

Simple Risk Ranking Matrix

(For estimating relative risk and ranking numerically)

SEVERITY OF HARM				
LIKELIHOOD OF HARM		MINOR (1)	MEDIUM (2)	HIGH (3)
	LOW (1)	1	2	3
	MED (2)	2	4	6
	HIGH (3)	3	6	9

Quantitative

The severity of harm

3 - MAJOR (Death, Major Illness causing long term disability)

2 - SERIOUS (Illness or injuries causing short term disability)

1 - SLIGHT


The likelihood of harm

3 - HIGH (Certain/near certain that harm will occur)

2 - MEDIUM (Where harm will often occur)

1 - LOW (Where harm will seldom occur)

MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999 RISK ASSESSMENT

ASSESSMENT REFERENCE NO	RRA021	DESCRIPTION OF TASK TO BE CARRIED OUT:								
NAME OF ASSESSOR	N.Lewis / K.Rickards	<p>The following risk assessment looks at the hazards and controls involved with the erection of the PORTA-GANTRY 5000. The risk assessment was carried out on the manufacturing site, during an erection of the PORTA-GANTRY 5000. The conditions were stable at the time of observation, the area was clear of obstruction, the weather was dry and the flooring was stable and even.</p> <p>Please use this risk assessment as a guide only, all customers must complete their own method statement and risk assessment to suit the environment in which the equipment is being used.</p>								
OTHER PERSONS INVOLVED IN RISK ASSESSMENT	N/A									
DATE OF ASSESSMENT	10/04/2017									
MANAGERS AUTHORISATION										
REVIEW DATE	10/04/2018									
		WITHOUT CONTROLS			IF CONTROLS ARE IN PLACE					
WHAT ARE THE HAZARDS ?	WHO MIGHT BE HARMED AND HOW?	Likelihood	Severity	Risk Rating	WHAT CONTROLS ARE IN PLACE?	Likelihood	Severity	Risk Rating	WHAT ADDITIONAL CONTROLS ARE REQUIRED ?	PROCESS STEPS INVOLVED?
Physical Hazard :- Movement of heavy equipment in position.	<p>WHO:- The personnel lifting parts of the PORTA-GANTRY 5000</p> <p>HOW:- Incorrectly lifting without help causing muscular strain</p>	3	2	6	<ul style="list-style-type: none"> The use of correct manual handling techniques will control the risk of muscular strain. Personnel should be clear of what manual handling techniques to use. Communication between personnel ensuring everyone is clear of task, lifting together. 	1	2	2	No additional control are required.	<ol style="list-style-type: none"> Unloading equipment Assembly of the A-Frames Movement of beam to fit A-Frames Movement of A-Frames Lifting and fitting trolley to the A-Frame
Physical Hazard :- Lifting of equipment when assembled.	<p>WHO:- The personnel scissoring up the A-Frames</p> <p>HOW:- Lifting a large load alone causing muscular strain</p>	3	2	6	<ul style="list-style-type: none"> Three to Four man lift to erect second side of the PORTA-GANTRY 5000 (Scissor up), using correct manual handling techniques. Communication between personnel ensuring everyone is clear of task, lifting together. The option is available to erect the PORTA-GANTRY 5000 mechanically, eliminating the risk of muscular strain. The mechanical options are using a forklift to lift the beam or a chain hoist to lift the A-Frames into position. 	1	1	1	No additional controls are required. Customers are encouraged assess the manual handling impacts on their own site to determine how many individuals the lifts will require.	<ol style="list-style-type: none"> Scissor up the A-Frame

Physical Hazard :- Equipment Nip Points	WHO:- The personnel lifting and fitting parts of the <i>PORTA-GANTRY 5000</i> HOW: - Catching fingers and/or hands in equipment nip points	2	2	4	<ul style="list-style-type: none"> The O&M and video sequence clearly demonstrate how to erect the equipment to ensure no fingers are trapped. There is hazard tape along the beam where potential nip points could be present to alert personnel erecting the equipment. Training of personnel 	1	1	1	N/A	<ol style="list-style-type: none"> Assemble A-Frames Adjust height of the A-Frame for beams. Position beams (either to A Frame or over Engine) Scissor up A-Frame
Physical Hazard: - Bolts insertion	WHO:- The personnel assembling parts of the <i>PORTA-GANTRY 5000</i> HOW: - Forcing bolts into place causing hand injuries	2	2	4	<ul style="list-style-type: none"> The use of cut proof safety gloves will protect hands when placing bolts into place. The O&M and video demonstrate how to place bolts in place correctly. Training of personnel 	1	1	1	Providing the customer follows the instructions given by Reid Lifting, there is no requirement for any further controls.	<ol style="list-style-type: none"> Fitting beam to the A-Frame (Including chain hoist)
Physical Hazard: - Falling Equipment	WHO:- The personnel lifting and assembling parts of the <i>PORTA-GANTRY 5000</i> HOW: - Dropping equipment when moving into place.	2	3	6	<ul style="list-style-type: none"> Follow the O&M and instructional videos to ensure the task is carried out correctly. Unless absolutely necessary, all work should be carried out at ground or shoulder level. Ensure appropriate safety headwear is worn when erecting the <i>PORTA-GANTRY 5000</i> All personnel must vacate the immediate workspace when working at height is in progress. 	1	1	1	No additional control are required.	<ol style="list-style-type: none"> Tighten bolts in beam on cheek plate.
Physical Hazard: - Working at Height	WHO:- The personnel climbing a ladder to affix sections of the <i>PORTA-GANTRY 5000</i> together. HOW: - Falling from a ladder.	2	2	4	<ul style="list-style-type: none"> Appropriate safety headwear must be worn when working at height. Use a stepladder or platform ladder of appropriate height and in good working condition. Maintain three points of contact when working on the ladder. If two hands are required, use feet and body. Follow correct stepladder and platform ladder safety procedures when working at height Additional personnel can be used to observe those on the step ladder or platform ladder, ensuring all safety precautions are met. 	1	1	1	<ul style="list-style-type: none"> Customers are encouraged to ensure that the working environment is appropriate for working at height, i.e. Weather conditions, workspace flooring as all may have an impact on the hazard rating. 	<ol style="list-style-type: none"> Scissor up A-Frame Tighten bolts in beam cheek plates