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B FASCO[®]
A BECK brand

SAFETY MANUAL

GAS TOOLS



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1. WARNINGS AND PROTECTIVE EQUIPMENT



- Read and understand safety instructions and tool labels before connecting, disconnecting, loading, operating, maintaining, changing accessories on or working near the tool. Failure to do so can result in serious injury. Do not use tools that do not have warning and/or danger labels.



- Operators and others in the work area must wear impact-resistant eye protection with side shields. Failure to wear approved complete eye protection can result in serious injury from flying splinters, fasteners or other debris.



- Operators and others in the work area must wear hearing protection. Constant or repeated unprotected exposure to noise may cause permanent hearing loss.



- Wear approved head protection whenever working in an area where overhead work or the operation of other pneumatic fastening tools may pose a potential hazard. Failure to wear approved head protection can result in serious head injury.

2. GENERAL SAFETY RULES

- This tool is designed to drive fasteners as specified in the technical data. The tool is to be used only for fixing these fasteners. Any other use is strictly prohibited.



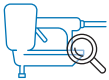
- Keep fingers away from the trigger when not operating the tool or when moving from one operating position to another.
- Always release the trigger completely when the fastening operation has been completed and do not contact or squeeze the trigger again until the tool is positioned on the intended work piece in preparation for the next fastening operation. Unintentional tool operation can result in injury to the tool operator or bystanders.
- Use common sense when operating and stay alert at all times. Do not use any tool when you are under the influence of alcohol, drugs or medication.
- When using the tool, be aware that fasteners can deflect causing injury.
- Never point the tool at yourself or others. Never assume the tool is empty. Always make sure that no one is in the potential path of a flying fastener,

should the fastener break through the work piece and fly freely. A free flying fastener can cause serious injury or blindness to bystanders.

- Keep all body parts such as hands, legs etc. away from firing direction and ensure the fastener cannot penetrate into parts of the body.
- Hold the tool with a firm grasp and be prepared to manage recoil.



- Only technically skilled operators should use the fastener driving tool. In the hands of untrained people tools are dangerous. When not in use, store your tool away safely. Keep it out of reach of children.
- Fastener driving tools with contact actuation shall only be used for production applications that are approved.
- Do not modify the fastener driving tool. Modifications may reduce the effectiveness of safety measures and increase the risks to the operator and/or bystander.
- Do not discard the safety instructions.
- Do not use a tool if it has been damaged.



- Always check the tool before use for broken, disconnected or worn parts, etc.
- Keep bystanders away (when working in an area where there is a likelihood of through traffic of people). Clearly mark off your operating area.



- Do not overreach while operating. Only use in a safe working place. Keep proper footing and balance at all times.
- Only wear gloves that provide adequate feel and safe control of triggers and any adjusting devices.
- Always use the second handle (if supplied).

3. GAS TOOL HAZARDS

3.1. GENERAL GAS TOOL SAFETY WARNINGS

- Do not use gas tools in explosive areas as the sparks generated in the tool may cause fire or explosion. Do not smoke while using or handling the gas tool and fuel cell.
- Gas tools shall only be used with fuel cells which are listed in the operating instructions of the tool, or which have been tested according to ISO 11148-13 by the fuel cell supplier.
- Do not store the tool in temperatures above 50°C /120°F. High temperature can result in explosion or fire and the release of flammable gas. When not in use, keep the tool away from high temperature sources, like direct sun light.
- The tool needs to be used in a well ventilated area. Do not inhale the exhaust gasses or fume, because these are a potential health risk. A small release of gas might be generated by regular operations.
- Keep the tool, fuel, charger and battery out of the reach of children. The gas tool is dangerous in the hand of untrained persons.
- Be careful when using gas tools, as the tool can become hot, effecting grip and control.
- In the case that liquid combustible gas comes into contact with human skin, injuries may occur.

3.2. FUEL CELL SAFETY WARNINGS

- The fuel cell or gas container contains high pressure liquefied gas, which is extremely flammable. Keep it away from sparks, fire, high temperatures, explosive environments and all other possible sources of ignition.
- Read and follow the instructions supplied with the fuel cell. Only use the fuel cells recommended by the manufacturer. Handle fuel cells carefully and check for damages. Damaged gas containers can explode and cause injury.
- Do not puncture the bottle or attempt to open the fuel cell. The fuel cell contains flammable gas even if it appears empty. When the fuel is used up, do not burn the cell. Follow the recycle instructions according to the local law. Do not attempt to recharge the fuel cell.

- Do not expose the fuel cell or tools loaded with a fuel cell to direct sun light. Prevent exposure to temperatures higher than 50°C / 120°F. Overheating the fuel cell can result in explosion or fire.

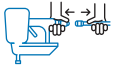
3.3. BATTERY SAFETY WARNINGS

- Use only batteries that are supplied by the manufacturer.
- Recycle the battery according to local law. Do not burn the battery or attempt to puncture or crush it.
- Do not immerse the battery into water or other fluids. Do not expose the battery to rain or snow.
- Do not expose the battery or tools loaded with a battery to direct sun light.
- Prevent exposure to temperatures higher than 50°C / 120°F. Overheating the battery can result in explosion or fire.
- Do not allow direct contact of the battery nodes with metal or conductive material.
- Charge the batteries every 3 months, even if the tool is not used.

