SKIL F0156221AA

Skil 6221AA Energy Line Corded Drill Driver User Manual

Model: F0156221AA | Brand: SKIL

1. Product Overview

The Skil 6221AA Energy Line Corded Drill Driver is a versatile and powerful tool designed for both drilling and screwdriving tasks. Featuring a robust 38 Nm torque and a 2-speed gearbox, it offers precise control for various applications. Its 6-meter power cable provides extended reach and consistent power without the need for battery charging.

Key Features:

- **Power Input:** 0.9 Ah
- **No-load Speed:** 0-400 / 1600 rpm (2-speed)
- **Maximum Torque:** 38 Nm
- **Chuck:** 10 mm keyless auto-chucking
- **Capacity:** Wood (20mm), Steel (8mm), Screws (6mm)
- **Cable Length:** 6 meters



Figure 1.1: Front view of the Skil 6221AA Corded Drill Driver, highlighting its compact design and keyless chuck.



Figure 1.2: Side view of the drill driver, showing the torque settings and speed selector.



Figure 1.3: Top view of the drill driver, illustrating the ergonomic grip and power cord connection.

2. Setup

2.1 Attaching/Removing Bits

1. **Open the Chuck:** Rotate the chuck counter-clockwise until the jaws are wide enough to insert the bit.
2. **Insert Bit:** Fully insert the drill bit or screwdriver bit into the chuck.
3. **Tighten Chuck:** Rotate the chuck clockwise firmly to secure the bit. Ensure the bit is centered and held tightly to prevent slippage during operation.

