



16 PC. MINI DIE GRINDER KIT

USER MANUAL

[Revision 2.0 October 2018]

RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE



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INTENDED USE

This axial grinder is a handy, compressed air-powered device for the DIY and automotive/truck areas. It is suitable for the grinding and planning of solid surfaces.

Only use this machine according to its intended use! Any use extending beyond this does not constitute intended use. The user, not the manufacturer, is liable for resulting damages or injuries of any kind.

Our equipment is not intended for commercial or industrial use. If this device is used in the context of commercial or industrial use, the warranty is void.



When using tools, some safety precautions must be observed to prevent injuries and damages. Therefore, read through this operating manual/safety instructions carefully. Store them in a safe place so that the information is available to you at all times. If you should hand the appliance on to other people, please give these operating/safety instructions to them as well. We will not assume any liabilities for accidents or damages which do arise due to failure to observe these safety instructions.

SAFETY INSTRUCTIONS

- Keep these operating instructions ready at hand. You can then read up on important information and instructions, if necessary.
- Never make use of a defective or non-functioning device. Contact an authorised service centre or have the device inspected by a qualified skilled technician.
- Disconnect the axial grinder from the compressor before you exchange the accessories or an attachment. Disconnect the axial grinder when not using the compressor.
- Always work with the necessary levels of care.
- Do not apply unnecessary force under any circumstances.
- While grinding, be careful of flying sparks. Glowing parts that are blown upward can easily ignite flammable materials and liquids.
- Always wear appropriate protective clothing when performing all works/projects with the axial grinder such as protective gloves, work boots, protective goggles, dust masks, ear protectors, etc. Persons in the immediate working environment should take the same protective measures.
- Only use suitable grinding inserts.
- Make sure that the air pressure's connection is not set at too high a level. Take into account the possible impact of anything in the vicinity. Make sure that the workplace is well-lit.
- Always disconnect the device from the compressed air supply before any repair or servicing work.
- Improper repairs can result in injuries.
- Never exceed the permissible operating pressure. Excessive pressure can damage the device and can lead to injuries.
- Keep pneumatic tools away from children. This device can lead to injuries if it is not used as intended.
- Only connect the device to the pneumatic air supply via a quick-action coupling so it can be quickly disconnected in the event of danger.

- Ensure that your hair does not get caught in the rotating tool. Wear a hair net for your safety.
- Wear close-fitting clothing. Wide, loose clothing can get caught in the rotating tool and can lead to injuries.
- Keep your workplace clean and in good order. Untidiness in the workplace increases the risk of accidents.
- New grinding tools must be run-in by running it idle for half a minute.
- Never slow down the grinder by pressing on it. At low rotational speeds, the lateral pressure can damage the grinder.

GENERAL INSTRUCTIONS

- The recommended working pressure level is 6.2 bar.

ATTENTION! A level of working pressure that is too low leads to reduced performance, a level of working pressure that is too high shortens the service life.

- Wipe the tool with a dry cloth. Never clean it with water or solvents. Solvents damage the seals. Water leads to corrosion.
- Always store the axial grinder in a dry and clean place.
- In case of improper use and lack of maintenance, the legal warranty is void.

INITIAL START-UP

1. Fill three to four drops of pneumatic oil into the compressed air supply.
2. Screw the couplings and plugs that are included with the delivery into the compressed air supply and seal it with Teflon tape.
3. Select the grips D that are suitable for the grinder F. The shaft of grinder F must fit into the grips D.
4. First, turn the clamping nut E loosely onto the thread of the grips bearing.
5. Slide the grinder Fin the grips D to a maximum distance of 1 cm and tighten the clamping nut with a spanner. Hold the spindle in place with a spanner. The clamping nut must be tightened to the extent that the grinder is held in place.

REQUIRED AIR QUALITY/AIR SUPPLY

Air quality should be cleaned; air supply should be coated in oil via a maintenance unit with filter pressure reducers and inline oiler.

SETTING VALUES FOR OPERATION

Change the operating pressure (flow pressure) on the pressure reducer to 6.2 bar.

COMPRESSED AIR SUPPLY

- We recommend the use of an oil-fog lubricator in the compressed air line. If oil-fog lubricators (attached) are not used, three to five drops of pneumatic oil must be fed into the compressed-air supply of the device before any time it is used. Subsequent lubrication is needed after three operating hours at the latest. More frequently if the ambient air is dusty and the tool is being used constantly.
- The service life is shortened if a maintenance unit with a condensate drainage is not used. The humidity in the compressed air would lead to corrosion in the device.

DECOMMISSIONING

After use, it is absolutely necessary to disconnect the compressed air hose. Accidental activation can lead to injuries

TECHNICAL SPECIFICATIONS

MODEL	LX-002
AIR REQUIREMENTS	115 L/min
RECOMMENDED OPERATING PRESSURE	90 PSI
ROTATION SPEED	25,000 rpm
AIR CONNECTION	Standard 1/4" NPT
MATERIAL	Aluminium
GRIPS	3/6 mm
INTENDED AMBIENT TEMPERATURE	10 - 50°C
VIBRATION	2.44 m/sec ²
SOUND POWER LEVEL WHEN IDLE	80 dB (A)



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

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