

PAT ROPE ACCESS SERVICES- RISK ASSESSMENT WORKSHEET

Job No: GENERIC	Location: GENERIC	Page 1 of 9
Client: GENERIC	Job: Powered Hand Tool Operation	
Persons Compiling Risk Assessment: P.CONLAN P.BURGESS		
Persons Reviewing/Updating Risk Assessment: P.CONLAN P.BURGESS		

Refer to Risk Assessment Matrix and Risk Assessment Checklist Forms and to Risk Assessment Procedure	Hazard Consequence					
	Chance of Occurrence	Trivial	Minor	Major	Serious	Fatal
	Remote	LOW	LOW	LOW	LOW	MEDIUM
	Unlikely	LOW	LOW	MEDIUM	MEDIUM	HIGH
	Possible	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	Probable	LOW	MEDIUM	HIGH	HIGH	HIGH
Near Certain	MEDIUM	HIGH	HIGH	HIGH	HIGH	

RISK	DANGER
LOW	Acceptable - Task may proceed
MEDIUM	Tolerable - Task may proceed if all controls are in place & supervision is adequate
HIGH	Unacceptable - Task may not proceed until the risk is reduced

JOB STEPS	HAZARD		INITIAL RISK			CONTROLS List All Controls Required	RESIDUAL RISK		
	Hazard Description and Effect	People, Property or Environment at Risk	Hazard Consequence	Chance of Occurrence	Risk Rating		Controlled Hazard Consequence	Controlled Chance of Occurrence	Residual Risk Rating
Operating	Noise from operators	Operators & site personnel	Major	Near Certain	High	Site personnel to wear hearing protection	Minor	Unlikely	Low
Operating	Failure of equipment	Operators & site personnel	Major	Possible	Medium	All equipment is to be checked prior to use	Major	Unlikely	Medium
Operating	Loss of control of machine	Operators & site personnel	Serious	Possible	High	Personnel competent in use of equipment. Standby man deployed to monitor operation. Ability to isolate equipment from standby position. Use two hands to operate the tool	Major	Unlikely	Medium
Operating	Breaching of live process pipework or vessel using tools/equipment	Operator and site personnel	Fatal	Possible	High	Confirm identity of item prior to commencing to determine contents/service. Check for colour code marks or tags on items and remember they could be obscured. Cross check and codes/tags with client supervisors/managers. Consider requesting thickness measurements (e.g. if severe corrosion present) Ensure proper pilot drill length control Remain aware and focused whilst working	Fatal	Remote	Medium
Operating	Injury from flying debris	Operator and site personnel	Major	Possible	Medium	Work area barriers and signs Use of appropriate PPE per company procedures	Minor	Possible	Medium
Operating	Loose clothing caught in operating equipment	Operator and site personnel	Major	Possible	Medium	Secure any loose clothing or lanyards that could potentially get caught. Safety watch deployed to monitor activities	Major	Unlikely	Medium
Operating	Ropes caught in operating equipment	Operators & site personnel	Major	Possible	Medium	Ensure ropes are held out of the way during operations. Safety watch deployed to monitor activities	Major	Unlikely	Medium
Operating	Dropping of tools	Operators & site personnel	Major	Possible	Medium	Observe company rope access procedure. Attach tools using lanyard. Barrier off areas below worksite.	Major	Unlikely	Medium

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Operating air powered equipment	Parting of connections	Site Personnel	Major	Possible	Medium	Inspect all connections prior to use. Use whip checks on all connections.	Minor	Remote	Low
Operating air powered equipment	Injury from high pressure air caused by fracture of hose	Operators & site personnel	Major	Possible	Medium	Care routing hoses Inspection of hoses and fittings prior to use.	Major	Unlikely	Medium
Operating air powered equipment	Inadvertent operation of equipment	Operators & site personnel	Major	Possible	Medium	All tools and equipment to remain isolated/un-plugged/de-energised when not in use. Ability to isolate equipment from standby person's position.	Major	Unlikely	Medium
Operation of electrical equipment	Potential for electric shock	Operators & site personnel	Serious	Possible	High	Protection from water and other physical damage. All equipment to be portable appliance tested. All equipment to be checked prior to use	Serious	Remote	Low
Use of non-EX rated electrical equipment in zoned areas	Potential for ignition source	Operators & site personnel	Fatal	Possible	High	Operate under spark potential hot work permit – comply with gas monitoring and supply isolation requirements	Fatal	Remote	Medium
Operating electrical equipment	Spark due to equipment being dropped or otherwise damaged in use.	Operators & site personnel	Fatal	Possible	High	Equipment to be placed on suitable scaffold bench, or on deck	Fatal	Remote	Medium
Drilling/boring operations	Injury from drilling equipment	Operators & site personnel	Major	Possible	Medium	Only operate drill in stable position. Use centre punched hole to start drilling. Ensure drill bits are secure in drill chuck	Major	Unlikely	Medium
Drilling/boring operations	Failure of drill bit	Operators & site personnel	Major	Possible	Medium	Inspect drill bits prior to use. Appropriate PPE to be work during operations	Major	Remote	Low

