



1/2-INCH IMPACT WRENCH

680 N·m

Ultra-short Ref.

PPC00500001

1/2-inch Impact Wrench:
Max. Torque 680 Nm,
Ultra-Short

Features:

No-load speed	11,000 rpm
Drive square Clamping capacity	1/2"
Nominal clamping torque	M16 500 N·m
Max. clamping torque	680 N·m
Average air consumption	480 l/min
Operating pressure	6.3 bar
Air inlet connection	1/4" (PT)
Inner Ø Recommended hose	8–10 mm
Dimensions	99 mm
Weight	1.36 kg

Specifications:

- 1/2-inch drive square
- Rotation Direction Reverser
- Ultra-short - Very compact: Access to tight spaces
- Jumbo hammering system
- Exhaust integrated into the handle
- ISO quick-connect coupling

Vibration and noise level:

Vibration

EN ISO 28927-2

Under load:

2.8 m/s²

Measurement uncertainty

K=1.5 m/s²

Sound level EN

ISO 15744

Sound pressure (under

load): 94 dB(A) Sound

power (under load): 105

dB(A)

Measurement

uncertainty K=3 dB

Recommendations:

Always wear hearing protection when using this tool.

Warning!

This impact wrench is shipped without accessories (sockets, etc.)

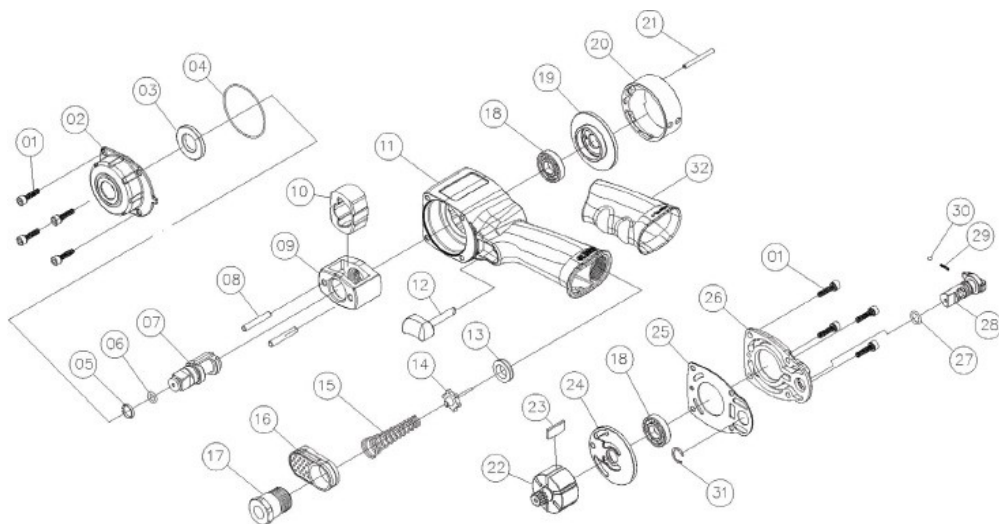
IN GOOD HANDS
ORIGINAL INSTRUCTION MANUAL

V090726

Exploded view of 1/2" impact wrench: 680 N·m, Part No. PPC00500001

When ordering replacement parts, specify the impact wrench part number followed by the part number and the desired quantity.

Ex: PPC00500001 12 - spring 1 pc



Rep.	Description	Qty	Rep.	Description	Qty
01	Screw	8	18	Ball bearing	2
02	Protective cover	1	19	Front flange	1
03	Gasket	1	20	Cylinder	1
04	O-ring	1	21	Pin	1
05-07	Square drive 1/2	2	22	Rotor	1
08	Hammer shaft		23	Rotor blades	6
09	Hammer cage	1	24	Rear flange	1
10	Hammer ratchet	1	25	Seal	1
11	Body	1	26	Casing	1
12	Trigger	1	27	O-ring	1
13	Gasket	1	28	Reverser	1
14	Valve	1	29	Spring	1
15	Spring	1	30	Air ball	1
16	Deflector	1	31	Circlip	1
17	Air intake	1	32	Grip	1

Direction of rotation



The impact wrench is equipped with a rotation direction reverser.

