from obstructions. Floors must be kept clean and properly maintained to prevent tripping, slipping or falling.			
H1 3 rd Party Risk	Lighting and heating must be adequate for the safe operation of plant. Adverse conditions lessen the effectiveness of the operator.	2	3	6
H2 Flying Particles	- Abrasive wheels must be set up correctly for the work intended and kept in a good condition; - Suitable abrasive wheels will be selected for each work process; - Abrasive wheels will not be used unless suitable guards are fitted to contain fragments of bursting wheel and/or materials; - Machines, onto which abrasive wheels are to be mounted, will be properly maintained, marked with spindle speed <u>and not misused</u>.	2	3	6
	All operatives and bystanders, where abrasive wheel are in use, will wear suitable eye protection and other PPE pertinent to the task.			
H3 Dust / Particles	Dust mask will be worn at all times when working with the machine.	2	3	6
	Any faults with the machine or problems related to dust must be communicate by operatives immediately.			
H4 Noise	Operatives have been issued with ear defenders and must wear them when using the machinery.	2	2	4
	Mandatory ear protection signs are posted at the machinery.			