SOARFLY BS-2

SOARFLY Cordless Impact Wrench 1/2"

Model: BS-2 | 900 Ft-Lbs (1200N.m)

Introduction

Thank you for choosing the SOARFLY Cordless Impact Wrench. This powerful 1/2-inch impact wrench is designed for heavy-duty applications such as automotive work, tire removal, industrial assembly, and various home garage repairs. It features a high-efficiency brushless motor, delivering up to 900 ft-lbs (1200N.m) of torque, and comes with two 4.0Ah batteries for extended use. Please read this manual carefully before operating the tool to ensure safe and efficient use.



Image: The SOARFLY Cordless Impact Wrench, ready for use.

Safety Information

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Keep Work Area Clean:** Cluttered areas invite accidents.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain.
- **Stay Alert:** Watch what you are doing, use common sense. Do not operate tool when you are tired.
- **Secure Workpiece:** Use clamps or a vise to hold the workpiece. This is safer than using your hand and it frees both hands to operate the tool.
- **Do Not Overreach:** Keep proper footing and balance at all times.

- **Disconnect Power:** Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.
- **Use Correct Tool:** Do not force small tool or attachment to do the job of a heavy-duty tool.
- **Maintain Tools With Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.

Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact SOARFLY customer support.

- 1x SOARFLY Cordless Impact Wrench
- 2x 4.0Ah 21V Lithium-Ion Battery Packs
- 1x Fast Charger
- 5x Impact Sockets (17mm, 19mm, 21mm, 22mm, 24mm)
- 1x 125mm Extension Bar
- 1x Durable Carry Case
- O-Rings & Retaining Pins

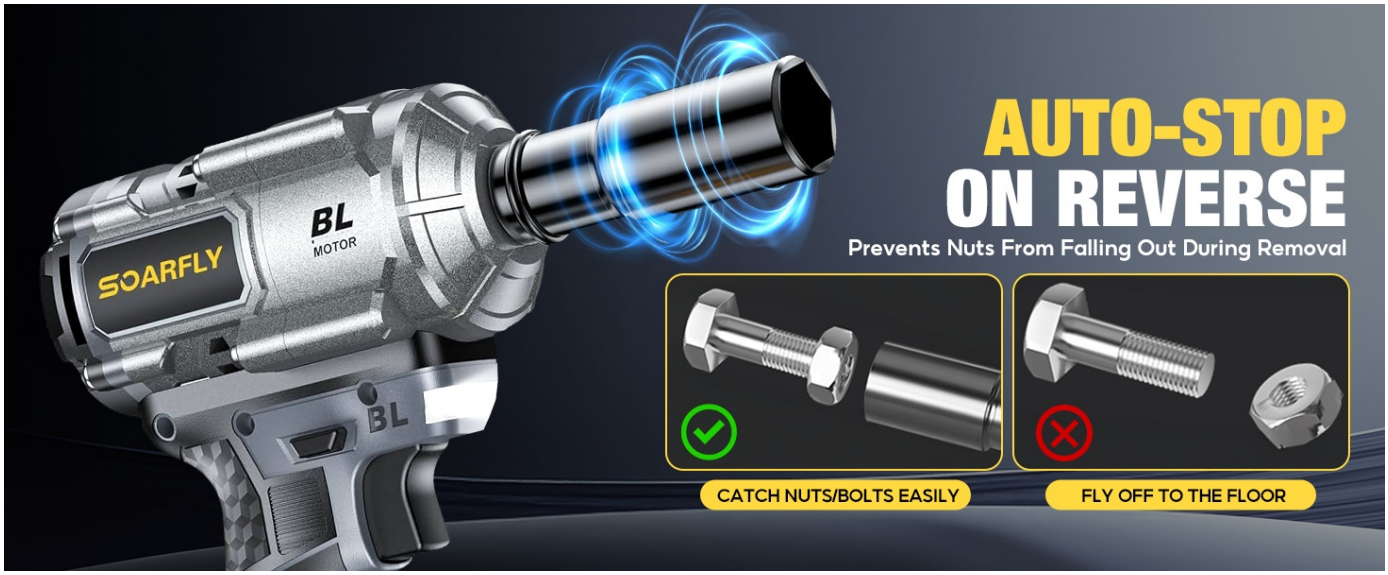


Image: Complete accessory kit including the impact wrench, batteries, charger, sockets, and carry case.

Product Overview

The SOARFLY Cordless Impact Wrench is engineered for performance and durability. Key features include:

- **Brushless Motor:** Provides higher efficiency, longer lifespan, and reduced noise compared to brushed motors.
- **High Torque Output:** Delivers up to 900 ft-lbs (1200N.m) for demanding tasks.
- **Dual 4.0Ah Batteries:** Ensures extended runtime and quick charging.
- **3-Speed Adjustment:** Allows for precise control over RPM for various applications.
- **Forward & Reverse with Brake Stop:** Easy direction change and a safety feature to prevent fasteners from falling.
- **Built-in LED Work Light:** Illuminates dark work areas for improved visibility.
- **Ergonomic Anti-Slip Handle:** Designed for comfortable and secure grip.



