



# RISK ASSESSMENT FORM

<b>PROJECT</b>	FlexiProp Prop Lock
<b>SITE</b>	All sites
<b>DATE</b>	11 <sup>th</sup> April 2024

<b>FACILITATOR</b>	Simon Connell

<b>Description/Name of Item, Plant, Process – Chemical – Noise – Manual Handling – Heights – Confined Spaces</b>
<b>FlexiProp Prop Lock</b>
<b>Control Categories Considered</b> (Tick all considered) <input type="checkbox"/> Design/Redesign <input type="checkbox"/> Substitution <input checked="" type="checkbox"/> Engineering <input checked="" type="checkbox"/> Administration <input checked="" type="checkbox"/> Personal Protective Equipment
List relevant WHS Act and Regulations: WHS Act 2011, WHS Regulations 2017, Work Health and Safety (Mines) Act 2013, Work Health and Safety (Mines) Regulations 2014, QLD Coal Mining Safety and Health Act 1999, QLD Coal Mining Safety and Health Regulations 2017.
List relevant Codes of Practice/Compliance Codes applicable to your work:
List the relevant proposed site authorisations to conduct this task:

Location	Task	Hazard	Existing Controls	Assessment			Additional Controls	Residual Risk		
				Consequence	Likelihood	Risk Rating		Consequence	Likelihood	Risk Rating
Job Site	Using the Prop Lock	Prop Lock does not fit the type and diameter of prop being used.	<ul style="list-style-type: none"> <li>There are 2 x types of Prop Lock that can be used with various Props on the market.</li> <li>Choose either the 'Standard' or 'Adjustable' Prop Lock to suit the type and diameter of Prop to be used.</li> </ul>	1	D	Low				



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				Consequence	Likelihood	Risk Rating		Consequence	Likelihood	Risk Rating
		Prop Lock constructed materials LESS THAN ADEQUATE and break under load.	<ul style="list-style-type: none"> <li>Prop Lock is manufactured from Nylon and pins used are stainless steel</li> </ul>	1	D	Low				
		Persons injured by pinch points when attaching and closing Prop Lock around prop.	<ul style="list-style-type: none"> <li>Flexiprop recommend the use of gloves and to keep fingers away from the mechanism when closing.</li> </ul>	1	C	Mod				
		Prop Lock loses integrity being used in the elements and fails.	<ul style="list-style-type: none"> <li>Prop Lock is manufactured from Nylon and pins used are stainless steel</li> </ul>	1	D	Low				
		Prop Lock is not secured properly to the prop and fails in service.	<ul style="list-style-type: none"> <li>The standard Prop Lock has been designed to fit standard 60 - 63mm props.</li> <li>The adjustable Prop Lock has been designed to be adjusted to various diameter props for a secure fit</li> </ul>	1	D	Low				
		Prop Lock is not securely locked out and unknown persons remove the Prop Lock causing the Prop Lock to be tampered with	<ul style="list-style-type: none"> <li>Prop Lock has been designed to be used with a personal lock out device, which adequately locks the</li> </ul>	2	D	Low				





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				Consequence	Likelihood	Risk Rating		Consequence	Likelihood	Risk Rating
			prop from being tampered with							
		LESS THAN ADEQUATE lock out requirements for companies that require multiple locks to be applied to a lock out point.	<ul style="list-style-type: none"> <li>The Prop Lock lockout point can be used with a 'Hasp' which can accommodate multiple locks and persons.</li> </ul>	1	D	Low				
		Prop Lock is not suitable for applications where there could be a potential of sparking.	<ul style="list-style-type: none"> <li>Prop Lock is manufactured from Nylon and pins used are stainless steel.</li> <li>Prop Lock is earthed directly to the metal prop when being used.</li> </ul>	2	C	Mod				



