

# Manual Handling Risk Assessment Control Sheets


Version one, dated September 2018

Important - The single page control sheets in this document are not risk assessments, they are a record of the controls derived from the risk assessment.


Click on page number in right-hand column to view control sheet or scroll through document.


Equipment	Risk Assessment reference No.	Control Sheet Page No.
Geismar AC1 spike puller	MandWD 31_ Geismar AC1 spike puller	2
Geismar AP11 Clipper	MandWD 16_ Geismar AP11 Clipper	3
Geismar AP11 S6 Lightweight Clipper	MandWD 17_ Geismar AP11 S6 Lightweight Clipper	4
Geismar AP21 Clipper	MandWD 18_ Geismar AP21 Clipper	5
Geismar ESN 3H MkII Weld Shear	MandWD 19_ Geismar ESN 3H MkII Weld Shear	6
Geismar JB40 Rail Bender	MandWD 20_ Geismar JB40 Rail Bender	7
Geismar MC3 Grinder	MHIP-WAL-0006	8
Geismar MLC Grinder	MandWD 21_ Geismar MLC Grinder	9
Geismar MP12 Electric Grinder	MHIP-WAL-0005	10
Geismar MP12 Grinder (no anti-vibration)	MHIP-WAL-0005	11
Geismar MP12 Grinder (with anti-vibration)	MHIP-WAL-0005	12
Geismar MP23 Grinder	MandWD 22_ Geismar MP23 Grinder	13
Geismar MP23 9-HP Grinder	MandWD 23_ Geismar MP23 9-HP Grinder	14
Geismar MS9 Grinder	MandWD 24_ Geismar MS9 Grinder	15
Geismar MV3 Grinder	MHIP-WAL-0005	16
Geismar TB2 Coach Screwing Machine	MandWD 25_ Geismar TB2 Coach Screwing Machine	17
Permaquip Lightweight Ironman	MHIP-LNW-0010	18
Permaquip Stressing Half Set	MHIP-LNW-0003	19
Robel 13.48 GX270 Grinder	MHIP-WESSEX-0011	20
Robel 13.48-04 Grinder	MHIP-WESSEX-0011	21
Robel 13.61 S&C Grinder	MandWD 26_ Robel 13.61 S&C Grinder	22
Robel 24.70 Hydraulic Rail Stressor (non 3 <sup>rd</sup> rail)	MandWD 27_ Robel 24.70 Hydraulic Rail Stressor (non 3 <sup>rd</sup> rail)	23
Robel 24.70 Hydraulic Rail Stressor (DC areas)	MandWD 28_ Robel 24.70 Hydraulic Rail Stressor (DC areas)	24
Robel 30.82 Universal Power Wrench inc RKS	MandWD 29_ Robel 30.82 Universal Power Wrench inc RKS	25
Robel 34.01 Fast Clipper	MandWD 30_ Robel 34.01 Fast Clipper	26

Please contact Mike Carey, Head of Ergonomics with any queries [Mike.CAREY@networkrail.co.uk](mailto:Mike.CAREY@networkrail.co.uk)

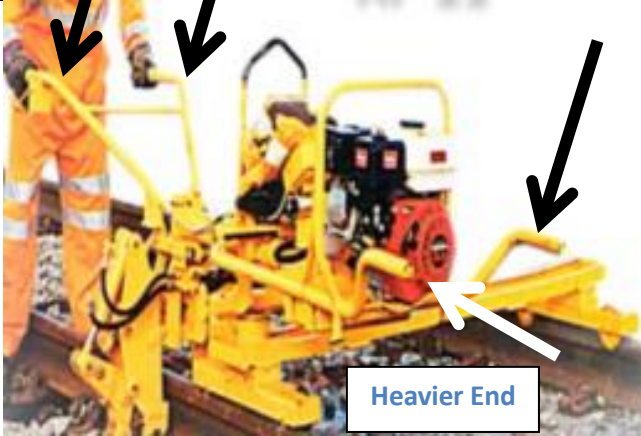
NR Ref no.	MHRAC Geismar AC1 Spike Puller	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Geismar AC1 Spike Puller	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 82Kg minimum of three persons for each section</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, lifting eye</p> <p><b>Are there lifting/moving/carrying aids available?</b> – Yes, lifting eye for hoist</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution</p>
<b>Product Acceptance number</b> – Grandfather rights apply	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate task between competent personnel</li> <li>Assemble/disassemble with traverse trolley at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of three persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC Geismar API I Clipper	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model – Geismar AP11 Clipper	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 148Kg minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> – Yes, lifting eye for hoist</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution</p>
<b>Product Acceptance number</b> – Grandfather rights apply	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First options	<ul style="list-style-type: none"> <li>Use alternative equipment – Use the AP11 S6 lightweight version</li> <li>Use forklift in depot and crane/hoist at site to handle kit i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Rotate task between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of four persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>


