

Risk Assessment

RA040 – Kelly Bar Repairs



ABI Equipment Ltd	Creation Date: 28/09/21
Kelly Bar Repairs	

Main Hazards are:	
Fumes	Crushing
Sparks	Arc Eye
Fire / Burns	Slips and trips
Vibration from Grinders	
Persons / Property affected	
All Employees	General Public

Assessment of Risk:	Severity	4	X	Likelihood	4	= Risk	16
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Control Measures already in Place	PPE Required
1. Work to be carried out inside the welding bay	Safety helmets <input type="checkbox"/>
2. All Internal doors to be closed before work commences	Hi-Vis Jackets <input type="checkbox"/>
3. Exhaust extraction to be turned on before work commences and correctly positioned	Safety footwear <input checked="" type="checkbox"/>
4. Individual filtered air-fed mask to be worn at all times and correctly fitted	Eye protection <input checked="" type="checkbox"/>
5. Work area to be kept tidy to prevent trips & slips .	Dust masks <input checked="" type="checkbox"/>
6. Full PPE to be worn including flame retardant overalls and welding boots.	Ear plugs <input checked="" type="checkbox"/>
7. All flammable materials to removed from the work area	Earmuffs <input checked="" type="checkbox"/>
8. Fire extinguishers to be easily accessible and regularly inspected	Gloves <input checked="" type="checkbox"/>
9. Time of "Hands on Tool" to be measured	Protective overalls <input checked="" type="checkbox"/>
10. Kelly Bar Roller/Trestles to be used to move kelly bars. This is a two-person task using mechanical aids.	Gauntlets <input checked="" type="checkbox"/>
11. Welding masks to be worn at all times when welding is taking place	Harnesses <input type="checkbox"/>
12. Welding curtains to be positioned (when welding) to protect other people	Breathing apparatus <input checked="" type="checkbox"/>
13. Cables to be carefully routed. Use of overhead cables wherever possible	Welding masks <input checked="" type="checkbox"/>
	Flame retardant overalls <input checked="" type="checkbox"/>
	Welding boots <input checked="" type="checkbox"/>

Assessment of Risk:	Severity	4	X	Likelihood	2	= Risk	8
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Additional Controls required	PPE/Equipment
1 day of vibration testing tools (approx. 20 tools) including noise measurements including HAVS report (including observations & recommendations)	
Register to be kept of time spent using vibrating tools	
Sealed bins for waste or items kept in the general workshop area	
The employee must be adequately trained and competent to operate in the area in which they are to work.	
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	30/09/2021
Updated by	Ash Soliman	04/10/2024
Review by:	Ash Soliman	04/10/2024

RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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Prepared by	Cathy Sheehan
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