⚠ WARNING

General Machinery Safety Instructions

Machinery House
requires you to read this entire Manual before using this machine.

1. **Read the entire Manual before starting machinery.** Machinery may cause serious injury if not correctly used.
2. **Always use correct hearing protection when operating machinery.** Machinery noise may cause permanent hearing damage.
3. **Machinery must never be used when tired, or under the influence of drugs or alcohol.** When running machinery you must be alert at all times.
4. **Wear correct Clothing.** At all times remove all loose clothing, necklaces, rings, jewelry, etc. Long hair must be contained in a hair net. Non-slip protective footwear must be worn.
5. **Always wear correct respirators around fumes or dust when operating machinery.** Machinery fumes & dust can cause serious respiratory illness. Dust extractors must be used where applicable.
6. **Always wear correct safety glasses.** When machining you must use the correct eye protection to prevent injuring your eyes.
7. **Keep work clean and make sure you have good lighting.** Cluttered and dark shadows may cause accidents.
8. **Personnel must be properly trained or well supervised when operating machinery.** Make sure you have clear and safe understanding of the machine you are operating.
9. **Keep children and visitors away.** Make sure children and visitors are at a safe distance for you work area.
10. **Keep your workshop childproof.** Use padlocks, Turn off master power switches and remove start switch keys.
11. **Never leave machine unattended.** Turn power off and wait till machine has come to a complete stop before leaving the machine unattended.
12. **Make a safe working environment.** Do not use machine in a damp, wet area, or where flammable or noxious fumes may exist.
13. **Disconnect main power before service machine.** Make sure power switch is in the off position before re-connecting.
14. **Use the Correct Extension Lead.** Extension leads should be avoided where possible but If required, always use an extension lead that is rated for the power requirements of your machinery. Using an incorrectly rated extension lead can lead to overheating, damage to machinery, or potential fire hazards. Ensure leads are in good condition and free of damage. Replace if faulty.
15. **Keep machine well maintained.** Keep blades sharp and clean for best and safest performance. Follow instructions when lubricating and changing accessories.
16. **Keep machine well guarded.** Make sure guards on machine are in place and are all working correctly.
17. **Do not overreach.** Keep proper footing and balance at all times.
18. **Secure workpiece.** Use clamps or a vice to hold the workpiece where practical. Keeping the workpiece secure will free up your hand to operate the machine and will protect hand from injury.
19. **Check machine over before operating.** Check machine for damaged parts, loose bolts, Keys and wrenches left on machine and any other conditions that may effect the machines operation. Repair and replace damaged parts.
20. **Use recommended accessories.** Refer to instruction manual or ask correct service officer when using accessories. The use of improper accessories may cause the risk of injury.
21. **Do not force machinery.** Work at the speed and capacity at which the machine or accessory was designed.
22. **Use correct lifting practice.** Always use the correct lifting methods when using machinery. Incorrect lifting methods can cause serious injury.
23. **Lock mobile bases.** Make sure any mobile bases are locked before using machine.
24. **Allergic reactions.** Certain metal shavings and cutting fluids may cause an ellergic reaction in people and animals, especially when cutting as the fumes can be inhaled. Make sure you know what type of metal and cutting fluid you will be exposed to and how to avoid contamination.
25. **Call for help.** If at any time you experience difficulties, stop the machine and call you nearest branch service department for help.

⚠ WARNING

Girder Clamp & Push Girder Trolleys Safety Instructions

Machinery House
requires you to read this entire Manual before using this machine.

1. **I-Beam Load Assessment.** Before installation, ensure a qualified structural engineer confirms that the I-beam is capable of supporting the maximum rated load of the Girder Clamp or Push Girder Trolley. Verify that the beam is properly secured and supported along its length, with adequate intermediate supports as required.

2. **Equipment Maintenance.** Ensure that the Girder Clamp and Push Girder Trolley are in good working condition prior to use. Never operate units that show signs of damage, excessive wear, or structural cracks. Perform routine maintenance as per the manufacturer's recommendations. Check for issues such as worn wheels, bent frames, or faulty locking mechanisms, and replace defective parts immediately.

3. **Crushing Hazard.** Never position yourself or others beneath the clamp, trolley, or suspended load. These products are heavy and pose a significant crushing hazard if mishandled. Always use proper lifting technique and get assistance when installing or removing the equipment to avoid personal injury.

4. **Work Area Awareness.** Remain alert to your surroundings and ensure the work area is clear of unnecessary personnel. Inform nearby workers of any lifting operations and maintain a designated exclusion zone to prevent accidental contact or injury.

