

BlueSpot[®]



1/2" AIR IMPACT GUN

User Manual



07945

General Information

Thank you for purchasing a BlueSpot product, you can find further information on our range at **www.BlueSpot.uk.com**. Please ensure that you are using the product correctly and that all guidance and cautions are followed in accordance with the instructions. Please retain these instructions for future reference.

Safe use

Please make sure that you read these instructions carefully in order to avoid injury when using the air gun. Follow all health and safety rules and regulations. If in doubt and available please contact a more knowledgeable source.

DO NOT use if damaged.

- Maintain tool in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Keep children and unauthorised persons away from the work area.
- If the air gun is damaged do not use. If damage is found the air gun should be repaired before use.
- **ALWAYS** check you are able to handle the weight and power of the tool before use. If you cannot handle the tool comfortably do not use the tool.
- **ALWAYS** dress appropriately – clothing should be close fitted and long hair tied back. Jewellery should be removed and shoes should be worn with a non-slip sole.
- **ALWAYS** wear the correct eye or face protection when operating the air gun.
- **ALWAYS** wear approved respiratory protection.
- **ALWAYS** wear ear defenders to protect yourself from the loud noise caused from when the impact gun is in use.
- **ALWAYS** wear anti vibration gloves to protect yourself from the vibration caused by the tool.
- **ALWAYS** wear a safety helmet if you are using the tool overhead.
- **ALWAYS** ensure you work in a well ventilated room.
- **ALWAYS** ensure the hose does not cause a trip hazard when in use.
- **ALWAYS** ensure the correct safety precautions are taken when using compressed air.
- **ALWAYS** check and ensure all air connections are properly attached and sealed before use.

Safe use (continued)

- **ALWAYS** make sure the maintenance of the tool is carried out to prolong use and performance.
- **ALWAYS** make sure that the air pressure has been released before disconnecting.
- **ALWAYS** make sure the machine has fully stopped before disconnecting.
- **ALWAYS** ensure the tool has cooled down fully before storing as it can be very hot after use.
- **ALWAYS** disconnect the air gun fully from the air line before performing any maintenance or storing.
- **ALWAYS** make sure the machine is switched off when connecting it to the air supply.
- **NEVER** operate the tool if you are under the influence of drugs or alcohol as this is dangerous.
- **NEVER** carry the tool by the air line.
- **NEVER** use power tools in potentially explosive atmospheres unless they have been designed for that purpose. The air gun has not been designed for that atmosphere.
- **NEVER** make modifications to the tool.
- **NEVER** direct air at yourself or anyone else.
- **DO NOT** exceed the maximum air pressure stated on the tool.
- **DO NOT** operate the air gun if you are tired as this could be dangerous.
- **ALWAYS** stop using the tool straight away if you start to experience discomfort or pain. Consult with a qualified health professional if needed.

Introduction

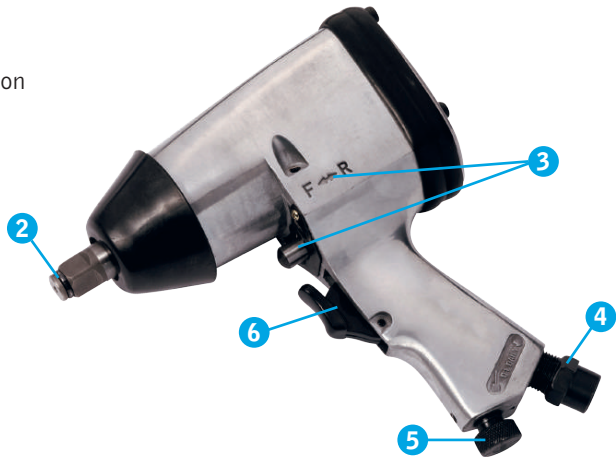
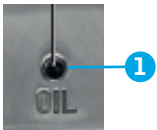
The BlueSpot 1/2" Air Impact Gun is ideal for everyday use. The wrench features a forward and reverse gear which can be operated with one hand. The tough construction makes it ideal for the most demanding work environments. The built-in regulator allows four torque speeds.

Specification

Maximum Operating Pressure	100 PSI
Clutch type	Single hammer
Square drive	½"
Bolt capacity	16mm
Maximum torque	312NM
Operating pressure / Air consumption	90 PSI
Air Inlet	¼" BSP inlet
Minimum hose diameter	3/8"
Weight	2.0KG

Parts Diagram

1. Oil Point
2. ½" Square Drive
3. Forward / Reverse Button
4. Air Inlet
5. Air / Torque Control
6. Trigger



Operation

Fitting the connector

The air impact gun is supplied with a male airline quick connector. The quick connector can be fitted by following the instructions below –

1. Remove the protective cover from the air inlet.
2. Apply PTFE tape (not included) in a clockwise direction to the screw threads of the quick connector to ensure a tight connection.
3. Screw the quick connector into the air inlet. You may need to use a spanner to ensure there is a tight connection
4. Connect to airline.
5. Carefully pressurise.