For tightening tasks:

Set or leave the direction reverser in position F (1, 2, or 3).

The drive square will rotate clockwise, to the right.

For loosening:

Set or leave the direction switch in the R position (1, 2, or 3).

The drive square will rotate counterclockwise, to the left.

Air exhaust at the handle



The 1/2-inch 680 N·m impact wrench features an air exhaust at the handle for greater user comfort.

General safety rules:

- Monitor the tool at all times while it is in use.
- Keep unqualified persons away from the tool.
- Persons under the influence of alcohol or drugs are not permitted to use, repair, or maintain the tool.
- Explosion hazard: Never use oxygen and combustible gases as the tool's air supply, as they could ignite from sparks and cause a fire or explosion.
- Do not use pneumatic tools in potentially explosive atmospheres, such as in the presence of flammable liquids, cleaning solvents, fluid power systems, or stored gases.
- Never use gasoline or other flammable liquids to clean the tool.
- Do not expose pneumatic tools to rain. Do not use pneumatic tools in damp or wet areas.
- Do not modify the tool in any way.
- Immediately disconnect the tool from the compressed air supply if a defect or malfunction is detected.
- Store tools in a dry place, out of the reach of children.
- Do not use the pneumatic tool for purposes for which it was not designed.
- Use clamps or a vise so that you have both hands free to operate the pneumatic tool.
- Please disconnect the tool from the air compressor when not in use, before performing maintenance, or when changing accessories.
- Do not carry the air tool while it is connected with your finger on the trigger switch. Make sure the switch is in the "OFF" position when connecting to the air supply.
- Read and understand the safety instructions before installing, using, repairing, maintaining, changing accessories, or working near the pneumatic tool. Failure to follow this instruction may result in serious injury.
- Never hold the socket while working.
- When using an articulated extension, make sure the wrench is never operated without making contact with the workpiece. The wrench could spin too quickly and cause the articulated extension to detach, with all the risks that this may entail.

Safety Instructions for Projectile Hazards

Failure of the workpiece, accessories, or even the inserted tool itself can generate high-speed projectiles. :

- Always wear impact-resistant eye protection while operating

the pneumatic tool. The level of protection required must be assessed for each application.

- Make sure the workpiece is securely clamped.

Safety Instructions for Entanglement Hazards

- Entanglement hazards can result in suffocation, scalping, and/or lacerations if loose clothing, personal jewelry, neckwear, hair, or gloves are not kept away from the tool and accessories.
- Do not wear loose gloves, gloves with cut-off fingers, or frayed gloves.

Safety Guidelines for Operational Hazards

Using the tool may expose the user's hands to hazards, including crushing, impact, cuts, abrasions, and heat. Wear appropriate gloves to protect your hands.

Users must be physically capable of handling the tool's size, weight, and power:

- Hold the tool correctly, be prepared to counteract normal or sudden movements, and keep both hands free.
- Release the start/stop control if the compressed air supply is interrupted.
- Use only lubricants recommended by the manufacturer.
- Do not use the pneumatic tool in confined spaces, and be careful not to pinch your hands between the tool and the workpiece, especially when unscrewing.

Safety Guidelines for Risks Associated with Repetitive Movements

When using a pneumatic tool, the user may experience discomfort in the hands, arms, shoulders, neck, or other parts of the body. Symptoms such as persistent or recurring discomfort, pain, shooting pains, aches, tingling, numbness, burning sensations, or stiffness—these warning signs should not be ignored.

When using a pneumatic tool, the user should adopt a comfortable posture while maintaining a secure footing and avoiding uncomfortable or unbalanced positions.

Safety Guidelines for Risks Associated with Accessories

- Disconnect the pneumatic tool from the compressed air supply before changing the accessory.
- Use only the sizes and types of accessories and consumables recommended by the tool manufacturer.
- Never use hand sockets. Use only impact sockets that are in good

. Sockets in poor condition reduce impact power and may also break and cause injury (check the condition of the sockets regularly).

Safety Guidelines for Workplace Hazards

Slips, trips, and falls are major causes of workplace injuries. Be aware of slippery surfaces. Pneumatic tools are not designed for use in potentially explosive atmospheres.