5. **Safe Use & Load Limits.** Never exceed the Working Load Limit (WLL) of the Girder Clamp or Push Girder Trolley. Overloading can lead to structural failure and serious injury. Always use certified and rated lifting slings, chains, and hoists, and ensure that the load is applied vertically with no side loading or angular force.

6. **Warning Labels.** Always observe and comply with all warning labels affixed to the Girder Clamp and Girder Trolley. These labels provide critical safety information and must never be removed, obscured, or tampered with under any circumstances.

7. **Load Securing.** Never use the Girder Clamp or Trolley to suspend or move objects that are not properly secured. Unstable or loosely held loads present a significant risk of dislodging, leading to serious injury or damage.

8. **Safe Operation.** Exercise extreme caution when supporting or traversing long, tall, or wide loads. Do not attempt to suspend loosely stacked or imbalanced items. Ensure all loads are properly aligned and supported and kept as close to the support structure as safely possible to enhance stability. Girder Trolleys must be adjusted to match the beam width and secured according to manufacturer instructions. Do not use trolleys on sloped beams or allow them to move uncontrolled. Only competent personnel should operate lifting equipment and must ensure the load is positioned directly below the clamp or trolley to avoid side loading. Always use rated and certified lifting attachments and ensure the trolley and clamp are not subjected to lateral or angular forces.

9. **General Safety Warnings.** Girder Trolleys and Clamps are industrial tools and must never be used to transport people or be operated near children. Never allow unauthorized or untrained individuals to operate or tamper with the equipment.

10. **Seek Assistance.** When Needed If any difficulty or uncertainty arises during installation or operation, cease use immediately and contact your nearest branch or service department for guidance. Operating with uncertainty poses unnecessary risks and should be avoided.

Hazard Identification & Risk Assessment Girder Clamps & Push Girder Trolleys

This risk assessment has been developed with reference to AS 4991 – Lifting Devices, AS 1418.18:2 – Cranes, Hoists and Winches – Part 18: Crane Runways and Monorails, and the Safe Work Australia Model Code of Practice: Managing the Risks of Plant in the Workplace, to ensure compliance with relevant safety standards and industry best practices for the safe use of Girder Trolleys and Girder Clamps.

Hazard Identification	Hazard	Risk Rating (Before Controls)	Controls	Risk Rating (After Controls)	Responsible Person
Incorrect installation	Load dislodgement, trolley/clamp failure	High	Only competent persons to install; follow manufacturer instructions; visual inspection before use	Medium	Operator
Exceeding rated capacity	Structural failure, dropped load	High	Clearly label WLL; train operators on load limits; never exceed rated load	Low	Operator
Poor beam fit / compatibility	Slippage, misalignment, or failure of trolley/clamp	Medium	Match beam flange to equipment specification; visual check for secure fit	Low	Operator
Lack of maintenance	Mechanical failure or jamming	Medium	Periodic maintenance as per manual; keep inspection records	Low	Operator
Use on an inclined beam	Uncontrolled trolley movement	High	Only use on level beams; prohibit use on inclines	Medium	Operator
Side loading / angular forces	Shear failure or dislodgement	High	Ensure load is applied vertically; no angular force permitted	Low	Operator
Insecure attachment of hoist/load	Load detachment during operation	High	Use rated lifting gear; double-check securing pins and fasteners	Low	Operator
Environmental factors	Slip, low visibility	Medium	• Dry, clear floor • Adequate lighting	Low	Operator
Environmental conditions (corrosion, temperature, etc)	Equipment failure	Medium	Use within specified environmental conditions; regular visual checks	Low	Operator
Unauthorised modification	Loss of structural integrity	Medium	No modifications permitted; use OEM parts only	Low	Operator
Inadequate training or supervision	Unsafe use leading to incident	Medium	Provide operator training; restrict use to trained staff only	Low	Operator

The Safe Operation Manual for the Girder Clamps & Push Girder trolley must be read in conjunction with the Safety Instructions and Risk Assessment to ensure proper understanding and safe operation of the equipment.

Risk Matrix

	Insignificant	Minor	Moderate	Major	Severe
Rare	Low	Low	Low	Medium	High
Unlikely	Low	Low	Medium	Medium	High
Possible	Low	Medium	Medium	High	High
Likely	Medium	Medium	High	High	Extreme
Almost Certain	Medium	High	High	Extreme	Extreme

Authorised and signed by:

Safety officer: .....

Safety officer: .....

Revised Date: August 2025