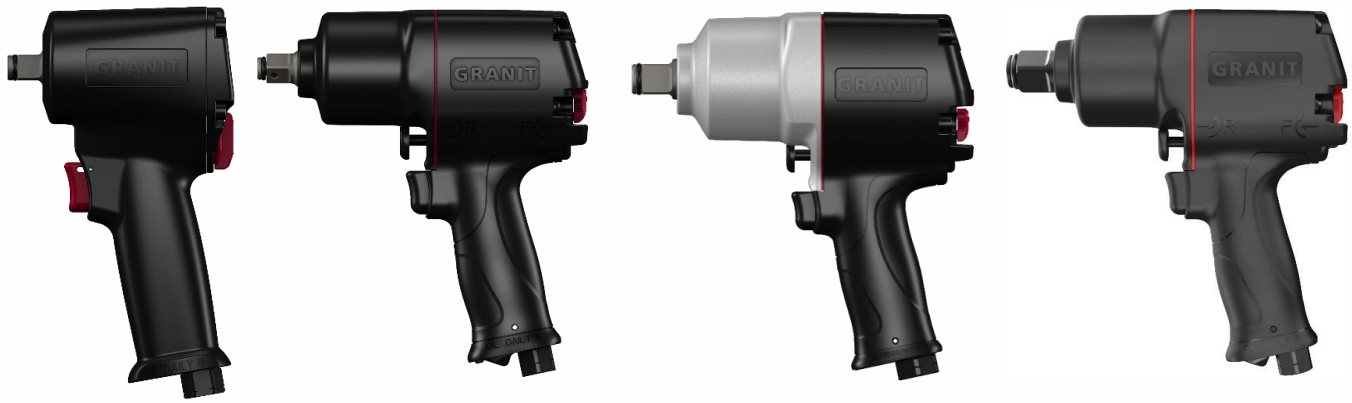
GRANIT
QUALITY PARTS

Operating Instructions

Pneumatic impact wrench

7306510/7306515/7306520/12545273



These operating instructions must be read thoroughly before use and followed.
These operating instructions must be retained for future reference.

Translate of the original operating instructions

UK CA CE

BLACK EDITION

Table of contents

1 About these operating instructions and symbol descriptions

WARNING	Incorrect operation can lead to serious injury or death.
CAUTION	Incorrect operation or negligence may result in personal injury, damage to the equipment or faulty measurements.
NOTICE	Instructions and tips for operation.

- Numbers in illustrations (1, 2, 3 ...) refer to the corresponding numbers in brackets (1), (2), (3) ... in the text next to the item numbers in the tables.
- Instructions for which the order must be followed are numbered (1, 2, 3, ...).
- Lists are marked with bullet points (•, •, ...).

Symbol description warning information

Read the instructions before use.

Wear eye protection.

Wear professional hearing protectors.

Wear a half mask.

Wear a breathing protection mask

Lubricate daily

Correct position of a static torque support.

Risk of trapping

Risk of trapping

Rotation direction

2 Safety and accident prevention rules

The pneumatic tool is mainly intended for professional users. The user or the employer must assess the specific risks which can arise during each application. These instructions contain information which you must be aware of and understand. This information relates to YOUR SAFETY and AVOIDING PROBLEMS WITH THE DEVICE. To make it easier for you do identify this information, we use the symbols shown on the following pages. Please read these instructions and note these sections.

NOTICE **READ AND FOLLOW ALL INSTRUCTIONS**

This tool was developed for specific applications. We urgently recommend

NOT to modify this equipment and/or to use it for an application other than that intended. If you have any doubts about the use of the tool, please do NOT use the tool before you have contacted the dealer and they have advised you.

WARNING **IMPORTANT SAFETY INSTRUCTIONS**

Improper operation or maintenance of this product can lead to severe injuries and property damage. Read and understand all warning information for operation before using this device. Basic safety precautions must always be taken when using pneumatic tools to reduce the risk of injuries.

2.1 General safety advice for pneumatic tools

General safety rules

NOTICE Read and understand the safety information before installing, operating, maintaining or changing parts of the pneumatic tool. Failure to act accordingly can lead to severe injuries.

- Only qualified and trained operators should install, adjust and use the pneumatic tool.
- Do not carry out any modifications on this pneumatic tool. Modifications may reduce the effectiveness of the safety measures and increase the risks for the operator.
- Do not throw these operating instructions and appendices away, but instead provide them to the operator.
- Do not use the pneumatic tool if it is damaged.
- The tools must be checked regularly, to ensure that the rated values and markings on the tool are legible. The employer/user must contact the manufacturer as required to receive replacement markings.
- To counteract the reaction torque and to reduce the risk of vibrations, it is recommended to fix the tool on a strong support fixture.
- Do not touch socket inserts or accessories during the impact process, since this increases the risk of cuts, burns and vibration injuries. Only use approved socket inserts in good condition for the impact wrench, since socket inserts and accessories which are used with impact wrenches break if in poor condition, leading to them becoming flying projectiles.

