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## STANLEY SCD20C2-B3

# STANLEY SCD20C2-B3 20V 3/8-inch Cordless Drill/Driver User Manual

Model: SCD20C2-B3

## 1. INTRODUCTION

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Thank you for choosing the STANLEY SCD20C2-B3 20V 3/8-inch Cordless Drill/Driver. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read all instructions carefully before use and retain this manual for future reference.

### Product Overview

The STANLEY SCD20C2-B3 is a compact and lightweight 20V cordless drill/driver designed for various drilling and fastening applications. It features a high-performance motor, variable speed control, and 22 torque settings for optimal control. The kit includes two 1.3 Ah Lithium-Ion batteries and a charger, ensuring extended runtime and minimal downtime.



Image 1.1: The STANLEY SCD20C2-B3 20V Cordless Drill/Driver kit, including the drill, two 20V Lithium-Ion batteries, and a battery charger.

### General Safety Instructions

Always wear appropriate personal protective equipment, such as safety glasses, hearing protection, and gloves, when operating power tools. Ensure your work area is well-lit and clear of obstructions. Keep children and bystanders away while operating the tool. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

## 2. SETUP

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### Charging the Battery

The STANLEY SCD20C2-B3 comes with two 1.3 Ah Lithium-Ion batteries and a charger. Before first use, fully charge the batteries.

1. Connect the charger to a standard power outlet.

2. Slide the battery pack onto the charger until it clicks into place. The charging indicator light will illuminate.
3. Allow the battery to charge until the indicator light signals a full charge (refer to charger manual for specific light patterns). A full charge typically takes approximately 75 minutes.
4. Once charged, remove the battery from the charger.



Image 2.1: The included battery charger and two 20V Lithium-Ion battery packs.

## Installing and Removing the Battery Pack

1. **To Install:** Align the battery pack with the receptacle on the bottom of the drill handle. Slide the battery pack into the handle until it locks securely into place.
2. **To Remove:** Press the battery release button located on the front of the battery pack and slide the battery out of the tool handle.



Image 2.2: Proper method for installing the battery pack into the drill/driver.

## Installing and Removing Drill Bits/Driver Bits

The drill/driver features a 13mm (1/2 inch) keyless chuck for quick and easy bit changes.

1. **To Install:** Rotate the chuck collar counter-clockwise until the jaws are open wide enough to insert the bit. Insert the bit fully into the chuck. Rotate the chuck collar clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.
2. **To Remove:** Rotate the chuck collar counter-clockwise to loosen the jaws and remove the bit.

## 3. OPERATING INSTRUCTIONS

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### Powering On/Off and Variable Speed Trigger

The tool is equipped with a variable speed trigger switch. Press the trigger to turn the tool on. The speed of the tool increases as you increase pressure on the trigger. Release the trigger to turn the tool off.

### Forward/Reverse Control

A forward/reverse selector switch is located above the trigger. Push the switch to the left for forward rotation (drilling/driving screws in) and to the right for reverse rotation (removing screws). Position the switch in the center for the trigger lock, which prevents accidental starting.

### Torque Adjustment Collar

The torque adjustment collar allows you to select from 22 different torque settings, plus a drilling mode. Rotate the collar to the desired setting. Lower settings are for driving small screws or working with soft materials, while higher settings are for larger screws or harder materials. The drill symbol is for drilling applications, providing maximum torque.



Image 3.1: Key features of the drill/driver, including the 22 torque positions, high-performance motor, LED light, and rubberized handle.

### 2-Speed Gear Selector

The tool features a 2-speed gear selector switch located on top of the drill. Position 1 provides lower speed (0-350 RPM) and higher torque, ideal for driving screws or drilling large holes. Position 2 provides higher speed (0-1500 RPM) and lower torque, suitable for drilling small holes or faster driving.



Image 3.2: The 2-speed transmission switch for selecting appropriate speed and torque.

## Integrated LED Work Light

An integrated LED light automatically illuminates the work area when the trigger is pressed, improving visibility in dimly lit conditions.



Image 3.3: The drill/driver in use, demonstrating the integrated LED work light.

## 4. MAINTENANCE

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### Cleaning

Regularly clean the ventilation slots of the tool to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaning agents, as these can damage the tool.

### Storage

Store the tool and batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure batteries are partially charged before long-term storage to prolong their lifespan. Keep out of reach of children.

### Battery Care

Do not store batteries in discharged condition. Recharge them as soon as they are depleted. Avoid exposing batteries to water or extreme heat. Do not attempt to open or modify battery packs.

## 5. TROUBLESHOOTING

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- **Tool does not start:** Ensure the battery is fully charged and properly inserted. Check that the forward/reverse selector is not in the center (locked) position.
- **Loss of power during operation:** The battery may be low. Recharge the battery. If the issue persists, the battery may need replacement.
- **Excessive vibration or noise:** Check that the drill bit or driver bit is securely installed and not bent or damaged. Ensure the chuck is tightened properly.
- **Overheating:** Allow the tool to cool down. Ensure ventilation slots are clear of debris. Avoid continuous heavy-duty use without breaks.

If you encounter issues not listed here or if problems persist, please contact STANLEY customer support.

## 6. SPECIFICATIONS

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Feature	Specification
Model Number	SCD20C2-B3

Feature	Specification
Voltage	20 Volts
Chuck Size	13 mm (3/8 inch)
No-Load Speed (Gear 1)	0-350 RPM
No-Load Speed (Gear 2)	0-1500 RPM
Max Torque	45 Newton-meters
Torque Settings	22 + Drill Mode
Battery Type	Lithium-Ion
Battery Capacity	1.3 Ah
Weight (with battery)	2.7 Kilograms
Dimensions (L x W x H)	30 x 23.5 x 9.5 cm
Included Components	1 Drill, 2 Lithium-Ion Batteries, 1 Charger

## 7. WARRANTY AND SUPPORT

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### Warranty Information

STANLEY 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 STANLEY website. Keep your proof of purchase for warranty claims.

### Customer Support

For technical assistance, spare parts, or service, please contact STANLEY customer support. Contact information can typically be found on the STANLEY website or on the product packaging.