NR Ref no.	MHRAC Geismar API I S 6 Lightweight Clipper	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Geismar AP11 S 6 Lightweight Clipper	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 98Kg minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - Yes, lifting eye</p>
<b>Product Acceptance number</b> – PA05/02444	<b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down stairs or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate task between competent personnel</li> <li>Assemble and disassemble transverse arm at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of four persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

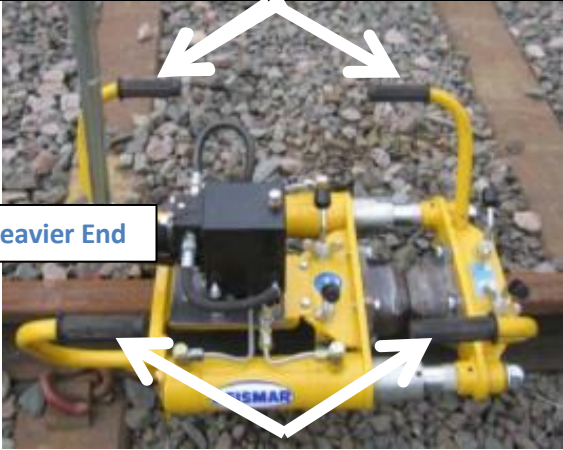
NR Ref no.	MHRAC Geismar AP21 Clipper	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


Model - Geismar AP21 Clipper	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 140Kg minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - Yes, lifting eye</p>
<p><b>Product Acceptance number</b> – Grandfather rights apply</p>	<p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution</p>
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Where possible always use both hands to handle</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of four persons always involved and one person in control of team Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height, to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC Geismar ESN 3H MkII Weld Shear	
Assessment date	02 August 2018 – review August 2020	

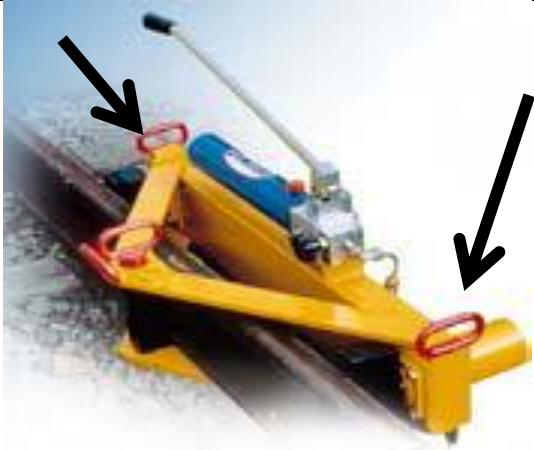
## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


MODEL - GEISMAR ESN 3H MKII VERTICAL GRINDER	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 58Kg – minimum two persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – Yes, two pairs of handles (see arrows left)</p> <p>Are there lifting/moving/carrying aids available? - NO</p>
Product Acceptance number – PA05/03703	Is the equipment awkward to carry? Yes, uneven weight distribution
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Always use both hands to handle where possible</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of two persons always involved and one person in control of team Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height, to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>