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Operating Vibrating Tools	Hand arm vibration syndrome	Operator	Major	Possible	Medium	Keep warm, especially hands. Exercise to stimulate circulation, especially hands Use correct tool for job and keep it well maintained Avoid using more force or grip than necessary Avoid long operating periods without a break Observe operating time limits. Anti-vibration gloves generally do not reduce vibration levels enough to allow exposure times to increase.	Major	Unlikely	Medium
Grinding Operations	Puncturing electrical cable	Operators & site personnel	Serious	Possible	High	Confirm item identity prior to commencing. Move cables clear of area to be needle gunned	Serious	Remote	Low
Grinding Operations	Contact with rotating disk	Operators & site personnel	Serious	Possible	High	Ensure guards are in place and functional prior to use. Appropriate PPE to be worn at all time whilst operating the tool, this includes goggles and gloves.	Serious	Remote	Low
Grinding Operations	Injury caused by molten sparks	Operators & site personnel	Major	Possible	Medium	Appropriate PPE to be worn at all times whilst operating the tool, including flame retardant coveralls. Operator should attempt to avoid being in the spatter/spark line of fire	Major	Unlikely	Medium
Grinding Operations	Disintegration of grinding disk	Operators & site personnel	Major	Possible	Medium	Inspect the disks prior to use Change disks if more than 20% worn. Appropriate PPE to be worn at all times whilst operating the tool.	Major	Remote	Low
Grinding Operations	Injury due to unsupported steelwork	Operators & site personnel	Serious	Possible	High	Ensure steelwork is adequately supported by suitable rigging equipment. Ensure steelwork is adequately supported to prevent any pendulum effect once ground free.	Serious	Remote	Low
Grinding Operations	Ignition of combustible materials	Operators & site personnel	Major	Possible	Medium	Ensure all combustible materials are out of range of sparks or spatter. Be aware of where the nearest fire extinguishers are. Work to be carried out under a hot work permit where required.	Major	Remote	Low
Grinding Operations	Ingestion of grinding dust	Operators & site personnel	Major	Probable	High	Dust masks to be worn whilst grinding.	Minor	Unlikely	Low

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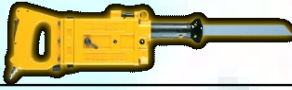





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	Hazard Description and Effect	People, Property or Environment at Risk	Hazard Consequence	Chance of Occurrence	Risk Rating		List All Controls Required	Controlled Hazard Consequence	Controlled Chance of Occurrence
Work positioning using Rope Access Techniques	Rope Cut	Work Party	Serious	Probable	High	Observe company rope access procedures Observe specified job procedures High shunt with steel attachment sling. Ropes to be shielded where necessary if appropriate	Minor	Unlikely	Low
Equipment Set up	Personal injury due to manual handling	Operator and site personnel	Major	Probable	High	Normal good practice and technique. Provision of first aid cover/facilities	Major	Unlikely	Medium
General Worksite controls	Personal injury	Workforce and site personnel	Serious	Near Certain	High	Work area barrier and signs Use of sufficient personnel to adequately monitor worksite Ability to shut-off equipment in emergency including methods of communication to shut-off position. No personnel allowed within specified area without appropriate PPE. Provision of first aid cover/facilities	Minor	Unlikely	Low
General Worksite controls	Personal injury (slips trips & falls)	Workforce and site personnel	Major	Probable	High	Work area barriers and signs Care routing hoses/cables Keep worksite tidy Good housekeeping Provision of first aid cover/facilities	Major	Unlikely	Medium
Project Management/ Engineer & planning	Injury, damage or release due to lack of control	Workforce and site personnel	Fatal	Possible	High	Become familiar with company procedures for Rope Access operations Review generic risk assessment Pre-job site survey Project Specific risk assessment Adequate Assessment to tasks Consideration of work methods and equipment and safer/more appropriate alternatives Consideration of contractual relationships and interfaces between organisations involved.	Major	Unlikely	Medium