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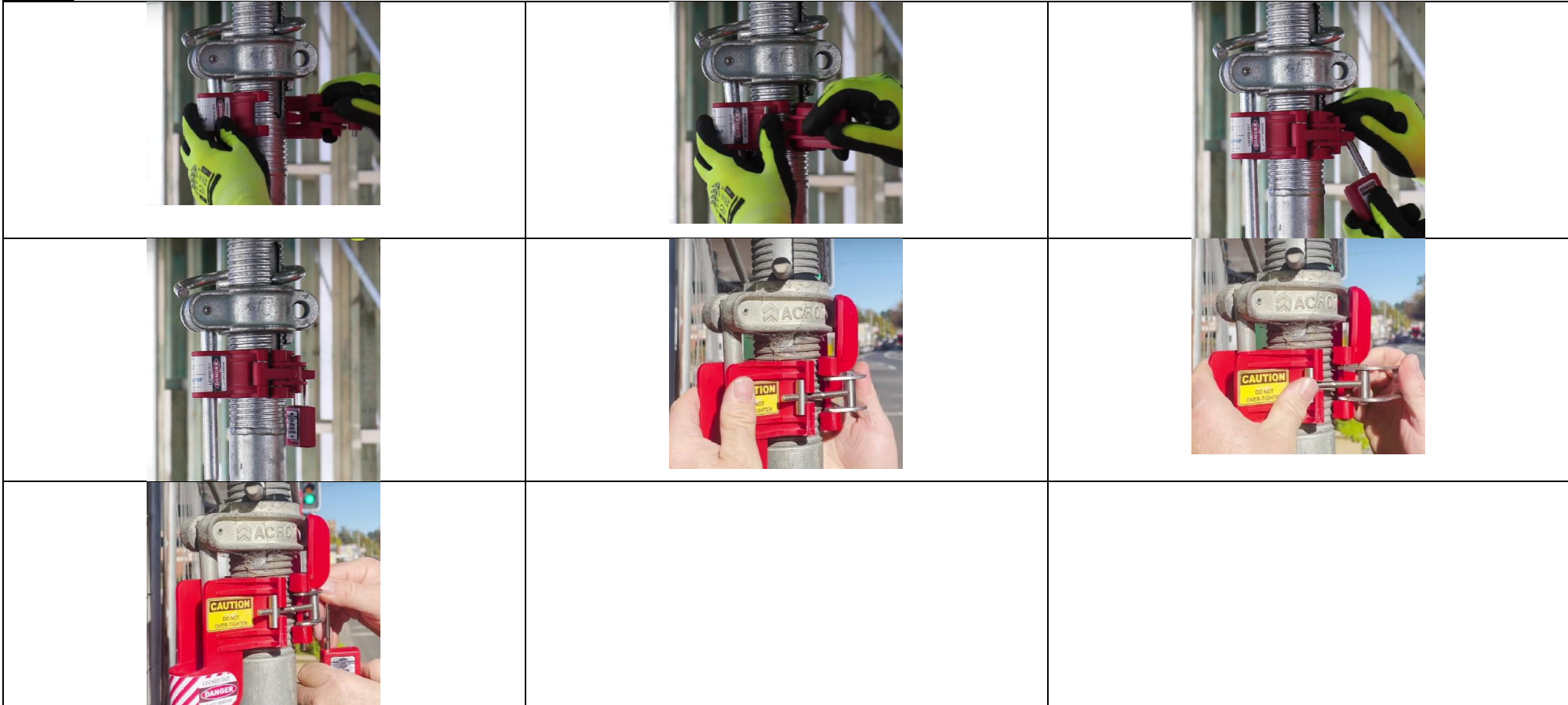
**Attendance:**

Team Member	Role in Risk Assessment	Relevant Experience (Type and Years)	Signature
Simon Connell	Facilitator	26 years	
Robert Goldspink	OEM	37 years	



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Photos:





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	CONSEQUENCE				
LIKELIHOOD	1 Minor	2 Serious	3 Severe	4 Major	5 Catastrophic
<b>A</b> Almost Certain	Moderate	High	Extreme	Extreme	Extreme
<b>B</b> Likely	Moderate	Significant	High	Extreme	Extreme
<b>C</b> Possible	Moderate	Moderate	Significant	High	Extreme
<b>D</b> Unlikely	Low	Low	Moderate	Significant	High
<b>E</b> Rare	Low	Low	Moderate	Moderate	Significant

Plot consequence and likelihood to ascertain risk score.

**Extreme (Red) or High (Orange) = Do not continue: call Manager – No job will proceed until mitigated risk score is in the Significant (Yellow), Moderate (Green) or Low (Blue).**

**YELLOW S, BLUE M or GREEN L = Proceed with controls in place.**

**Step 1** – Estimate the consequences of an incident occurring

Consequence	
5	Multiple Fatalities or total permanent disabilities (staff, contractors or public). Widespread toxic release off site with long term effects Substantial/long term damage to flora/fauna, soil/water. Damage to asset >10K
4	Single fatality or total permanent disability (staff, contractors or public). Major off site release or cumulative release of pollutants with significant impact to flora and fauna. Damage to asset >5K Production time lost > 1 Day

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**Hierarchy of Controls**  
The hierarchy of controls must be applied in the order below for all identified hazards. The higher the risk score, the more emphasis should be placed on the more effective controls, such as elimination or substitution.

**1. Elimination**  
Elimination is the most effective way of managing a risk. For example – filling in a hole to remove a trip hazard.

**2. Substitution**  
This is the most effective way to manage a risk. For example – using a less harmful chemical.

**3. Isolation / Engineering**  
Isolation may include limiting how many people are exposed to a hazard. For example – using noisy equipment at night time when less people are present.

**4. Administrative**  
Examples of this kind of control include training and instruction.

**5. PPE**  
PPE is the least effective of all the controls and should be seen as the last line of defence.



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3	Temporary or partial permanent disability (staff, contractors or public). Offsite release with some damage to flora and fauna and short term effects to soil water and air. Some clean-up costs. Damage to asset >2.5K Production time lost > 1 Shift
2	Medical Treatment / LTI (staff, contractors or public). On/off site release with minimal impact. Environmental agency report required. Damage to asset >1K Production time lost > 1/2 shift
1	First Aid, No Medical Treatment (staff, contractors or public). Onsite leak contained without impact. No environmental agency report required. Damage to asset 0K Production time lost > 1Hour

**Step 2** – Estimate the likelihood of an incident occurring

### Likelihood

5	Will almost certainly occur once (or more) every couple of years. Expected to happen, happens frequently.
4	Will probably (>50%) occur once (or more) in 20 years. Could occur within the business unit or similar sites.
3	Could occur, but not probable. Has occurred in Custom Mining Products
2	Not expected to occur. Has not occurred at Custom Mining Products, but has occurred within the industry within Australia.
1	May occur only in exceptional circumstances. Has occurred in known history worldwide or is conceptually possible.

**Step 3** – Determine the risk rating using the above matrix

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