

Safe Operating Procedure

Air Impact Gun

www.rapidhire.net.au

We are located at:
10 Kerryl Street, Kunda Park Qld 4556
Email: info@rapidhire.net.au
Phone: 07 5456 2664



The instructions recommended within this document apply to normal risk conditions. If the Impact Gun is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.







This instruction should be read in conjunction with the Risk Assessment procedure for the Air Impact Gun.

Safety risks:

- Entanglement
- Noise
- Compressed Air

WARNING: Do not wear loose fitted clothing or jewellery and ensure long hair is contained

You must wear this personal protective equipment when doing this task:

Foot Protection	Hearing Protection	High Visibility	Eye Protection	Hand Protection	Dust Mask
					

Pre-Operational Check:

- ✓ Ensure task (e.g. Drawings, instructions, specifications etc) is clearly understood.
- ✓ Use only in designated grinding area – erect screens if necessary.
- ✓ Ensure the safety guards and attachments (including handle) are secure and correctly fitted.
- ✓ Before you inspect any parts, make sure gun is unplugged from the air compressor.
- ✓ Check workspace and walkways to ensure no slip/trip hazards are present. Ensure adequate lighting. Remove any flammable liquids or combustible materials from the near proximity.
- ✓ Secure and support the workpiece using clamps, bench vices, etc.
- ✓ Ensure compressed air line is free from damage.
- ✓ Identify ON/OFF switch and emergency stop button on compressor.
- ✓ Ensure all other employees are clear of the immediate work area.

Safe Operation:

1. Do not use in close proximity to other workers.
2. Start the compressor noting pressure increase and cut-out/cut-in pressure.
3. Listen for any air leaks from any flexible airlines and immediately report if any leaks are observed.
4. When you start up the machine, listen for unusual noises or vibrations.
5. Keep fingers, hands and compressor cord clear of the rotating gun.
6. Check the attachment bit runs true and does not wobble.
7. Never make adjustments while gun is running.
8. Do not lift or drag gun by the air compressor cord.
9. Do not leave air impact gun attached to airline & only use the gun when hand held.
10. Avoid breathing dust – wear suitable dust mask or respirator in dusty areas.
11. Don't over-reach or work at an awkward angle.

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12. Keep your hands and feet away from moving parts at all times.
13. Ensure good housekeeping practices are in place to minimize waste build-up.

Storage & Maintenance:

1. Disconnect machine from air compressor and wrap up and secure air lead.
2. Turn air supply off.

Air Impact Gun Risk Assessment

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Likely Risk Issue	Who/ What may be harmed? (Specific Persons)	What is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Actions Needs to Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Electrocution	Participants Operators Spectators Staff	Severity of Risk (S) – 2 Likelihood of Risk (L) – 2 Overall Risk (S x L) = 4 MEDIUM	<ul style="list-style-type: none"> Operator to check for damaged air lines prior to use Immediately isolate equipment from the main power supply and DO NOT USE Report to Rapid Hire management immediately Ensure compressor is in a well ventilated area and clear of obstruction 	Each hire
Noise	Participants Operators Spectators Staff	Severity of Risk (S) - 2 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 4 MEDIUM	<ul style="list-style-type: none"> Ensure adequate hearing protection is worn 	Each hire
Rotating and moving parts	Participants Operators Spectators Staff	Severity of Risk (S) - 3 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 6 MEDIUM	<ul style="list-style-type: none"> Ensure equipment is maintained and in good condition before use DO NOT USE FAULTY EQUIPMENT. REPORT IMMEDIATELY Use equipment as per manufacturers recommendations All necessary guards & safety devices are in place protecting workers from all moving & rotating parts. “Safe Working Zones” are clearly defined in all work spaces where air impact gun is being used. And protection barriers where required. Operators are required to remove all jewellery, tuck in loose clothing & tie back long hair. Never run the equipment in excess Wear correct PPE 	Each hire
Slips, Trips and falls	Participants Operators Spectators Staff	Severity of Risk (S) - 1 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 3 LOW	<ul style="list-style-type: none"> Wear appropriate footwear Slip resistant flooring is encouraged in workspaces Ensure appropriate cleaning and housekeeping practices are maintained to minimise the risk of slips, trips and falls 	Each hire

Calculation of Risk Evaluation

Severity of Risk (S) is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

Risk Likelihood (L) - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

Overall Risk is calculated by multiplying the figure for Severity (S) and Likelihood (L).

The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

NB This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.