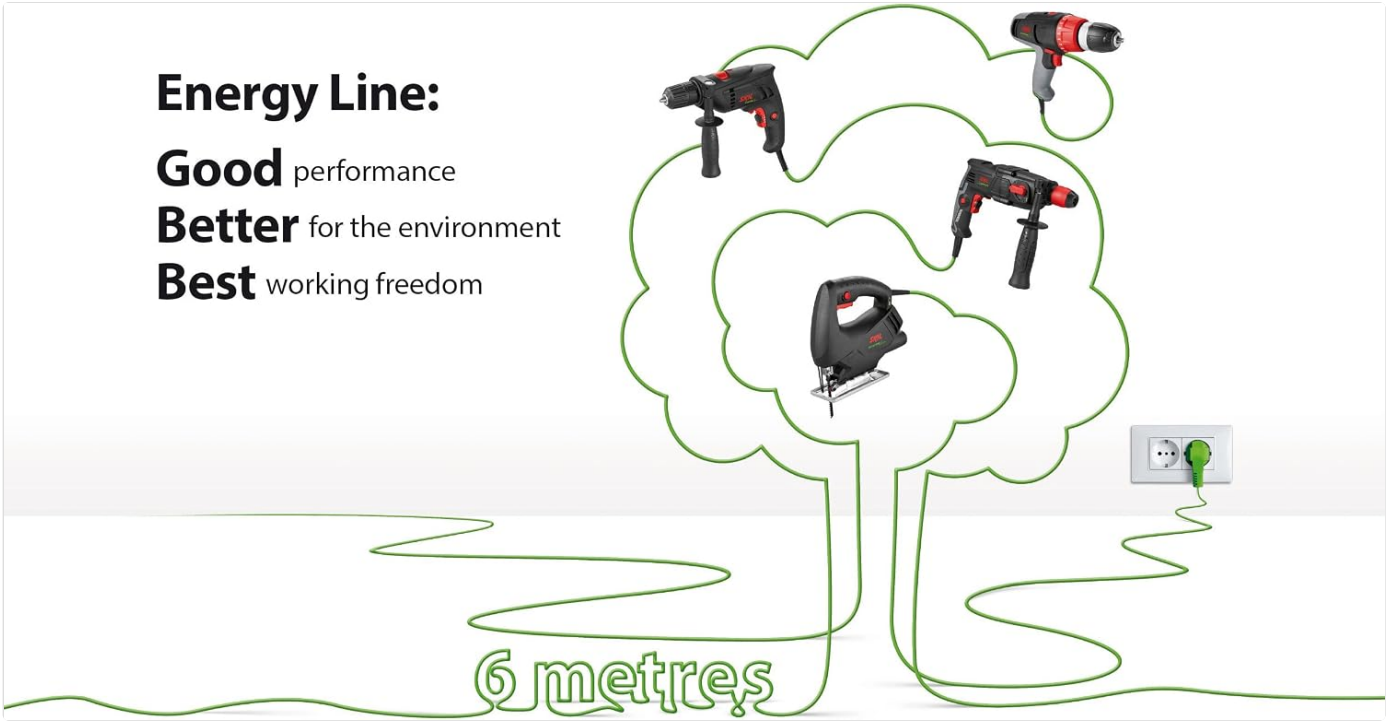


Figure 2.1: Proper method for inserting a drill bit into the keyless chuck.

2.2 Connecting to Power

The Skil 6221AA is a corded tool. Connect the 6-meter power cable to a standard electrical outlet (240V). Ensure the cable is not damaged and is positioned to avoid tripping hazards or entanglement with the workpiece.



Figure 2.2: The 6-meter power cable provides ample reach for various tasks.

3. Operating

3.1 Powering On/Off

To turn the tool on, press the trigger switch. The speed is variable depending on how much you press the trigger. To turn off, release the trigger switch.

3.2 Speed Selection

The drill driver features a 2-speed gearbox. Use the speed selector switch located on top of the tool to choose between:

- **Low Speed (Gear 1):** For high torque applications like screwdriving or drilling large diameter holes. (0-400 rpm)
- **High Speed (Gear 2):** For faster drilling in smaller diameters or materials requiring less torque. (0-1600 rpm)

3.3 Torque Setting (Clutch)

The adjustable torque ring allows you to set the desired torque for screwdriving applications. This prevents overtightening screws and damaging the workpiece or screw head. Rotate the ring to select a setting from 1 to 20. The higher the number, the greater the torque. For drilling, select the drill symbol setting for maximum torque.

3.4 Forward/Reverse Switch

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (screwing in, drilling) and to the right for reverse rotation (removing screws, backing out bits).



Figure 3.1: The drill driver in use for drilling into wood.

