Skil 6239-01

SKIL 5.5A 3/8" Corded Drill - Model 6239-01

User Instruction Manual

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your SKIL 5.5A 3/8" Corded Drill, Model 6239-01. Designed for everyday DIY tasks, this powerful 5.5 amp variable speed drill is suitable for drilling through various materials including mild steel, hardwood, and softwood. Its mid-grip design ensures balance and control, while the keyless chuck allows for quick bit changes. Non-slip bumpers protect both your work surface and the tool.



Figure 1: The SKIL 5.5A 3/8" Corded Drill, Model 6239-01.

Safety Information

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions provided in this manual before use. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves.
- Ensure the work area is 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.

- Do not overreach. Keep proper footing and balance at all times.
- Secure workpiece. Use clamps or other practical ways to secure and support the workpiece to a stable platform.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Included Components

Your SKIL 5.5A 3/8" Corded Drill package includes the following items:

- SKIL 5.5A 3/8" Corded Drill (Model 6239-01)
- Carrying Bag
- User Manual

Setup

1. Attaching and Changing Drill Bits

This drill features a keyless chuck for fast and easy bit changes. To insert a drill bit:

1. Ensure the drill is unplugged from the power source.
2. Grip the rear collar of the chuck firmly with one hand.
3. Rotate the front collar counter-clockwise with your other hand until the chuck jaws are open wide enough to accept the drill bit.
4. Insert the drill bit fully into the chuck, ensuring it is centered.
5. Rotate the front collar clockwise until the chuck jaws firmly grip the drill bit. Hand-tighten securely.



Figure 2: Inserting a drill bit into the keyless chuck.

2. Power Connection

The SKIL 6239-01 is a corded electric drill. Connect the power cord to a standard 120 Volt AC outlet. Ensure the cord is not tangled or in a position where it could be tripped over or damaged during operation.



Figure 3: The SKIL drill with its integrated power cord.

Operating Instructions

1. Turning On/Off and Variable Speed Control

The drill is activated by pressing the trigger switch. The variable speed trigger allows you to control the drilling speed based on the pressure applied. Pressing the trigger further increases the speed. Release the trigger to turn the drill off.

2. Forward and Reverse Operation

A directional switch, typically located above the trigger, allows you to select forward or reverse rotation. Push the switch to the left for forward rotation (for drilling and driving screws) and to the right for reverse rotation (for removing screws or backing out bits).

3. Using the Built-in Level

The SKIL 6239-01 features a built-in level on top of the tool body. This level assists in maintaining a straight and accurate drilling angle, particularly useful for applications requiring precise alignment.



Figure 4: The built-in level for accurate drilling.

4. General Drilling Techniques

- Always start drilling at a slow speed to prevent the bit from "walking" on the surface.
- Apply steady, even pressure. Do not force the drill.
- For deeper holes, periodically withdraw the bit to clear chips and allow the bit to cool.
- When drilling metal, use a cutting lubricant to prolong bit life and improve cutting efficiency.



Figure 5: Drilling into a metal surface.



Figure 6: Drilling into a wooden stud.

Maintenance

1. Cleaning

Regular cleaning helps maintain the performance and longevity of your drill. Disconnect the drill from the power source before cleaning.

- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.
- Clean the chuck jaws regularly to ensure proper bit gripping.

2. Storage

When not in use, store the drill in a clean, dry place, out of reach of children. Use the provided carrying bag for protection.

Troubleshooting

Problem	Possible Cause	Solution
Drill does not start	No power supply; Faulty power cord/outlet; Trigger switch issue.	Check power connection and outlet. Ensure trigger is fully depressed. If problem persists, seek professional service.

Problem	Possible Cause	Solution
Bit slips in chuck	Chuck not tightened sufficiently; Dirty chuck jaws; Damaged bit shank.	Ensure bit is fully inserted and chuck is hand-tightened. Clean chuck jaws. Replace damaged bits.
Overheating	Blocked ventilation slots; Excessive load; Continuous use.	Clear ventilation slots. Reduce pressure. Allow tool to cool down.

Specifications

Feature	Detail
Brand	Skil
Model Number	6239-01
Power Source	Corded Electric
Voltage	120 Volts
Amperage	5.5 Amps
Maximum Rotational Speed	2700 RPM
Maximum Chuck Size	3/8" (10 Millimeters)
Cord Length	6 Feet
Item Weight	3.31 Pounds
Product Dimensions	9.45"L x 2.95"W x 8.86"H
Special Feature	Variable Speed, Built-in Level

Warranty and Support

Your SKIL 5.5A 3/8" Corded Drill, Model 6239-01, is covered by a**Limited 1 Year Warranty**. Please refer to the official user manual for complete warranty terms and conditions.
For detailed instructions, safety guidelines, and further support, you can download the complete User Manual in PDF format:

Download User Manual (PDF)

For additional assistance, please visit the official Skil website or contact their customer support.

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