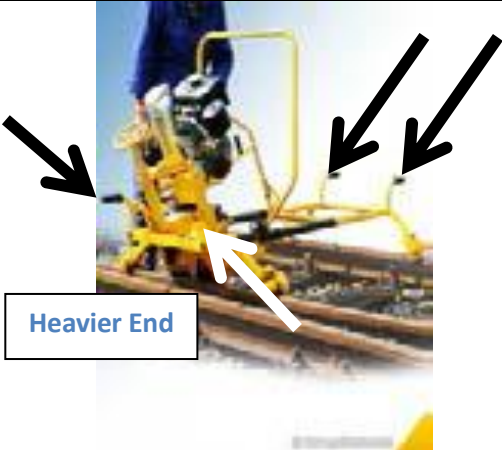
NR Ref no.	MHRAC Geismar JB40 Rail Bender	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


MODEL - GEISMAR JB40 HORIZONTAL RAIL BENDER	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 58Kg – minimum two persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - NO</p>
	<p><b>Product Acceptance number</b> – Grandfather rights apply</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution</p>
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate task between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of two persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC Geismar MC3 Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


MODEL - GEISMAR MC3 FROG & CHECK RAIL GRINDER	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 115 Kg – minimum four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> – YES, refer to options below</p>
<b>Product Acceptance number</b> – PA05/03349	<b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use in conjunction with MV3/MC3 transportation conversion wheels PA05/04336</li> <li>Always use Spinner to turn grinder when on track</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Always use both hands to handle</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned team handling with a minimum of four persons always involved and one person in control of team</li> <li>Plan a team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>




NR Ref no.	MHRAC Geismar MLC Grinder	
Assessment date	16 July 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - GEISMAR MLC GRINDER	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 106Kg Dry – minimum four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, handles</b> (see arrows left)</p> <p>Are there lifting/moving/carrying aids available? - <b>YES, refer to options below</b></p>
Product Acceptance number – <b>PA05/01131</b>	Is the equipment awkward to carry? <b>Yes, uneven weight distribution</b>
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use alternative equipment where available – Use the Geismar MV3 grinder</li> <li>Use in conjunction with MV3/MC3 transportation conversion wheels PA05/04336</li> <li>Always use Spinner to turn grinder when on track</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Assemble/disassemble outrigger arm to MP12 where needed at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of four persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC MPI2 Electric Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - GEISMAR MPI2 ELECTRIC RAIL PROFILE GRINDER	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 66.5 Kg – minimum two persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, two handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - NO</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handling points</p>
<b>Product Acceptance number</b> – PA05/01517	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use alternative equipment – Use the Robel 13.49 grinder where available, which has been designed specifically to replace the MP12</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Assemble/disassemble outrigger arm to MP12 where needed at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned team handling with a minimum of two persons and one person in control of the team.</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC MPI2 Grinder (no anti-vibration)	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

<b>MODEL - GEISMAR MPI2 RAIL PROFILE GRINDER WITHOUT ANTIVIBRATION HANDLE</b>	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 70 Kg Dry – minimum two persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, two handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - NO</p>
	<p><b>Product Acceptance number</b> – PA05/01517</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handling points</p>
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>• This equipment must not be used without anti-vibration handles fitted</li> <li>• Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>• Use alternative equipment – Use the Robel 13.49 grinder where available, which has been designed specifically to replace the MP12</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>• Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>• Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>• Rotate handling between competent personnel</li> <li>• Assemble/disassemble outrigger arm to MP12 where needed at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>• Pre-planned team handling with a minimum of two persons and one person in control of the team.</li> <li>• Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>• Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>• PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>• Check labels on machine</li> </ul>


NR Ref no.	MHRAC MPI2 Grinder (with anti-vibration)	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


<b>MODEL - GEISMAR MPI2 RAIL PROFILE GRINDER WITH ANTI-VIBRATION HANDLE</b>	
 <p><b>Heavier End</b></p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 70.7 Kg Dry – minimum two persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, two handles (see arrows left)</b></p> <p>Are there lifting/moving/carrying aids available? - <b>NO</b></p> <p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handling points</b></p>
<b>Product Acceptance number – PA05/01517</b>	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use alternative equipment – Use the Robel 13.49 grinder where available, which has been designed specifically to replace the MP12</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Assemble/disassemble outrigger arm to MP12 where needed at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned team handling with a minimum of two persons and one person in control of the team.</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC MP 23 Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - GEISMAR MP23 RAIL PROFILE GRINDER PETROL AND DIESEL	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 104 Kg – minimum four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – Yes, four handles (see arrows left)</p> <p>Are there lifting/moving/carrying aids available? – NO</p>
Product Acceptance number – PA05/02343	Is the equipment awkward to carry? Yes, uneven weight distribution, poor handles
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Where possible always use both hands to handle</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of four persons always involved and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>




