

Pipe Threader Risk Assessment

Business Name:		ABN:
Business Address:		
Contact Person:	Phone:	Email:

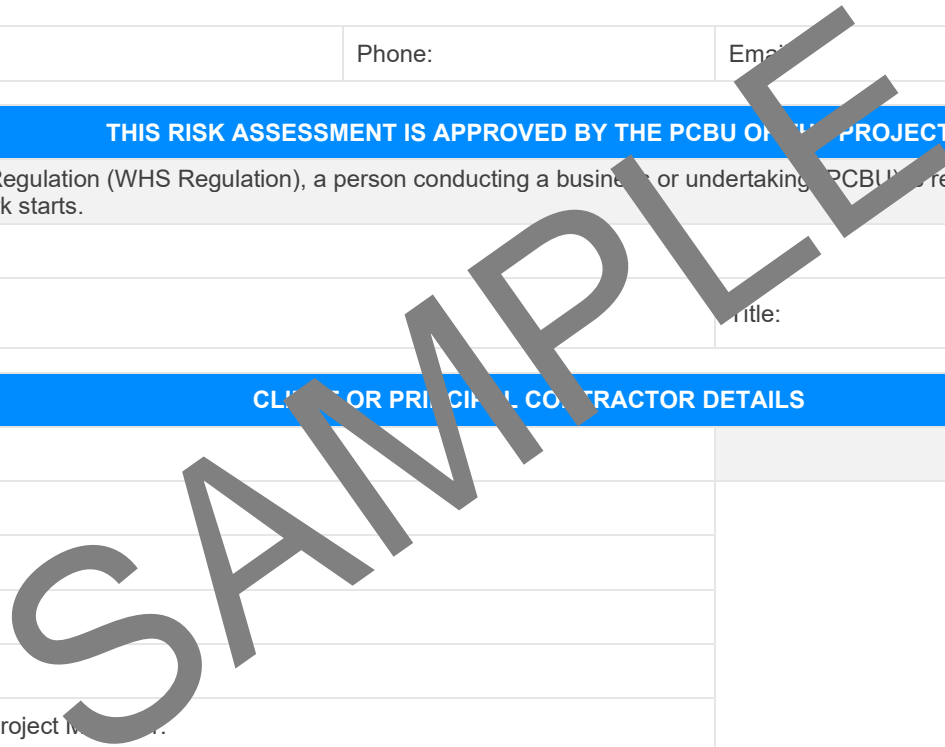
THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	



RISK MATRIX

LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change
								PPE

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

1. **Eliminate**
2. **Substitute**
3. **Isolate**
4. **Engineering**
5. **Administrative**
6. **PPE**

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.

JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	manual handling injury, slip and trip	3H	<ul style="list-style-type: none"> - Conduct a risk assessment on site before operation begins - Ensure all operators are trained in manual handling procedures - Use mechanical aids to transport heavy equipment - Check work area for any slip or trip hazards and remove or sign appropriately - Ensure appropriate signage and barricades are in place if floors are wet - Wear suitable personal protective equipment (PPE: safety boots, gloves) - Staff to report any hazards or unsafe conditions to a supervisor immediately - Ensure clear access to and egress from the working area - Provide adequate lighting for work area - Make sure the work area is organised to minimise risk of trips 	2M
2. Machine Setup	electrical shock, pinch	3H	<ul style="list-style-type: none"> - Verify that the power source is isolated before any machine setup - Inspect electrical cords and equipment for damage before use - Ensure guards and safety features are installed and functional - Only trained personnel to perform machine setup - Follow company procedure for lockout/tagout when setting up machines - Use tools that are properly insulated while handling electrical tasks - Secure loose clothing and hair to prevent entanglement - Clearly label and report any defective machinery or tools - Conduct a test run without a load to ensure safe operation - Provide training on the identification of pinch points and safe work practices 	2M
3. Tool Selection	incorrect tool usage, cuts and abrasions	2M	<ul style="list-style-type: none"> - Ensure operators are trained in the selection and safe use of tools - Toolbox talks to discuss the importance of correct tool selection - Inspect tools before use to ensure they are in good condition - Wear appropriate PPE: safety gloves, long sleeves - Use tools according to the manufacturer's instructions - Provide secure storage for sharp tools to prevent accidental contact - Replace or repair damaged tools immediately - Store tools safely when not in use to prevent tripping over them 	1L

