

Use of abrasive wheel RA 065

Consequence	5	10	15	20	25
	4	8	12	16	20
	3	6	9	12	15
	2	4	6	8	10
	1	2	3	4	5
Likelihood					

- Unacceptable – Stop activity
- Adequate – Look to improve at next review
- Acceptable – No further action / monitor

Risk Assessment:	065 Abrasive wheel
Assessors Name:	Gabriela Balint
Signature:	Balint
Date:	January 2022
Review:	January 2023

Location: Various

Likelihood	1 = Very unlikely	2 = Unlikely	3 = Fairly likely	4 = Likely	5 = Very likely
Consequence	1 = Insignificant	2 = Minor	3 = Moderate	4 = Major	5 = Catastrophic

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Unauthorised use	Person using the equipment and others in the area. Serious injury potential through misuse	3	4	12	Only persons who have been trained and are competent to use an abrasive wheel are permitted to use the equipment. When not in use, equipment should be secured away to prevent unauthorised use.	1	4	4
Wheel burst	Person using the equipment and others in the area. Serious injury potential through contact	3	4	12		3	2	6

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Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Fire through generation of ignition source (sparking)	Person using the equipment and others in the area. Serious injury potential, fatalities.	3	5	15	Use of hot works permit when using abrasive wheels ensuring all control measures required are in place. Good housekeeping ensuring that combustibles are removed from the area, operatives wear fire resistant clothing. Do not use in potentially explosive or flammable atmospheres. Suitable fire extinguishers in place.	2	5	10
Use of rotating machinery	Person using the equipment, serious injury potential from drawing in and contact.	3	4	12	Operatives to ensure that long hair / loose clothing and other items that could be drawn in are either tied up or removed from the area.	1	4	4
Generation of dust	Person using the equipment and others in the area. Nuisance to long term adverse health effects	3	3	9	Use of integral dust suppression on tooling or local exhaust ventilation. Use of water to dampen dust where practicable. Use of suitable RPE in place dependent upon material being used upon.	1	3	3
Noise & vibration	Person using the equipment and others in the area. Potential for long term hearing damage and Vibration diseases	3	3	9	Where practicable, works to take place away from others, operatives to wear suitable hearing protection. Monitoring of trigger time required together with keeping hands warm, job rotation and maintenance of equipment. For additional control measures, refer to the noise & vibration RA No. 011	1	3	3