NR Ref no.	MHRAC Geismar MP 23 Grinder	
Assessment date	02 August 2018 – review August 2020	

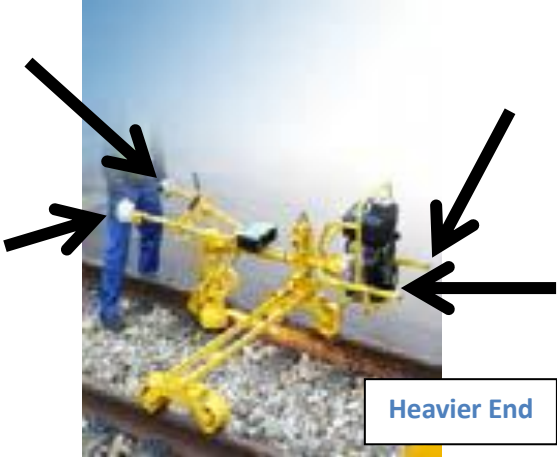
## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


MODEL - GEISMAR MP23-9 HP RAIL PROFILE GRINDER	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 104 Kg – minimum four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, four handles (see arrows left)</b></p> <p>Are there lifting/moving/carrying aids available? – <b>NO</b></p>
Product Acceptance number – PA05/02343	Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b>
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>• Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>• Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>• Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>• Where possible always use both hands to handle</li> <li>• Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>• Pre-planned handling with a minimum of four persons always involved and one person in control of team</li> <li>• Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>• Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>• PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>• Check labels on machine</li> </ul>




NR Ref no.	MHRAC Geismar MS9 Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - GEISMAR MS9 RAIL WEB GRINDER	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 115 Kg – minimum four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, four handles (see arrows left)</b></p> <p>Are there lifting/moving/carrying aids available? – <b>Yes, lifting eye for hoist</b></p> <p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b></p>
<b>Product Acceptance number – PA05/03267</b>	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First Option	<ul style="list-style-type: none"> <li>Lift with hoist, equipment fitted with lifting eye</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Where possible always use both hands to handle</li> <li>Rotate handling between competent personnel</li> <li>Assemble/disassemble outrigger arm at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned team handling with a minimum of four persons always involved and one person in control of team Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

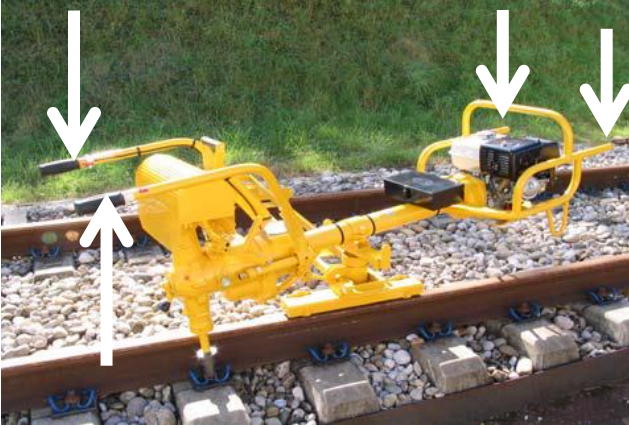
NR Ref no.	MHRAC Geismar MV3 Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - GEISMAR MV3 VERTICAL GRINDER	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 132 Kg – minimum four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, four handles (see arrows left)</b></p> <p>Are there lifting/moving/carrying aids available? <b>Yes – see first option below</b></p>
	<p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b></p>
Product Acceptance number – <b>PA05/02344</b>	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Always use in conjunction with MV3/MC3 transportation conversion wheels PA05/04336 in depot, and wherever else possible to minimize manual handling</li> <li>Always use Spinner PA05/04336 to turn grinder when on track</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Open gates, lock motor, and check handle sleeves for splits and wear before use</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Always use both hands to handle where possible</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned team handling with a minimum of four persons always involved and one person in control of team</li> <li>Plan a team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