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			<ul style="list-style-type: none"> - Ensure first aid kits are readily accessible - Supervise novice workers to ensure correct tool usage 	
4. Pipe Measurement	inaccurate measurements, strain injury	2M	[REDACTED]	1L
5. Clamping Pipe	improper clamping leading to pipe movement, pinch points	3H	[REDACTED]	2M
6. Pipe Cutting	flying debris, contact with cutting tool	4A	[REDACTED]	2M

SAMPLE

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			[REDACTED]	
7. Thread Cutting	incorrect threading, tool breakage	4A	[REDACTED]	2M
8. Finishing Threads	burrs and sharp edges, [REDACTED]	3H	[REDACTED]	1L
9. Equipment Cleaning	chemical exposure from cleaning agents, manual handling of equipment	3H	[REDACTED]	2M

SAMPLE

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			[REDACTED]	
10. Site Clean-up	slips from spills, trip hazards from debris	3H	[REDACTED]	1L
11. Tool Maintenance	improper maintenance leading to tool failure, exposure to sharp parts	3H	[REDACTED]	2M
12. Record Keeping	inaccurate records, data loss	2M	[REDACTED]	1L

SAMPLE

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			[REDACTED]	
13. Emergency Procedures	lack of emergency preparedness, delayed response	4A	[REDACTED]	2M
14. Worker Training	insufficient skills, non-compliance with safety protocols	3H	[REDACTED]	2M
15. Sign-Off	missing documentation, lack of accountability	2M	[REDACTED]	1L

SAMPLE

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			[REDACTED]	
16. Dismantling Equipment	equipment falling, tool misuse	3H	[REDACTED]	2M
17. Inspection and Storage	incorrect storage leading to damage, potential leaks	3H	[REDACTED]	2M

SAMPLE

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18. Final Reporting	failure to report, data inaccuracies	2M	[REDACTED]	1L
19. Feedback and Improvement	unaddressed safety concerns, non-continuous improvement	3H	[REDACTED]	1L
20. End of Day Closure	incomplete shutdown, equipment not secured	3H	[REDACTED]	1L

SAMPLE

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SAMPLE

EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES FOR ANY STATE THAT ARE NOT APPLICABLE

Queensland & Australian Capital Territory

Work Health and Safety Act 2011
 Work Health and Safety Regulations 2011
 Legislation QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws>
 Codes of Practice QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice>
 Legislation ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations>
 Codes of Practice ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice>

Victoria

Occupational Health and Safety Act 2004
 Occupational Health and Safety Regulations 2017
 Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>
 Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice>

New South Wales

Work Health and Safety Act 2011
 Work Health and Safety Regulations 2017
 Legislation NSW: <https://www.safework.nsw.gov.au/legal-obligations/legislation>
 Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-of-codes-of-practice>

Western Australia

Work Health and Safety Act 2020
 Work Health and Safety Regulations 2022
 Legislation Western Australia: <https://www.commerce.wa.gov.au/worksafe/legislation>
 Codes of Practice WA: <https://www.commerce.wa.gov.au/worksafe/codes-practice>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011
 Work Health and Safety (National Uniform Legislation) Regulations 2011
 Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/work-places-and-laws>
 Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>
 Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

South Australia

Work Health and Safety Act 2012 (SA)
 Work Health and Safety Regulations 2012 (SA)
 Legislation for SA: <https://www.safework.sa.gov.au/resources/legislation>
 Codes of Practice for SA: <https://www.safework.sa.gov.au/work-places/codes-of-practice#COPs>

Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work

Tasmania

Work Health and Safety Act 2012
 Work Health and Safety (Transitional and Consequential Provisions) Act 2012
 Work Health and Safety Regulations 2012
 Work Health and Safety (Transitional) Regulations 2012
 Legislation for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations>
 Codes of Practice for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice>

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

