

Bosch Professional 1600A02NC9

Bosch Professional 1600A02NC9 VDE Insulated Torx Screwdriver User Manual

Model: 1600A02NC9

INTRODUCTION

This manual provides essential information for the safe and effective use of your Bosch Professional 1600A02NC9 VDE Insulated Torx Screwdriver. This tool is designed for professional use, specifically for tightening and loosening Torx screws, with the added safety feature of VDE insulation for working on live parts up to 1000V.

SAFETY INFORMATION

WARNING: Always read and understand all safety instructions before using this tool. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This VDE insulated screwdriver is certified for use on live electrical components up to 1000 Volts AC.
- Always inspect the insulation for any damage (cracks, cuts, abrasions) before each use. **DO NOT** use the screwdriver if the insulation is damaged.
- Ensure the power supply to the circuit is disconnected whenever possible before working on electrical installations.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves, when working with electrical systems.
- Do not modify the tool or use it for purposes other than its intended use.
- Keep the tool clean and free from grease or oil to maintain a secure grip.

DIN EN/IEC 60900

Image: The DIN EN/IEC 60900 symbol, indicating compliance with international standards for insulated hand tools, certified for safe use up to 1000V.

PRODUCT OVERVIEW

The Bosch Professional 1600A02NC9 is a high-quality VDE insulated Torx screwdriver, designed for precision and safety in electrical work. It features a durable shaft, an insulated handle, and a TX30 Torx tip.



Image: Front view of the Bosch Professional VDE Insulated Torx Screwdriver, highlighting its red and yellow insulated handle and black Torx tip.





Image: Rear view of the screwdriver, showing the TX30 size marking on the handle end and the Bosch Professional logo.

Key Components:

- **Insulated Handle:** Ergonomically designed with thermoplastic elastomer (TPE) for a comfortable and secure grip, providing electrical insulation.
- **Insulated Shaft:** Extends the insulation from the handle to the tip, protecting against electrical contact.
- **Torx Tip (TX30):** Precision-machined tip for engaging Torx head screws.



Image: A graphic representation of a Torx screw head, indicating the star-shaped recess.

SETUP

The Bosch Professional VDE Insulated Torx Screwdriver is ready for use directly out of the packaging. No assembly is required.

1. **Unpack:** Carefully remove the screwdriver from its packaging.
2. **Inspect:** Before first use, and before every subsequent use, visually inspect the entire screwdriver for any signs of

damage to the insulation, shaft, or tip. Ensure the insulation is intact and free from cracks, cuts, or punctures.

3. **Verify Size:** Confirm that the TX30 tip matches the Torx screw head you intend to work with.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your VDE insulated Torx screwdriver:

1. **Safety First:** Always prioritize safety. If working on electrical circuits, ensure power is disconnected if possible. If working on live circuits, confirm the screwdriver's insulation is undamaged and wear appropriate PPE.
2. **Select Correct Size:** Use the TX30 screwdriver for TX30 Torx screws only. Using an incorrect size can damage the screw head or the screwdriver tip.
3. **Engage Screw Head:** Place the Torx tip squarely into the recess of the screw head. Ensure full engagement to prevent cam-out and damage.
4. **Apply Pressure and Turn:** Apply firm, steady downward pressure on the handle while turning the screwdriver clockwise to tighten or counter-clockwise to loosen the screw.
5. **Avoid Over-tightening:** Tighten screws only until snug. Over-tightening can strip the screw threads or damage the material.
6. **Do Not Pry:** Do not use the screwdriver as a pry bar or chisel. This can damage the tool and compromise its insulation.
7. **Storage After Use:** After use, clean the screwdriver and store it in a dry, safe place.

MAINTENANCE

Proper maintenance ensures the longevity and safety of your Bosch Professional VDE Insulated Torx Screwdriver.

- **Cleaning:** Wipe the screwdriver clean with a dry or slightly damp cloth after each use. Do not use harsh chemicals or abrasive cleaners that could damage the insulation.
- **Inspection:** Regularly inspect the insulation for any signs of wear, cracks, cuts, or other damage. Pay close attention to the area where the shaft meets the handle. If any damage is observed, discontinue use immediately and replace the tool.
- **Storage:** Store the screwdriver in a clean, dry environment, away from direct sunlight, extreme temperatures, and corrosive substances. Protect the tip from impact to prevent deformation.
- **Do Not Modify:** Never attempt to modify the screwdriver, especially its insulation. Any modification can compromise its safety features.