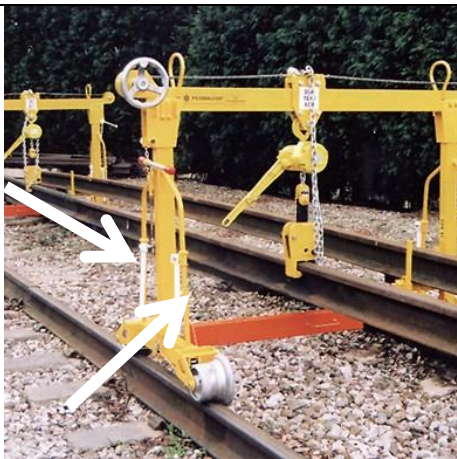
NR Ref no.	MHRAC Geismar TB2 Coach Screwing Machine	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Geismar TB2 Coach Screwing Machine	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> TB2 100Kg, trolley 37Kg, (total 137Kg) minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> - NO</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution</p>
Product Acceptance number – PA05/05611	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Always use both hands to handle where possible</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of two persons always involved and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height, to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>


NR Ref no.	MHRAC Permaquip Ironman (lightweight)	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


MODEL - PERMAQUIP LIGHTWEIGHT IRONMAN	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> Assembled = 112Kg – minimum four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes</p> <p><b>Are there lifting/moving/carrying aids available?</b> - NO</p>
<b>Product acceptance number</b> – PA05/05780	<b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handles
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use RRV</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Rotate handling between competent personnel</li> <li>Assemble/disassemble at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of four persons always involved and one person in control of the team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

NR Ref no.	MHRAC Permaquip Stressing Half Set	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - PERMAQUIP STRESSING HALF SET	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b>  Jaw = 64.5kg  Ram = 41.5kg  Assembled = 275kg  minimum two persons for each element greater than 26kg</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes</b></p> <p>Are there lifting/moving/carrying aids available? – <b>Yes, refer to first option below</b></p> <p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b></p>
<b>Product Acceptance number – 0094/001196</b>	
CONTROLS	
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit in storage box (Lawton Tools 0111/105573) i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Assemble/disassemble at site of work and handle parts separately using both hands where possible</li> <li>Parts must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of two persons always involved and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as the parts of this tool are awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces within storage box</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>




NR Ref no.	MHRAC Robel 13.48 GX270 Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


Model - Robel 13.48 GX270 Petrol Grinder	
 <p>Heavier End</p>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 113Kg minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> – Yes, lifting eye for hoist</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handles</p>
<b>Product Acceptance number – PA05/05075</b>	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use alternative equipment – Use the Robel 13.49 grinder where available, which has been designed specifically to replace the 13.48</li> <li>Lift with hoist, equipment fitted with lifting eye</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Where possible always use both hands to handle</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of four persons always involved and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>



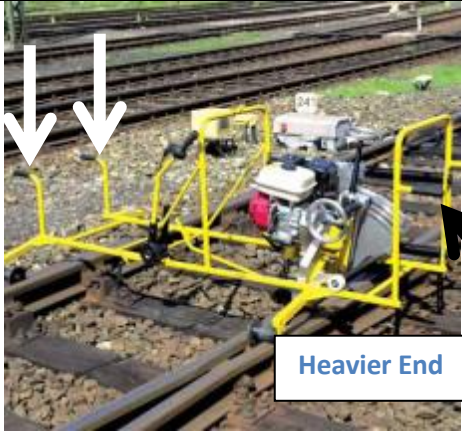
NR Ref no.	MHRAC Robel 13.48/04 Grinder	
Assessment date	16 July 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Robel 13.48/04 Diesel Grinder	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 156Kg minimum of four persons</p> <p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes, four handles (see arrows left)</p> <p><b>Are there lifting/moving/carrying aids available?</b> – Yes, lifting eye for hoist</p>
<b>Product Acceptance number</b> – PA05/02594	<b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handles
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First options	<ul style="list-style-type: none"> <li>Use alternative equipment – Use the Robel 13.49 grinder where available, which has been designed specifically to replace the 13.48</li> <li>Lift with hoist, equipment fitted with lifting eye</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Must only be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Where possible always use both hands to handle</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of four persons always involved and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>