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Cengar Saws													
Cengar	CL50	Air		3.69	3 hrs 40 min	14 hrs 41 min	Cengar	CL75	Air		3.69	3 hrs 40 min	14 hrs 41 min
Cengar	JP901	Air		1.23	> 24 hrs	> 24 hrs	Cengar	PL905	Air		1.73	16 hrs 42 min	> 24 hrs
Cengar	JSZ	Air		1.38	> 24 hrs	> 24 hrs							
Die Grinders													
Bosch	GG5-27	110V		3.5	4 hrs 5 min	16 hrs 20 min	Chicago Pneumatics	CP856	Air		6.4	1 hour 13 min	4 hrs 53 min
Chicago Pneumatics	CP860	Air		4.8	2 hrs 10 min	8 hrs 41 min	Chicago Pneumatics	CP860ES	Air		4.8	2 hrs 10 min	8 hrs 41 min
Chicago Pneumatics	CP872	Air		<2.5	8 hrs	> 24 hrs							
Angle Grinders													

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Bosch	GWS 7-115 5"	110V		5	2 hrs	8 hrs	Chicago Pneumatic	CP854E 5"	Air		4.4	2 hrs 35 min	10 hrs 20 min
Chicago Pneumatic	CP854 4"	Air		4.8	2 hrs 10 min	8 hrs 41 min	Chicago Pneumatic	CP857 7"	Air		2.7	6 hrs 52 min	>24 hrs
Dewalt	DW831L	110V		5	2 hrs	8 hrs							
Needle Guns													
Trelawny	1B 12 needles	Air		8.5	42 min	2 hrs 46 min	Trelawny	2B 19 needles	Air		9.3	35 min	2 hrs 19 min
Trelawny	2BPG 19 needles	Air		12.6	19 min	1 hour 16 min	Trelawny	3B 28 needles	Air		12.2	20 min	1 hour 21 min

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Trelawny	3BPG 28 needles	Air		18.9	8 min	0 hrs 34 min	Trelawny	VL303 28 needles	Air		2.3	9 hrs 23 min	> 24 hrs
Drills													
Bosch	GBH24VR	Cordless 24V		11	25 min	1 hour 39 min	Chicago Pneumatics	CP7300 1/4" Chuck	Air		< 2.5	8 hrs	> 24 hrs
Chicago Pneumatics	CP 784 3/8" Chuck	Air		< 2.5	8 hrs	> 24 hrs	Chicago Pneumatics	CP785 3/8" Chuck	Air		< 2.5	8 hrs	> 24 hrs
Chicago Pneumatics	CP785QC 3/8" Chuck	Air		< 2.5	8 hrs	> 24 hrs	Chicago Pneumatics	CP789HR 1/2" Chuck	Air		< 2.5	8 hrs	> 24 hrs

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Chicago Pneumatics	CP785H 1/2" Chuck	Air		<2.5	8 hrs	> 24 hrs	Dewalt	DW006	Cordless 24V		6.1	1 hour 21 min	5 hrs 22 min
Hilti	TE55	110V		11	25 min	1 hour 39 min	Hilti	TE104	110V		9	37 min	2 hrs 28 min
Rotabroach				11	25 min	1 hour 39 min							

PAT ROPE ACCESS SERVICES

TOOL USE LOG SHEET

LOG EXPOSURE TIME FOR SPECIFIC TOOLS IF REQUIRED

Client	Job No
Location	
Job	

TOOL OPERATOR NAME	TOOL DETAILS TYPE MAKE & MODEL SERIAL No	DAILY LIMIT FOR THIS TOOL (Hours Mins)	/ / /				/ / /				/ / /				/ / /				/ / /				/ / /														
			MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY				SATURDAY				SUNDAY										
			Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL	Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL	Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL	Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL	Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL	Hours:Mins 1	Hours:Mins 2	Hours:Mins 3	DAY TOTAL											
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