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Truper Max MAX-20T (Model 101452)

Truper Max MAX-20T Cordless Drill User Manual

Model: MAX-20T (Product Number: 101452)

INTRODUCTION

Thank you for choosing the Truper Max MAX-20T 1/2" Cordless Drill. This powerful and versatile tool is designed for various drilling and driving applications, featuring a brushless motor for extended life and efficiency. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read it thoroughly before first use and keep it for future reference.



Image: Truper Max MAX-20T Cordless Drill, showing its compact and ergonomic design.

SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power

tools.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct tool for your application. Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not disassemble the battery pack. Do not short-circuit a battery pack.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Truper Max MAX-20T Cordless Drill
- 2 x 20V 2 Ah Lithium-Ion Batteries
- Battery Charger
- 14-inch Carrying Case
- User Manual (this document)



Image: The Truper Max MAX-20T Cordless Drill kit, including the drill, two batteries, a charger, and a carrying bag.

PRODUCT OVERVIEW

Familiarize yourself with the components and features of your Truper Max MAX-20T drill:

- **Brushless Motor:** Provides higher efficiency, longer runtime, and extended tool life with no carbon brush maintenance.
- **2 Mechanical Speeds:** Allows selection between high torque for driving and high speed for drilling.
- **Metal Keyless Chuck (1/2" / 13 mm):** Quick-change chuck with retention lock for secure bit holding.
- **Torque Selector (21 Levels):** Adjusts the clutch to prevent over-driving screws and damaging materials. Maximum torque of 34 Nm.
- **LED Work Light:** Illuminates the work area for improved visibility.
- **Battery Level Indicator:** Displays the remaining charge of the Lithium-Ion battery.
- **Belt Clip:** Convenient for carrying the tool when not in use.



Image: Detailed view of the Truper Max MAX-20T drill highlighting key features such as the torque selector, mechanical speeds, metal chuck, LED light, belt clip, and battery indicator.



Image: Truper Max MAX-20T drill with dimensions indicated: Length 20 cm, Height 24 cm.

SETUP

Battery Charging and Installation

1. **Charging the Battery:** Connect the charger to a standard power outlet. Insert the Lithium-Ion battery into the charger. The indicator light on the charger will show the charging status. A full charge typically takes approximately 1 hour.
2. **Installing the Battery:** Align the battery pack with the battery port on the bottom of the drill handle. Slide the battery into place until it clicks securely.
3. **Removing the Battery:** Press the battery release button (located on the sides of the battery pack) and slide the

battery out of the tool.

Installing/Removing Drill Bits

1. **To Install:** Rotate the chuck counter-clockwise until the jaws are open wide enough to insert the drill bit or screwdriver bit. Insert the bit fully and then rotate the chuck clockwise to tighten the jaws securely around the bit.
2. **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

OPERATING INSTRUCTIONS

Speed Selection

The drill has two mechanical speed settings, controlled by a slider switch on top of the tool:

- **Position 1 (Low Speed):** For high torque applications like driving screws or drilling large holes. (0-500 RPM)
- **Position 2 (High Speed):** For faster drilling in softer materials or smaller holes. (0-1800 RPM)

Always select the appropriate speed before starting your task.

Torque Adjustment

The torque collar allows you to set the amount of torque before the clutch disengages, preventing over-tightening or stripping screws. Rotate the collar to select one of the 21 torque settings. For drilling, set the collar to the drill icon for maximum torque.

Forward/Reverse Rotation

The forward/reverse selector switch is located above the trigger. Push it to the left for forward rotation (drilling/driving screws in) and to the right for reverse rotation (removing screws). Center position locks the trigger for safety.

Trigger Switch and Variable Speed

The trigger switch controls the ON/OFF function and the variable speed. Press the trigger to start the drill. The speed increases as you press the trigger further. Release the trigger to stop the drill.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the ventilation openings clear and free of dust. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the drill, batteries, and charger in the provided carrying case in a dry, secure location out of reach of children.
- **Brushless Motor:** The brushless motor requires no maintenance, eliminating the need for brush replacement.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Trigger lock engaged.	Charge battery fully and ensure it is securely clicked into place. Disengage the forward/reverse selector from the center position.
Loss of power during operation	Battery charge is low.	Recharge the battery.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Ensure chuck is tightened firmly. Clean or replace the bit.
Overheating	Prolonged heavy use; Blocked ventilation slots.	Allow tool to cool down. Clear any obstructions from ventilation slots.

SPECIFICATIONS

Feature	Specification
Model Number	101452 (MAX-20T)
Brand	Truper Max
Power Source	Battery Powered
Voltage	20 Volts
Battery Capacity	2 Amp Hours (Li-Ion)
Motor Type	Brushless
Max Rotation Speed	1800 RPM
Max Torque	34 Newton-Meters
Chuck Size	1/2 inch (13 mm)
Special Features	Variable Speed, 2 Mechanical Speeds, LED Work Light
Product Dimensions	24 cm (L) x 20 cm (W) x 24 cm (H)
Package Dimensions	41.5 x 20.5 x 20 cm

Feature	Specification
Weight	3.28 kg (including package)

WARRANTY AND SUPPORT

Truper Max products are manufactured to high-quality standards and are guaranteed against manufacturing defects. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Truper Max website. For technical support, replacement parts, or service inquiries, please contact Truper Max customer service through the contact information provided on the product packaging or their official website.

Please retain your proof of purchase for any warranty claims.

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