TROUBLESHOOTING

This section addresses common issues you might encounter with a hand tool like a screwdriver.

Problem	Possible Cause	Solution
Screwdriver slips from screw head.	Incorrect Torx size, worn screw head, insufficient downward pressure, or worn screwdriver tip.	Ensure TX30 tip matches screw. Replace worn screws. Apply more downward pressure. If tip is worn, replace screwdriver.
Screw head is stripped.	Incorrect screwdriver size, excessive force, or worn screw head.	Use the correct TX30 size. Apply appropriate force. Replace stripped screws.

Problem	Possible Cause	Solution
Insulation appears damaged.	Physical impact, abrasion, or chemical exposure.	Immediately discontinue use. The safety feature is compromised. Replace the screwdriver.

SPECIFICATIONS

Detailed technical specifications for the Bosch Professional 1600A02NC9 VDE Insulated Torx Screwdriver:

Model Number	1600A02NC9
Brand	Bosch Professional
Head Style	Torx (TX30)
Shaft Length	125 mm
Overall Length	Approximately 245 mm (as per image)
Material	Thermosetting plastic (handle insulation)
Insulation Rating	Certified up to 1000 V AC (VDE, DIN EN/IEC 60900)
Item Weight	0.11 Kilograms
Special Feature	Ergonomic, Insulated

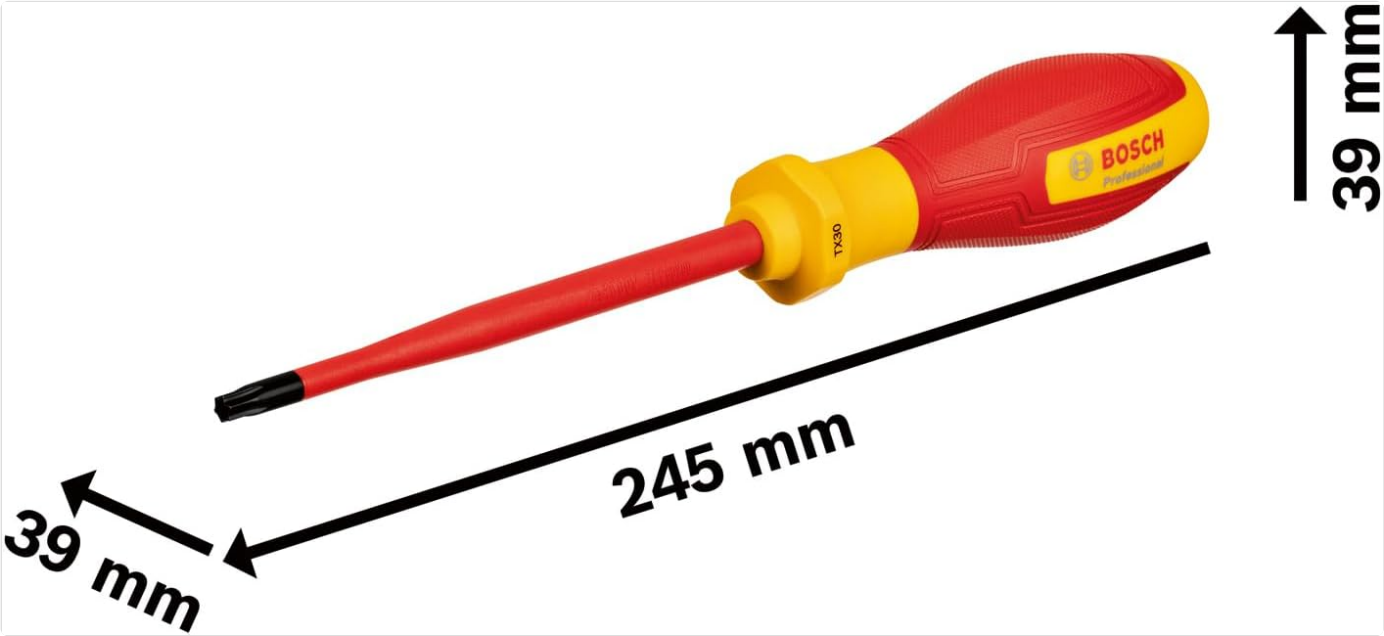


Image: Dimensional drawing of the screwdriver, indicating an overall length of 245 mm and a handle width of 39 mm.

WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or service, please refer to the official Bosch Professional website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Online Resources: www.bosch-professional.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question