Risk from flying components

- Be aware that failure of the workplace, the accessories or even the tool head used can produce high speed projectiles.
- During operation of the pneumatic tool always wear impact-resistant eye protection. The required degree of protection should be assessed for every specific application.
- When doing so danger to other persons must also be considered.
- Make sure that the workpiece is securely fixed.

Entanglement hazards

- Risk of asphyxiation, degloving injuries and cuts, if loose clothing personal jewellery, necklaces, hair or gloves are not kept away from the tools and accessories.
- Gloves can become caught in the rotating drive leading to severed or broken fingers.
- Keep the hands away from the rotating drives.
- Rotating drive bushings and drive extensions can be easily caught on rubber-coated or metal-reinforced gloves. Never hold the drive or the drive extension.

Operating hazards

- Operation and maintenance personnel must be physically able to handle the mass, the weight and the force of the tool.
- Hold the tool correctly; be ready to counteract normal or sudden movements and keep both hands available.
- Maintain a balanced body position and secure footing.
- Only use the lubricants recommended by the manufacturer.
- It is recommended to use personal safety glasses and protective clothing.
- If the pneumatic tool is hung within a holding fixture, make sure that the fixture is firmly in position.
- In cases where means of counteracting the reaction torque are required, it is recommended where possible to use a hook-on arm. If this is not is not possible, side handles for tools with a straight housing and pistol grip are recommended. In any case it is recommended, with straight tools to use a means of counteracting the torque if above 4 Nm, for pistol grip tools above 10 Nm and with angle wrenches, above 60 Nm. The fingers may be trapped with open crowfoot wrenches. Do not use the tool in tight spaces, and pay attention to potential trapping of the hands between tool and workpiece, especially when undoing screws.

Hazards from repeated movements

- When using a pneumatic tool to carry out work-related activities, the operator may identify problems in the hands, arms, shoulders, in the neck or another part of the body.
- When using a pneumatic tool, the operator must have a relaxed body position, while maintaining a secure footing and avoiding unfavourable or unbalanced body positions. During long periods of work the user must change their body position from time to time, to avoid injuries and fatigue.
- If the user experiences symptoms such as continuous or repeated feeling unwell, pain, throbbing, tingling, numbness, burning or stiffness, then these warning signs must not be ignored. The user must inform the employer, and seek assistance from a qualified doctor.

Hazards associated with accessories

- Only use accessories of the sizes and types recommended by the manufacturer of the pneumatic tool, as well as consumables; do not use other types or sizes of accessories and consumables.
- During and after use avoid direct contact with the tool, since it may be hot or sharp.

Hazards in the workplace

- Slips, trips and falls are the main causes of workplace accidents. Watch out for slippery surfaces, which arise when using the tool, as well as tripping hazards, caused by the air line or the hydraulic hoses.
- The pneumatic tool is not designed for use in explosion hazard areas and is not insulated against contact with electrical power.
- Make sure that no electrical cables, gas pipes and similar are present, which could present a hazard when using the tool if they are damaged.

Risks from dust and vapours

- The risk assessment should take into account the dust and the possibility of stirring up existing dust when using the tool.
- Point the exhaust in such a way that dust being stirred up in dusty environments is minimised.

Hazards from noise

- The noise level when using the pneumatic tool is 96.0 dB (A)
- Always wear professional hearing protectors when working with pneumatic tools.
- If working regularly in noisy areas, according to the workplace safety regulations, a preventative investigation for working in noisy areas should be offered.
- Long-term exposure to high noise levels can cause permanent, disabling hearing damage and other problems such as tinnitus (ringing, buzzing, whistling or humming in the ears). For this reason a risk assessment and the implementation of suitable controls for these hazards is essential.
- Suitable controls for reducing the risk can include measures such as for example using damping materials to prevent workpieces vibrating.
- Operate and maintain the pneumatic tool as recommended in the operating instructions, in order to avoid an unnecessary increase in the noise level.
- Select maintain and replace the consumables/inserts as recommended in the operating instructions, to avoid unnecessary increase of the noise level.

Vibration hazards

- The effects of vibration can cause nerve damage and impaired blood supply to the hands and arms.
- When working in cold environments wear warm clothing and keep your hands warm and dry.
- If you feel numbness, prickling, pain will see a white appearance of the skin in fingers or hands, stop the use of the pneumatic tool, inform your employer and seek medical advice.
- Operate and maintain the pneumatic tool as recommended in the operating instructions, in order to avoid an unnecessary increase of the vibration values.