3.4. CHARGER SAFETY WARNINGS

- Do not use the charger in an explosive atmosphere. The electrical device is not designed for use in such environment.
- Do not charge the battery outdoors or in temperatures below 5°C / 40°F.
- Do not puncture or attempt to open the battery case or cells.
- Do not immerse the charger into water or other fluids. Do not expose the charger to rain or snow.
- Do not use the charger if the cord is damaged or the charger is defect.
- Unplug the charger by pulling the adaptor unit, not by pulling the cord.
- Do not cover the charger with anything.
- Do not use a step up transformer or engine generator as power source for the charger.
- Charge a new battery for at least 6 hours before using it for the first time.

4. FASTENER HAZARDS



- Be careful when handling fasteners, especially when loading and unloading, as the fasteners have sharp points which could cause injury.

- Disconnect the energy supply to the tool, such as air or gas or battery as applicable, when unloading fasteners, making adjustments, clearing jams or changing accessories.

- During operation be careful that fasteners penetrate material correctly and cannot be deflected/misfired towards the operator and/or bystanders.

- During operation, debris from the workpiece and from fasteners/collation may be discharged.








- Always wear impact-resistant eye protection with side shields during operation of the tool. This regards the operator and bystanders.

- Be careful with tools without workpiece contact as they can be fired unintentionally and injure the operator and/or bystander.




- Ensure the tool is always safely engaged on the workpiece and cannot slip.

- Check the technical data for information on the fasteners, including minimum and maximum diameter, length and fastener characteristics such as gauge and angle.

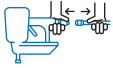
5. OPERATING HAZARDS

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 - Hold the tool correctly: be ready to counteract normal or sudden movements such as recoil.
 - Appropriate safety glasses shall be used and appropriate gloves and protective clothing are recommended. Appropriate hearing protection shall be worn.
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 - Use the correct energy supply as indicated in the technical data.
 - Only use recommended spare parts and accessories. The use of improper parts may create a hazard.
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 - Maintain a balanced body position and secure footing.
 - Never drive fasteners into extremely hard materials or directly on top of other fasteners. The tool may recoil, or the fastener could ricochet away from the intended work piece, causing injury to the operators or bystanders.
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 - Never operate the tool at the edge of a workpiece. The fastener can break through or miss the work piece and fly freely, striking bystanders. Free flying fasteners can also ricochet against hard surfaces, causing injuries.
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 - Never use the tool as a hammer. The sudden impact could shift inner components, resulting in a fastener discharge and injury.
 - Always unload the magazine when fastening has been completed and the tool has been disconnected from the energy supply.

6. REPETITIVE MOTIONS HAZARDS

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 - When using a tool for long periods, the operator may experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.
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 - While using a tool, the operator shall adopt a suitable but ergonomic posture. Maintain secure footing and avoid awkward or off-balanced postures.
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 - If the operator experiences symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness, do not ignore these warning signs. The operator shall consult a qualified health professional regarding overall activities.

7. ACCESSORY AND CONSUMABLE HAZARDS



- Check the technical data for information on appropriate accessories and consumables.
- Disconnect the energy supply to the tool, such as air or gas or battery as applicable, before changing/replacing accessories such as workpiece contact, or making any adjustments.
- Use only the sizes and types of accessories that are provided by the manufacturer.
- Use only lubricants recommended by the tool manufacturer.



- Never attempt to operate a tool if you are unfamiliar with the type of accessory or device the tool is equipped with. Read the appropriate operating instructions or call the tool supplier for assistance.

8. WORKPLACE HAZARDS



- Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by use of the tool and also of trip hazards caused by the airline hoses.
- Proceed with additional care in unfamiliar surroundings. Hidden hazards may exist, such as electricity or other utility lines. This tool is not insulated from coming into contact with electric power.
- Make sure there are no electrical cables, gas pipes etc. that could cause a hazard if damaged by use of the tool.



- Never use the tool in the presence of flammable materials or flammable vapours. A spark from the tool could ignite the flammable substance, causing a fire or explosion.
- Wear warm clothing when working in cold conditions, keep your hands warm and dry. Be careful as the tool could become cold, affecting grip and control.

9. DUST AND EXHAUST HAZARDS



- If the tool is used in an area where there is static dust, it may disturb the dust and cause a hazard.
- Risk assessment should include dust created by the use of the tool and the potential for disturbing existing dust.
- Direct the exhaust so as to minimize disturbance of dust in a dust filled environment.
- Where dust or exhaust hazards are created, the priority shall be to control them at the point of emission.

10. NOISE HAZARDS



- Unprotected exposure to high noise levels can cause permanent, disabling, hearing loss and other problems such as tinnitus (ringing, buzzing, whistling or humming in the ears).
- Risk assessment and implementation of appropriate controls for these hazards are essential.
- Appropriate controls to reduce the risk may include actions such as damping materials to prevent workpieces from “ringing”.
- Operate and maintain the tool as recommended in these instructions, to prevent an unnecessary increase in noise levels.
- If the tool has a silencer, always ensure it is in place and in good working order when the tool is being operated.
- The noise values indicated in the technical tool data are tool-related characteristic values and do not represent the noise generation at the point of use. Noise at the point of use will for example depend on the working environment, the workpiece, the workpiece support and the number of driving operations, etc.
- Workplace design can serve to reduce noise levels, for example placing workpieces on sound-damping supports.

11. VIBRATION HAZARDS



- The tool has been designed and constructed to reduce vibration hazards, but there always remain residual vibration risks.
- The vibration emission value indicated in the technical tool data is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. Any influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of energy supply, the workpiece, the workpiece support.
- Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
- If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, seek medical advice from a qualified occupational health professional regarding overall activities.
- Operate and maintain the tool as recommended in these instructions, to prevent an unnecessary increase in vibration levels.
- Hold the tool with a light, but safe, grip because the risk from vibration is generally greater when the grip force is higher.



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