NR Ref no.	MHRAC Robel 13.61 S&C Grinder	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Robel 13.61 S&C Grinder	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 87.4Kg minimum of four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes, four handles (see arrows left)</b></p> <p>Are there lifting/moving/carrying aids available? - <b>NO</b></p> <p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b></p>
Product Acceptance number – <b>PA05/02595</b>	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Rotate task between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of four persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces with adequate access to the sides, preferably between knee and elbow height to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

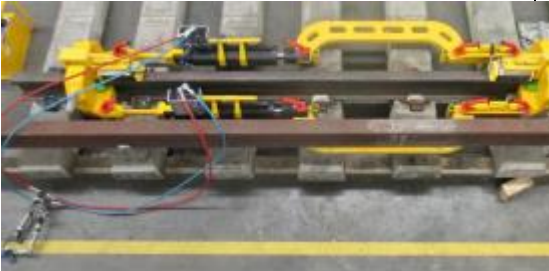
NR Ref no.	MHRAC Robel 24.70 Hydraulic Rail Stressor	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

MODEL - ROBEL 24.70 HYDRAULIC RAIL STRESSOR (NON 3RD/4TH RAIL AREAS)	
	<p><b>Handling Activity – Loading and unloading from road vehicles and use on track</b></p> <p><b>Weight:</b></p> <ul style="list-style-type: none"> <li>Hydraulic hand pump = 55kg</li> <li>Power pack = 67kg</li> <li>Heaviest component = 33kg</li> <li>Total weight = 198kg</li> </ul> <p>Minimum TWO persons for each part? greater than 26kg</p> <p>Are there carrying handles/lifting points attached to this equipment? – <b>Yes</b></p>
<p><b>Product Acceptance number</b></p> <p><b>PA05/06065</b></p>	<p>Are there lifting/moving/carrying aids available? – <b>Yes, refer to first option below</b></p> <p>Is the equipment awkward to carry? <b>Yes, uneven weight distribution, poor handles</b></p>
CONTROLS	
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit in storage box (Lawton Tools 0111/105573) i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>Assemble/disassemble at site of work and handle parts separately using both hands where possible</li> <li>Parts must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate handling between competent personnel</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned handling with a minimum of two persons and one person in control of team</li> <li>Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces within storage box</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>

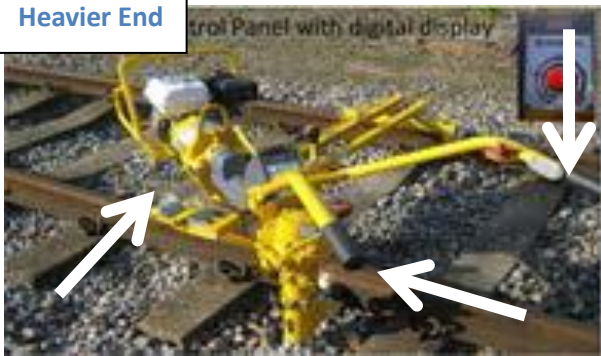
NR Ref no.	MHRAC Robel 24.70 Hydraulic Rail Stressor	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED


