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› [Metabo](#) /

› [Metabo DKNG 40/50 Air Compressed Stapler/Nailer Instruction Manual](#)

Metabo DKNG 40/50

Metabo DKNG 40/50 Air Compressed Stapler/Nailer Instruction Manual

Model: DKNG 40/50 (Reference: 601562500)

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo DKNG 40/50 Air Compressed Stapler/Nailer. Please read these instructions carefully before using the tool to ensure proper function and user safety. This tool is designed for driving staples and nails into various materials, suitable for both amateur and professional applications.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of personal injury and damage to the tool.

- **Wear Eye Protection:** Always wear safety glasses or goggles that comply with applicable standards to protect against flying debris.
- **Wear Hearing Protection:** Prolonged exposure to noise from pneumatic tools can cause hearing damage.
- **Disconnect Air Supply:** Always disconnect the air supply before making adjustments, clearing jams, servicing, or when the tool is not in use.
- **Never Point at Self or Others:** The tool can discharge fasteners unexpectedly.
- **Check Air Pressure:** Ensure the air compressor's pressure setting is within the recommended range for the tool.
- **Secure Workpiece:** Always ensure the material being worked on is stable and secure.
- **Use Correct Fasteners:** Only use staples and nails of the specified type and length (Type 90 + ES, 15-50 mm).
- **Keep Hands Clear:** Do not place hands or fingers near the fastener discharge area.
- **Proper Ventilation:** Use in a well-ventilated area.

3. PRODUCT OVERVIEW

The Metabo DKNG 40/50 is a robust air-powered tool designed for efficient fastening. Key components include:

- **Magazine:** Holds staples or nails.

- **Trigger:** Activates the firing mechanism.
- **Air Inlet:** Connection point for the compressed air hose.
- **Safety Nose:** Prevents accidental firing by requiring contact with the workpiece.
- **Handle:** Ergonomically designed for comfortable grip.



Figure 1: Front view of the Metabo DKNG 40/50, showing the magazine and trigger.

4. SETUP

Before operating the tool, ensure proper setup.

4.1 Connecting to Air Compressor

1. Ensure your air compressor is turned off and depressurized.
2. Connect a suitable air hose to the air inlet of the stapler/nailer.
3. Set the air compressor's output pressure to the recommended operating range (refer to specifications for details, typically around 6-8 bar or 90-120 PSI). The tool consumes approximately 0.66 liters of air per stroke.
4. Turn on the air compressor and allow it to build pressure.

4.2 Loading Fasteners

The Metabo DKNG 40/50 uses Type 90 + ES staples and nails with lengths ranging from 15 mm to 50 mm.

1. Disconnect the tool from the air supply.
2. Open the magazine according to the tool's design (usually by pressing a latch and sliding it open).
3. Insert a strip of compatible staples or nails into the magazine, ensuring they are oriented correctly.
4. Close the magazine securely until it latches.



Figure 2: Angled view of the Metabo DKNG 40/50, highlighting the magazine and air inlet.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation.

1. **Connect Air Supply:** Reconnect the air hose to the tool.
2. **Position Tool:** Place the safety nose firmly against the workpiece where the fastener is to be driven.
3. **Fire Fastener:** Squeeze the trigger to drive the staple or nail. The safety nose must be depressed for the tool to fire.
4. **Reposition:** Lift the tool from the workpiece and reposition for the next fastener.

5.1 Depth Adjustment (if applicable)

Some models feature a depth adjustment mechanism. If present, adjust the depth by rotating the depth adjustment knob or lever to achieve the desired fastener depth. Test on a scrap piece of material before final application.



Figure 3: Top-down view of the Metabo DKNG 40/50, showing the overall design.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Lubrication:** Apply a few drops of pneumatic tool oil into the air inlet before each use or after every few hours of continuous operation. This lubricates internal components.
- **Cleaning:** Keep the tool clean and free of dust and debris. Use compressed air to blow out the magazine and firing mechanism.
- **Check for Wear:** Periodically inspect the safety nose, trigger, and air connections for signs of wear or damage. Replace worn parts immediately.
- **Storage:** Store the tool in a dry, clean environment when not in use. Disconnect from air supply.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Tool not firing	No air supply; Low air pressure; Empty magazine; Safety nose not depressed; Jammed fastener	Check air connection and compressor; Increase air pressure; Reload fasteners; Ensure safety nose is fully depressed; Clear jam (disconnect air first)
Fasteners not driving fully	Low air pressure; Incorrect fastener length; Hard material; Depth adjustment incorrect	Increase air pressure; Use appropriate fastener length; Adjust depth setting; Consider pre-drilling for very hard materials
Air leaks	Loose air fitting; Damaged O-rings or seals	Tighten air fittings; Replace damaged O-rings or seals (consult a qualified technician if unsure)
Fasteners jamming frequently	Incorrect fastener type/size; Damaged magazine; Worn driver blade	Use correct fasteners; Inspect and replace damaged magazine parts; Replace worn driver blade

8. SPECIFICATIONS

Detailed technical specifications for the Metabo DKNG 40/50.

- **Model Number:** 601562500
- **Manufacturer:** METABO SAS
- **Material:** Steel
- **Staple Type:** 90 + ES
- **Nail Length:** 15 - 50 mm
- **Air Consumption per Stroke:** 0.66 l
- **Weight:** 1.1 Kilograms
- **Product Dimensions (L x W x H):** 29.5 x 6 x 23.5 cm
- **Intended Use:** Hobbyist, Professional

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Metabo products typically come with a manufacturer's warranty covering defects in materials and workmanship.

For technical support, spare parts, or service, please contact your authorized Metabo dealer or visit the official Metabo website for regional service centers. Information regarding spare parts availability may vary by region.