Connecting to the air supply

ALWAYS ensure the tool is connected to a clean, dry air supply.

ALWAYS ensure the water is drained from the system daily.

NEVER exceed the maximum operating pressure stated.

Tool Speed

Use the Air / Torque Control to set and adjust the speed of the impact gun.

- 1 – Minimum speed
- 4 – Maximum speed

Forward & Reverse

The forward and reverse function can be used to set the direction of the impact gun. The forward and reverse switch can be set on the front and back of the impact gun. The letters F and R on the side of the tool will show whether forward or reverse is set.

Forward – Clockwise rotation

Reverse – Anticlockwise rotation

Installing & removing sockets

ALWAYS ensure the impact gun is disconnected from the air supply before installing or removing the sockets.

Installing

1. Firmly push the socket over the locking ring onto the ½" square drive.
2. Make sure the locking ring engages with the socket.
3. Check the socket is firmly attached and there is a secure connection.

Operation (continued)

Removing

1. Pull the socket off the ½" square drive to remove.

Operating the air impact gun

Loosening Nut/Bolt

1. Place the socket over the nut.
2. Hold the impact gun securely in your hand with your finger over the trigger.
3. Place your other hand on the back of the tool to control the torque reaction.
4. Push the forward/reverse switch so the tool is set at reverse.
5. Start the tool by pressing the trigger.
6. When the nut/bolt starts to move release the trigger. Stop the tool.
7. Remove the socket from the nut/bolt.

NEVER increase the operating pressure of the tool to over its maximum. If you cannot loosen/remove the nut with the impact gun use a suitable breaker bar.

Tightening Nut/Bolt

1. Set the torque setting. Check the nut/bolt can withstand the torque setting.
2. By hand tighten the nut/bolt as much as you can.
3. Place the socket over the nut.
4. Hold the impact gun securely in your hand with your finger over the trigger.
5. Place your other hand on the back of the tool to control the torque reaction.
6. Push the forward/reverse switch so the tool is set at forward.
7. Start the tool by pressing the trigger.
8. Tighten the nut.
9. Remove the impact gun and socket.

BE CAREFUL not to overtighten. After using the impact gun use a calibrated torque wrench to torque the nut to the correct value.

NEVER increase the operating pressure of the tool to over its maximum.

ALWAYS make sure that the air pressure has been released before disconnecting.

Troubleshooting

Problem	Possible Causes	Solution
Impact gun is running slowly	<ul style="list-style-type: none"> - Mechanism blocked by dirt - The pressure is wrong - The air flow is blocked - Possible air leak 	<ul style="list-style-type: none"> - Perform the daily maintenance instructions - Check and set the air pressure to 90 PSI - Operate the impact gun in short bursts - Check the fittings/connections to the impact gun. PTFE tape can be used to ensure a secure connection - Check the hose for air leaks and repair
Impact gun runs at normal speed but loses power under load	<ul style="list-style-type: none"> - Clutch worn or sticking - Motor parts worn 	<ul style="list-style-type: none"> - Perform the daily maintenance instructions on the impact gun - Take the impact gun to be repaired
Impact gun has seized	<ul style="list-style-type: none"> - Mechanism blocked by dirt or rust 	<ul style="list-style-type: none"> - Perform the daily maintenance instructions on the impact gun - Gently tap the tool with a soft mallet - Disconnect the tool from the airline. Rotate the drive manually
Impact gun will not shut off	<ul style="list-style-type: none"> - Throttle valve 'O' ring broken or unseated 	<ul style="list-style-type: none"> - Take the impact gun to be repaired

Cleaning & Maintenance

ALWAYS ensure the air gun has been disconnected from the air supply and air pressure released before carrying out any cleaning or maintenance.

- Clean the machine body with a dry cloth.

Cleaning & Maintenance (continued)

Daily Maintenance

- Disconnect from the air supply.
- Pour roughly 14ml of oil into the air inlet.
- Connect the impact gun to the air supply.
- Run the impact gun for 2-4 seconds at a low speed so the oil is distributed through the tool.

We recommend using air tool oil.

NEVER use normal engine oil.

Weekly Maintenance

- Disconnect from the air supply.
- Open the oil point on the impact gun with the hex key supplied in the box.
- Pour a few drops of air tool oil into the oil point.
- Secure the seal of the oil point with the hex key.
- Connect the impact gun to the air supply.
- Run the impact gun for 2-4 seconds at a low speed so the oil is distributed through the tool.

We recommend using air tool oil.

NEVER use normal engine oil.

ALWAYS ensure there is an air filter fitted to the impact gun at all times. If the tool is in constant use a combined fitter must be fitted to the tool.

Disposal

ALWAYS check and adhere to national regulations when disposing of any tools that are no longer functional and cannot be repaired.

- Contact your local waste disposal authority for information on how to correctly dispose of tools.
- **DO NOT** dispose of power tools with domestic waste.
- **DO NOT** incinerate.

WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



Environmental Protection

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



Contact

Find out more about the BlueSpot® Lifetime Guarantee at www.BlueSpot.uk.com

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