<b>MODEL - ROBEL 24.70 HYDRAULIC RAIL STRESSOR (DC AREAS)</b>	
	<p><b>Handling Activity</b> – – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b></p> <ul style="list-style-type: none"> <li>• 2 clamping units (yoke), each 33kg,</li> <li>• 2 hydraulic cylinders, each 26kg</li> <li>• 4 lever arms with jaws, each 13kg</li> <li>• 4 centering blocks (incl. spacer plates), each 3.5kg</li> <li>• 2 working yokes (horse shoes), each 49kg</li> <li>• 2 drawbars, each 400 Ø 100 10kg</li> </ul> <p>Minimum <b>two</b> persons for each part greater than 26kg</p>
<p><b>Product Acceptance number</b></p> <p><b>PA05/06065</b></p>	<p><b>Are there carrying handles/lifting points attached to this equipment?</b> – Yes</p> <p><b>Are there lifting/moving/carrying aids available?</b> – Yes, refer to first option below</p> <p><b>Is the equipment awkward to carry?</b> Yes, uneven weight distribution, poor handles</p>
<b>CONTROLS</b>	
First option	<ul style="list-style-type: none"> <li>• Use forklift in depot and crane/hoist at site to handle kit in storage box (Lawton Tools 0111/105573) i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>• Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance; open gates before you handle</li> <li>• Assemble and disassemble at site of work and handle parts separately using both hands where possible</li> <li>• Parts must only be lifted and carried over short distances e.g. 10 metres then rest</li> <li>• Rotate handling between competent personnel Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>• Pre-planned handling with a minimum of two persons and one person in control of team</li> <li>• Plan team handling matching each individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>• To be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc. where possible.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• To be stored on flat level surfaces within storage box</li> </ul>
PPE	<ul style="list-style-type: none"> <li>• PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>• Check labels on machine</li> </ul>

NR Ref no.	MHRAC Robel 30.82 Universal Power Wrench	
Assessment date	02 August 2018 – review August 2020	


## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

<b>MODEL - ROBEL 30.82 UNIVERSAL POWER WRENCH INCLUDING RKS (DIGITAL DISPLAY) VERSION</b>	
<div> <div>Heavier End</div>  </div>	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> Machine = 84Kg, Transverse carriage &amp; fail safe brake = 50kg – Combined = 134Kg - Minimum two persons for each part? greater than 25kg</p> <p>Are there carrying handles/lifting points attached to this equipment? – Yes, see arrows left)</p> <p>Are there lifting/moving/carrying aids available? - lifting eye for hoist</p> <p>Is the equipment awkward to carry? Yes, uneven weight distribution, poor handling points</p>
Product Acceptance number – PA05/04690	
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Use forklift in depot and crane/hoist at site to handle kit i.e. transport the equipment mechanically to minimise manual handling</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 10 metres then rest</li> <li>Rotate task between competent personnel</li> <li>Assemble/disassemble at site of work and handle parts separately using both hands where possible</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of two persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>



NR Ref no.	MHRAC Robel 34.01 Fast Clipper	
Assessment date	02 August 2018 – review August 2020	

## MANUAL HANDLING RISK ASSESSMENT CONTROLS TO BE APPLIED

Model - Robel 34.01 Fast Clipper	
	<p><b>Handling Activity</b> – Loading and unloading from road vehicles and use on track</p> <p><b>Weight:</b> 180Kg minimum of four persons</p> <p>Are there carrying handles/lifting points attached to this equipment? – Yes, (see arrows left)</p> <p>Are there lifting/moving/carrying aids available? – Yes, hoist</p>
Product Acceptance number – PA05/02593	Is the equipment awkward to carry? Yes, uneven weight distribution, poor handles
CONTROLS	
PROHIBITED	<ul style="list-style-type: none"> <li>Not to be carried up or down staircases or on and off station platform edges</li> </ul>
First option	<ul style="list-style-type: none"> <li>Lift with hoist, equipment fitted with lifting eye</li> </ul>
Reduce exposure to risks	<ul style="list-style-type: none"> <li>Vehicle to be parked as close as possible to reduce carry distance e.g. in depot/access gate to minimise carry distance</li> <li>Must be lifted and carried over short distances e.g. 5 metres then rest</li> <li>Rotate task between competent personnel</li> <li>Assemble/disassemble outrigger arm at site of work</li> </ul>
Competence and capability	<ul style="list-style-type: none"> <li>Pre-planned with a minimum of four persons always involved in the lift</li> <li>Plan a team lift based on individual's capabilities as this tool is awkward to hold and carry</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Only to be mechanically loaded or unloaded on to vehicles e.g. using a hydraulic crane, tail-lift or ramp etc.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>To be stored on flat level surfaces to enable easy transfer to and from vehicle</li> </ul>
PPE	<ul style="list-style-type: none"> <li>PPE must include suitable gloves that maintain feel and grip of load</li> </ul>
Additional Information	<ul style="list-style-type: none"> <li>Check labels on machine</li> </ul>