Image: Internal view of the efficient brushless motor.



Image: Demonstrating the 900 ft-lbs torque for lug nut removal.



Image: The two included 4.0Ah battery packs.



Image: The built-in LED work light in action.

Setup

1. **Charge the Battery:**
    - Connect the charger to a standard power outlet.
    - Slide the battery pack onto the charger until it clicks into place.
    - The charger indicator light will show charging status (refer to charger manual for specific light patterns). A full charge typically takes 2 hours.
    - Once fully charged, remove the battery from the charger.



Image: Ensure batteries are fully charged before use.

2. **Install/Remove Battery Pack:**
    - To install, align the battery pack with the base of the tool and slide it in until it locks securely.
    - To remove, press the battery release button (usually located on the side of the battery) and slide the battery pack out.
3. **Attach/Remove Sockets or Extension Bar:**
    - Ensure the tool is off and the battery is removed before attaching or removing accessories.
    - Align the square drive of the socket or extension bar with the anvil of the impact wrench.
    - Push firmly until it clicks into place. For secure attachment, use the provided O-rings and retaining pins with the sockets.
    - To remove, pull the socket or extension bar firmly off the anvil.

Operating Instructions

1. **Power On/Off:**
    - The tool is activated by pressing the trigger switch. The LED work light will illuminate when the trigger is

pressed.

- Release the trigger to turn off the tool.

2. **Changing Direction (Forward/Reverse):**
   - Locate the forward/reverse selector switch, typically above the trigger.
   - Push the switch to the left for forward rotation (tightening nuts).
   - Push the switch to the right for reverse rotation (loosening nuts).
   - Ensure the switch is in the center position to lock the trigger and prevent accidental startup.



Image: Forward and Reverse control for tightening or loosening.

3. **Adjusting Speed:**
   - The impact wrench features a variable speed trigger; the harder you press, the faster the tool operates.
   - Additionally, there are 3 preset speed modes (Low, Medium, High) which can be selected using the speed adjustment button on the tool.
   - Choose the appropriate speed for your task: Low (0-2000 RPM), Medium (0-2500 RPM), High (0-3000 RPM).



Image: 3-Speed Variable Control for precise power adjustment.

4. **Brake Stop Function (Reverse Mode):**
    - When operating in reverse mode, the intelligent brake-stop function automatically slows the tool after the fastener is loosened. This prevents the nut or bolt from flying off and getting lost.

Official Product Video: SOARFLY Powerful Impact Wrench

Your browser does not support the video tag.

Video: A demonstration of the SOARFLY impact wrench's power and features by the seller.

Maintenance

- **Cleaning:** Regularly clean the tool's ventilation openings to prevent overheating. Use a soft, damp cloth; do not use solvents.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Lubrication:** The tool's internal components are factory-lubricated and generally do not require additional lubrication.
- **Inspection:** Periodically inspect the tool, battery, and charger for any signs of damage. Replace damaged parts immediately.
- **Storage:** When not in use, store the tool, batteries, and accessories in the provided carry case in a dry, secure location out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Trigger lock engaged; Faulty switch.	Charge and re-install battery; Disengage trigger lock; Contact customer support.
Low power/torque	Battery low; Incorrect speed setting; Worn-out carbon brushes (if applicable, though this model is brushless); Overload.	Recharge battery; Select higher speed mode; Reduce load; Contact customer support.

Problem	Possible Cause	Solution
Tool stops during operation	Overload protection activated; Battery depleted; Overheating.	Reduce load; Recharge battery; Allow tool to cool down.
Battery not charging	Charger not plugged in; Faulty battery or charger; Battery too hot/cold.	Check power connection; Allow battery to reach room temperature; Contact customer support.

Specifications

Feature	Detail
Brand	SOARFLY
Model Number	BS-2
Drive Size	1/2 inch
Max Torque	900 ft-lbs (1200N.m)
Motor Type	Brushless
Voltage	21 volts
Battery Capacity	2x 4.0Ah Lithium-Ion
No-Load Speed	0-3000 RPM (3-speed adjustable)
Item Weight	3.2 kg (approx. 7 lbs)
Material	Tungsten Steel Shaft, Aluminum Alloy Head
Included Components	Impact Wrench, 2 Batteries, Charger, 5 Sockets, Extension Bar, Carry Case

Warranty and Support

SOARFLY is committed to providing high-quality products and excellent customer service. Your SOARFLY Cordless Impact Wrench comes with the following support:

- **30-Day No Question Asked Return:** If you are not satisfied with your purchase, you may return it within 30 days.
- **3-Year Free Replacement:** Enjoy a 3-year free replacement policy without the need for returns for qualifying issues.
- **Lifetime Customer & Technical Support:** SOARFLY provides ongoing customer and technical assistance for the lifetime of the product.
- **24/7 Customer Support:** Our support team is available 24 hours a day, 7 days a week to assist you.

For any inquiries, technical assistance, or warranty claims, please contact SOARFLY customer service through the retailer's platform or visit the official SOARFLY website.



Image: SOARFLY customer support and warranty information.

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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.

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