

Project:	Workshop Operations	RA No:	01	Review Date
Operation / Task:	Use of abrasive wheels during maintenance and repairs	Persons at risk:	Fitters and other personnel in vicinity of activity	31/01/2027
Location / Area:	Workshop/Yard	Public at risk:	No	
Monitoring Responsibility:	Depot Manager, Workshop Manager, Workshop Foreman, Operatives and Supervisors, HSQE Team			

KEY

S = Severity Rating

L = Likelihood of Occurrence

RR = Risk Rating

5	5	10	15	20	25	R Unacceptable risk, plan out or add further controls. O Acceptable only if no other method viable & with high level controls in place. Y Acceptable with suitable controls. G Acceptable, no further action required.
4	4	8	12	16	20	
3	3	6	9	12	15	
2	2	4	6	8	10	
1	1	2	3	4	5	
		1	2	3	4	5

Severity

Likelihood

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Using abrasive wheels in handheld / portable grinding equipment	Disc shatters, particles flying off	3	4	12	<ul style="list-style-type: none"> Suitable guards should be fitted to the machine to protect operator from moving parts in accordance with manufacturers' instructions. Guards should be correctly adjusted. Staff must be trained and competent to use and fit abrasive wheels. PPE to be worn, glasses / goggles / face visor EN166 Class 1, hearing protection, safety boots, dust mask. All controls / switches to be clearly marked. Conduct hand and eye checks prior to use. If air operated - compressed air system to be checked Circuit breakers and isolation switches must be serviceable and tested. 	3	2	6	Depot Manager. Workshop Manager Workshop Foreman HSQE Team
Using abrasive wheels in handheld / portable grinding equipment	Disc shatters, particles flying off	3	4	12	<ul style="list-style-type: none"> Visual inspection of power supply prior to use Electrical items are subject to routine PAT and in date. All safety decals to be legible and in place. Manufacturers guidance and user instructions to be adhered with. Equipment to be used in safe area. Segregated where possible. Ensure suitable storage for discs and wheels is in place minimising risk of damages. Low vibration tools and equipment purchased and used. 	3	2	6	Depot Manager. Workshop Manager Workshop Foreman HSQE Team

Owner: Head of HSQE	Version: 3	LF263
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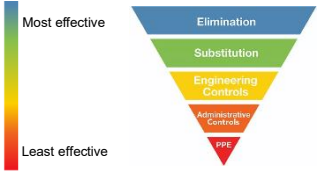
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1. Negligible
2. Minor Injury
3. Major Injury (RIDDOR)
4. Fatality
5. Multiple Fatality

1. Improbable
2. Remote 1 – 10%
3. Possible 10 – 50%
4. Probable 50 – 90%
5. Almost certain 90%+

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Using abrasive wheels in handheld / portable grinding equipment	Noise	3	4	12	<ul style="list-style-type: none"> Identify correct disc for material. Use equipment in dedicated workshop areas. Comply with mandatory hearing signs. Wear hearing protection correctly. Ensure the wheel runs true - ring test and dressing. All trained in hearing protection use. 	3	2	6	Depot Manager. Workshop Manager Workshop Foreman HSQE Team
Using abrasive wheels in handheld / portable grinding equipment	Contact with operator	3	4	12	<ul style="list-style-type: none"> Loose clothing to be removed, ties etc. Long hair to be tied back / covered by PPE. Gloves to be worn. Work pieces to be held in vice. Workshop areas to be segregated - hazard warning signs legible and visible. Site rules to be observed - no horseplay. Operator to be trained and competent to use equipment. Equipment should be inspected for wear and serviceability. Do not store or place down after use until ensuring that the tool/equipment is at a full stop including the disc and powered off. 	3	2	6	Depot Manager. Workshop Manager Workshop Foreman HSQE Team
Changing Abrasive Wheels	Incorrect Fitting of wheels	3	4	12	<ul style="list-style-type: none"> Only those who are trained and competent are permitted to change abrasive wheels. Operators to be able to identify unserviceable / damaged discs / wheels. 	3	2	6	Depot Manager. Workshop Manager Workshop Foreman HSQE Team

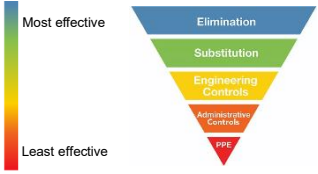
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					<ul style="list-style-type: none"> Carry out ring tests on vitrified wheels. Understand fitting and removal techniques. Diagnose common faults. Understand reporting procedures for repairs and servicing. 				

Risk Assessment Prepared By:

Paul Lynch

Signature:



Date:

31/01/2026

Risk Assessment Reviewed By:

Daniela Rizvan

Signature:



Date:

31/01/2026



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