- Hold the tool with a loose, but secure grip - when doing so take into account the necessary hand reaction forces, since the risk of vibration is generally higher when the gripping force is higher.

Additional safety information for pneumatic tools

- Compressed air can cause serious injuries.
- Always switch off the compressed air supply, release the air pressure from the hose, and disconnect the tool from the compressed air supply, if it is not being used, before replacing accessory parts, or before carrying out repairs.
- Never point compressed air at yourself or other persons.
- Whipping hoses can cause severe injuries. Always check hoses and screw fittings for damage and secure seating.
- Cold compressed air should be pointed away from the hands.
- For impact and impulse wrenches do not use quick close couplings on the tool input. Use hose screw fittings in hardened steel (or material with comparable impact resistance).
- If universal rotary couplings (claw couplings) are used, locking pins must be installed and anti-whipping safety cables used, to prevent possible failure of the connection between hose and tool and hose and hose.
- Never use worn or a poorly fitting socket inserts or extensions, since this can cause a significant increase in vibrations. If possible use ferrule-type couplings.

Support the weight of the tool, where possible in a stand, clamp or stabiliser.

- Do not exceed the maximum air pressure indicated on the tool.
- Never carry a pneumatic tool by the hose.

3 Operation of the pneumatic tools

3.1 Intended use

The intended use for this pneumatic tool is for tightening/undoing or installing/removing fastening elements with a thread with corresponding impact wrenches or chiseldrivers.

Any use other than the intended use of the specific pneumatic tool is prohibited.

3.2 Operating instructions

Before every use:

- Only operate, inspect and maintain the tool in accordance with all regulations (local, regional, national), which apply for handheld pneumatic tools.
- Drain off water from the air compressor tank and condensate from the air lines. The operating instructions for the air compressor.

Disconnect the tool from the compressed air supply, before lubricating, installing, removing or adjusting it.

- Lubricate the tool, see section "maintenance" within this manual.
- Connect the tool to the compressed air hose of the recommended size.

NOTICE Using a quick-coupling set makes connection easier.

NOTICE Using compressed air filters and compressed air line lubricators is recommended.

For use:

- Switch on the air compressor and allow it to fill up the reservoir tank.
- Set the regulator of the air compressor to 6.2 bar (90 psi). This tool works with a maximum pressure of **6.2 bar (90 psi)**.
- When using rotary tools check for correct direction of rotation before using the tool.
- Make sure that the inserted tool is sitting firmly on the square drive (impact/ratchet socket)
- Adjust the direction of rotation if necessary:

Move the switch/lever as marked on the tool.

⇨ 「F」（Forwards）- Clockwise direction of rotation as viewed from the user's position.

⇨ 「R」（Backwards）- Anticlockwise direction of rotation as viewed from the user's position.

NOTICE On some tools this may be marked with the combination of 「L」and「R」. In this case 「R」(right) stands for the forward direction and 「L」(left) for the reverse direction.

- Set the rotation/oscillation speed, if applicable:

⇨ Using numbers: a larger number indicates a higher setting and vice versa.

⇨ Using symbols: larger size of the symbol indicates a higher setting and vice versa.

NOTICE Always start operation with a low setting.

- Allow the tool to come to a complete stop, before changing the direction of rotation.
- To start or stop.

The tool is fitted with a trigger/lever for stopping. Pull the trigger (or press the lever down), to start the tool. The tool stops running, when the trigger/lever is released.

Note: With certain types of pneumatic tools, due to inertia it can take a few seconds until the tool comes to a complete standstill.

CAUTION The energy transmitted by the tool varies depending on the size of the air compressor and on the quantity of air delivered by the air compressor.

- Do not use damaged, fretted or worn air hoses and screw fittings.
- Always disconnect the compressed air supply before lubricating, installing, removing or adapting the tool.
- Once the work has finished, switch off the air compressor and store it as described in the operating instructions of the air compressor.
- Always use clean, dry air with a maximum air pressure of 6.2 bar (90 psi). Dust, corrosive vapours and excessive moisture can destroy the internal parts of a pneumatic tool.
- Do not remove any markings. Replace a marking if damaged.
- Keep hands, loose clothing and long hair away from the moving parts of the tool.

4 Maintenance and care

General tips

- Hold the tool and allow it to run without load to check the vibration level before using the tool. If an excessive level of vibration is noticed, then this is a sign that maintenance or repair may be required.
- Before use check the idle speed of the tool if you hear noise being produced by the tool. It is recommended to check the idle speed of the tool regularly and after every maintenance activity using a tachometer and stroboscope.
- Keep the tool clean after each use, to avoid the risk of exposure to hazardous substances which may be deposited on the tool during working processes.
- Follow the locally applicable regulations regarding waste disposal.
- Always use the accessories recommended by your dealer.
- Before carrying out maintenance work on the tool always disconnect the compressed air supply first.