- Make sure there are no electrical cables, gas lines, etc., that could pose a hazard if damaged by the tool.
- Keep the work area clean and adequately lit by natural light or artificial lighting
- . The work area where the machine is being used must be clean. Clutter is a potential cause of accidents.

Safety Guidelines for Risks Related to Dust and Fumes

Dust and fumes generated when using pneumatic tools can be harmful to health (e.g., cancer, birth defects, asthma, and/or dermatitis); risk assessment and the implementation of appropriate controls for these hazards are essential. The risk assessment must include dust generated by the use of the tool and the potential for disturbance of existing dust. When dust or fumes are generated, the priority should be to control them at the source:

- Direct the exhaust to minimize the disturbance of dust in a dusty environment.
- Use respiratory protection.

Safety Guidelines for Noise Hazards

Unprotected exposure to high noise levels can cause permanent and disabling hearing loss and other problems, such as tinnitus (whistling, buzzing, hissing, or rumbling in the ears). Appropriate controls to reduce the risk may include measures such as the use of sound-absorbing materials:

- Use and maintain the pneumatic tool in accordance with the recommendations in the instruction manual to prevent an unnecessary increase in noise levels.
- Wear appropriate hearing protection when ambient noise levels exceed 80 dB(A) and safety glasses when using the tool. Always wear approved safety glasses if you are working in a dusty area. This also applies to other people in the vicinity.

Safety Guidelines for Vibration Hazards

Exposure to vibrations can cause disabling damage to the nerves and blood supply in the hands and arms. If you experience numbness, tingling, pain, or blanching of the skin on your fingers or hands, stop using the pneumatic tool and consult a doctor. Pneumatic tools may vibrate during use. Vibrations, repetitive motions, or uncomfortable positions can be harmful to your hands or arms. Stop using any tool if you experience discomfort, a tingling sensation, or pain.

Consult a doctor before resuming use.

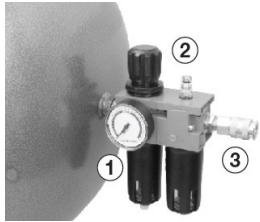
- Use and maintain the pneumatic tool in accordance with the recommendations in the instruction manual to prevent an unnecessary increase in vibration levels.
- Do not use worn or ill-fitting sockets or extensions, as this may cause a substantial increase in vibration.
- Support the weight of the tool with a stand, tensioner, or balancer, if possible.
- Hold the tool with a light but secure grip, taking into account the required hand reaction forces, as the risk associated with vibrations is generally higher when the gripping force is greater.

Additional Safety Guidelines for Pneumatic Tools

- Always shut off the air supply, bleed the air pressure from the hose, and disconnect the tool from the air supply when not in use, before changing accessories, or during repairs.
- Never direct the airflow toward yourself or another person.
- Always check the hoses and fittings for damage or loose connections. Hoses that snap can cause serious injury.
- Do not exceed the maximum air pressure specified by the tool manufacturer.

Filtration and Lubrication

Two precautions to follow when using pneumatic tools:



Filtration:

All pneumatic tools must be supplied with dry air free of impurities, which is why it is necessary to install an air purifier-regulator or a filter regulator between the compressor and the tool. This allows you to filter and regulate the pressure.

Lubrication:

Pneumatic power tools **MUST BE LUBRICATED**. Therefore, a lubricator must be installed

between the tool and the filter-regulator (or filter-regulator).

Please note:

It is recommended to adhere to the recommended operating pressures

recommended operating pressures. Frequent use at a high operating pressure

high operating pressure can lead to accelerated wear on the device.

- 1 - 1/2" filter regulator
 - 2 - 1/2" lubricator
 - 3 - Magnum quick-connect fitting, extra-large flow rate outlet valve
- that is

DECLARATION



"ORIGINAL" DECLARATION OF CONFORMITY

We hereby certify that the new equipment listed below:

1/2-inch impact wrench: 680 Nm

Part No.: PPC0050001

complies with the provisions of the Machinery Directive (89/392/EC); Has been tested in accordance with standard EN792

Done at TOURS-EN-SAVOIE

June 11, 2025

Stéphane Le Mounier, General Manager



