

Side Lifter Operation 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:								Notes on Hierarchy of Controls:	
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.						Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H		Review and approve additional controls before the task starts. Senior supervisor sign-off needed.						1. Eliminate	
2M		Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.						2. Substitute	
1L		Proceed, following standard operating procedures. Monitor and keep records.						3. Isolate	
Consequence Scale:								4. Engineering	
Consequence	People (injury/illness)		Project / Assets		Compliance / Reputation		5. Administrative		
Catastrophic	Fatality or permanent total disability		project shutdown		Significant regulator intervention; criminal prosecution		6. PPE		
Major	Serious injury/illness (hospital > 5 days)		critical delay		Improvement notice; major media coverage		Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.		
Moderate	Medical-treatment injury; lost-time > 1 day		moderate delay		Minor breach; adverse client comment		<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>		
Minor	First-aid only, no lost time		negligible delay		Isolated non-conformance				
Insignificant	No injury		no schedule impact		Deviation caught and corrected on site				

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	Slips and trips, Incorrect PPE	3H	<ul style="list-style-type: none"> - Conduct site inspection for any obstacles - Ensure proper signage for wet areas - Verify PPE compliance with detailed checklist - Provide briefing on safe walking paths - Dress in appropriate PPE including steel-capped boots - Conduct training on hazard identification - Enforce regular cleanliness inspections - Allocate time for addressing PPE concerns - Provide access to PPE required - Report and document all preliminary checks 	1L
2. Pre-Operation Inspection	Equipment malfunction, Untrained personnel	4M	<ul style="list-style-type: none"> - Conduct thorough equipment check using detailed protocol - Ensure inspection log is completed and up to date - Confirm validity of operator licenses - Provide refresher training for all operators - Keep detailed training records for personnel - Label faulty equipment immediately - Conduct random audits of operator licenses - Verify certification expiry and renew if required - Establish a system for immediate reporting of malfunctions - Document inspection outcomes 	2M
3. Lifting Preparations	Incorrect lifting gear, Overloading	4A	<ul style="list-style-type: none"> - Verify lifting gear matches load requirements - Conduct detailed load assessment prior to lifting - Use load charts to determine safe lifting parameters - Organise regular lifting gear inspections - Provide load assessment training for operators - Maintain proper documentation of lifting gear maintenance - Attach load safety labels on all equipment - Utilize certified rigging personnel 	2M

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			<ul style="list-style-type: none"> - Prohibit use of untested lifting equipment - Record all pre-lift checks 	
4. Positioning Side Lifter	Ground instability, Insufficient clearance	4A	<ul style="list-style-type: none"> - Ensure ground is stable and capable of supporting the load - Verify sufficient clearance around the load and equipment - Use spotters to assist with positioning - Communicate clearly with the operator - Perform a pre-lift check of the equipment - Use proper tie-down techniques - Secure the load properly - Use proper hitching techniques - Verify the load is balanced - Use proper backing and pulling techniques - Perform a final check before moving 	1L
5. Raising the Load	Swinging load, Mechanical failure	4A	<ul style="list-style-type: none"> - Ensure the load is properly secured - Verify the equipment is in good working order - Use proper hitching techniques - Communicate clearly with the operator - Perform a pre-lift check of the equipment - Use proper tie-down techniques - Secure the load properly - Use proper backing and pulling techniques - Perform a final check before moving 	1L
6. Load Transport	Vehicle collision, Inadequate securing	4A	<ul style="list-style-type: none"> - Ensure the load is properly secured - Verify the equipment is in good working order - Use proper hitching techniques - Communicate clearly with the operator - Perform a pre-lift check of the equipment - Use proper tie-down techniques - Secure the load properly - Use proper backing and pulling techniques - Perform a final check before moving 	2M

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7. Load Lowering	Sudden load drop, Spotter injury	4A		2M
8. Unloading Procedures	Load shift, Personnel struck by equipment	4A		1L
9. Load Detachment	Equipment entanglement, Loosened load	4A		1L

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10. Conclusion	Residual hazards, Injuries during clean-up	3H		1L
11. Equipment Maintenance	Inadequate lubrication, Sharp edges exposure	3H		1L
12. Operator Training	Skill degradation, Safety protocol non-compliance	3H		1L

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13. Emergency Preparedness	Delayed response, Communication failure	4A		1L
14. Environmental Control	Dust and debris, Excessive noise	2M		1L
15. Site Safety Review	Overlooked hazards, Inadequate record-keeping	3H		1L

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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 IF 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-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/workplace-safety-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>

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

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/workplaces/codes-of-practice#COPs>

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.