Lubrication

Pneumatic tools must be lubricated regularly during their complete service life. The pneumatic motor and the bearing use compressed air to drive the tool. Since moisture in the compressed air causes the pneumatic motor to rust, the motor must be lubricated daily. An inline-oiler is recommended.

The pneumatic motor is lubricated manually as follows:

- Disconnect the tool from the air supply and hold it so that the air inlet points upwards.
- Press the trigger and put one to two drops of pneumatic tool oil into the air inlet.
- Connect the tool to a compressed air source, cover the outlet with a cloth and let is run for a few seconds.
- Do not lubricate tools with flammable of volatile liquids such as paraffin, diesel or jet fuel.

5 Technical data

Model no.	7306510	7306515	7306520	12545273
Dimensions (mm) 6" extending anvil	105.5x58.6x 157.3	184x68x205,1	215.9x84x232.5 367.5x84x232.5	190,5x68x205,1
Own weight (kg) 6" extending anvil	1.4	1.82	3.48 4.07	1,89
Maximum allowable operating pressure (bar)	6.2	6.2	6.2	6,2
Recommended operating pressure (bar)	6.2	6.2	6.2	6,2
Air requirement (l/min)	135.9	130.3	195	136
Attachment size	1/2"	1/2"	3/4"	1/2"
Max. tightening torque (Nm)	678	1054	1763	928
Idle speed (rev/min)	10000	7200	6800	6.400
Min. connection cross-section (mm)	10	10	13	10
Standard screw size (mm)	16	16	38	16
Noise values according to EN ISO 15744				
A-weighted sound pressure level at workplace (dB)	96	92.8	102.5	93,7
A-weighted sound power level (dB)	107	103.8	113.5	104,7
C-weighted instantaneous peak sound pressure level at workplace (dB)	<130	<130	<130	<130
Measurement error (dB)	3	3	3	3
Vibration value according to EN ISO 28927-2 (m/s^2) 6" extending anvil	12	4.8	19.7 13.1	10,92
Measurement error (m/s^2) 6" extending anvil	1.68	0.97	2.44 1.8	1,58

6 EU Declaration of Conformity

The manufacturer,

Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen

declares under their sole responsibility that the pneumatic impact wrench

Type/series identification: **7306510, 7306515, 7306520, 12545273**

conforms to the provisions of

2006/42/EC Machinery Directive

The product was developed in accordance with the following standards:

DIN EN ISO 12100
DIN EN ISO 11148-6
EN ISO 15744
EN ISO 28927-2

Authorised person for documentation:

Mr Eike Viebrock
Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 10.05.2024

Holger Wachholtz, Executive Board

Translation of the original EU declaration of conformity

7 UKCA Declaration of Conformity

The manufacturer,

Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen

declares under their sole responsibility that the pneumatic impact wrench

Type/series identification: **7306510, 7306515, 7306520, 12545273**

conforms to the provisions of

The Supply of Machinery (Safety) Regulations 2009

The product was developed in accordance with the following standards:

BS EN ISO 12100
BS EN ISO 11148-6
BS EN ISO 15744
BS EN ISO 28927-2

Authorised person for documentation:

Mr Eike Viebrock
Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen

The serial number and model year are shown on the type plate of the equipment.

Heeslingen, 10.05.2024

Holger Wachholtz, Executive Board

Original UKCA Declaration of Conformity

8 Disposal

The separate, environmentally friendly disposal of materials encourages recycling of materials. Therefore, after expiry of the normal service life, the equipment itself and all related components, including the lubrication, packaging and wear parts, should be disposed of at a recyclables collection point. Packaging, equipment and accessories are made of recyclable materials and should be disposed of accordingly.

If the unit is no longer serviceable, make sure it is unusable before disposal.

If you do not have the necessary technical knowledge, engage a specialist to dismantle and dispose of the unit. RISK OF INJURY!

!!! Always observe local disposal regulations!!!

9 Warranty

The warranty terms of Wilhelm Fricke SE, as can be found in the sales documents and the current version of the Terms and Conditions, apply.

In case of questions, please contact the company's customer service line.

10 Addresses

Sales/customer service/ Spare parts sales:	Tel.: +49 (4281) 712 712 Fax: +49 (4281) 712 700
Postal and shipping address:	Wilhelm Fricke SE Zum Kreuzkamp 7 DE-27404 Heeslingen

11 Legal notice

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