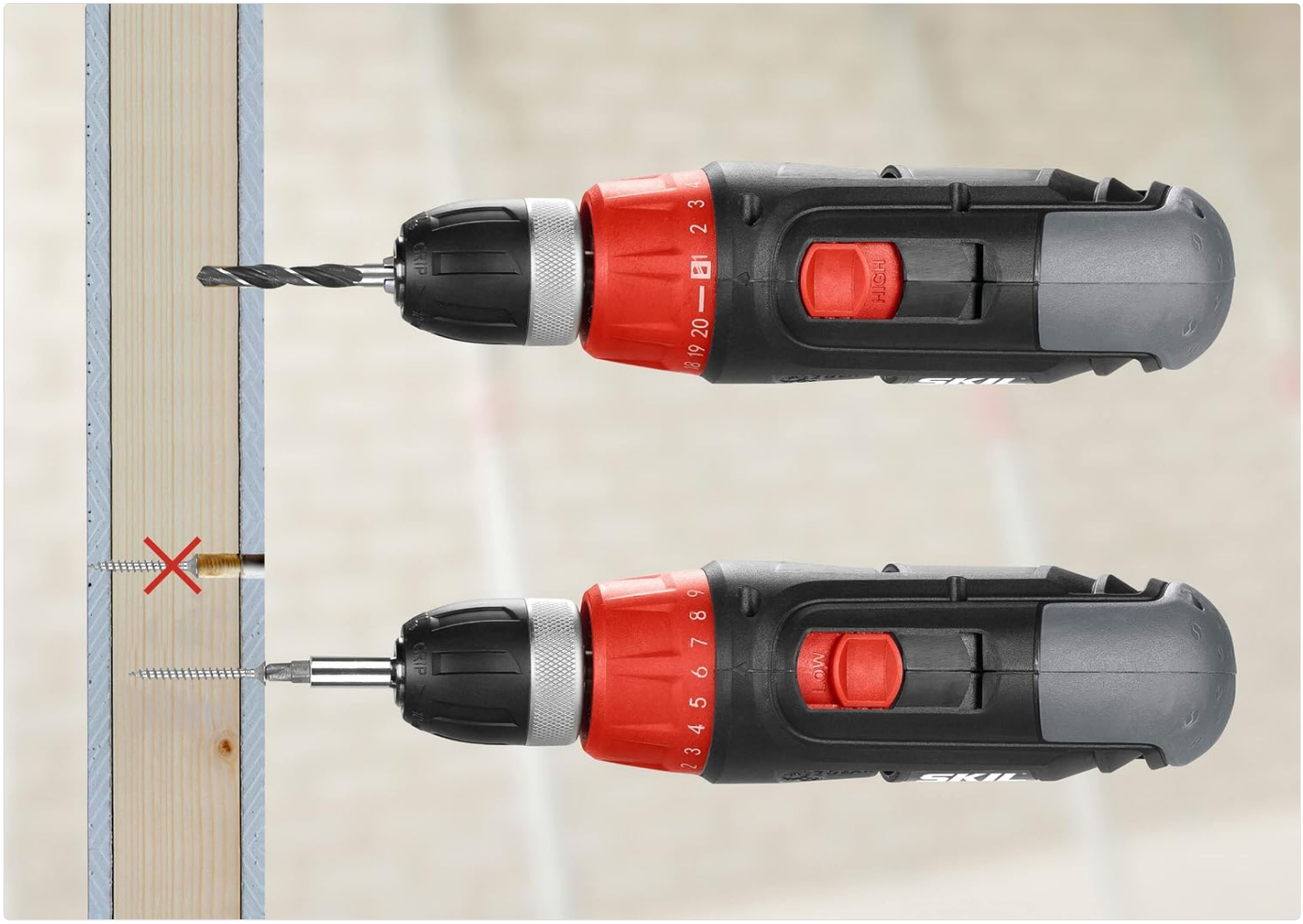


Figure 3.2: Illustrating the tool's capability for both drilling and precise screwdriving.



Figure 3.3: The tool is suitable for assembly tasks such as installing cabinet hinges.



Figure 3.4: The lightweight design allows for overhead drilling applications.

4. Maintenance

4.1 Cleaning

Regularly clean the ventilation openings of the tool to prevent overheating. Use a soft, dry cloth to wipe down the housing. Do not use water or chemical cleaners.

4.2 Storage

Store the tool in a dry, secure place, out of reach of children. Protect the power cable from damage by coiling it neatly and avoiding sharp bends.

4.3 Cord Inspection

Before each use, inspect the power cord for any cuts, fraying, or damage. Do not use the tool if the cord is damaged; have it repaired by a qualified professional.

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5. Troubleshooting

5.1 Tool Does Not Turn On

- Check if the power cable is securely plugged into a working electrical outlet.
- Ensure the outlet itself is receiving power (test with another appliance).
- Inspect the power cable for visible damage.

5.2 Bit Slipping in Chuck

- Ensure the chuck is tightened firmly by hand.
- Check if the bit shank is clean and free of debris.
- Verify that the bit is fully inserted into the chuck.

5.3 Overheating During Use

- Ensure the ventilation slots are clear of dust and debris.
- Avoid continuous heavy-duty operation without breaks.
- Allow the tool to cool down if it feels excessively hot.

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6. Specifications

Feature	Specification
Manufacturer	Skil
Model Reference	F0156221AA
Product Dimensions (L x W x H)	24.4 x 7.4 x 28.8 cm
Weight	1.62 kg
Color	Black

Feature	Specification
Style	Corded Drill Driver - 6-meter Cable
Material	Metal
Power Source	Corded Electric
Voltage	240 Volts
Power	100 Watts
Maximum Power	3840 Watts
Torque	38 Newton-meters
Quantity of Items	1
Cord Length	6 Meters
Speed	1600 rpm
Special Features	Compact, Corded
Included Components	Drill
Max Chuck Size	10 Millimeters
Amperage	16 A

7. Warranty and Support

For detailed warranty information and customer support, please refer to the official SKIL website or contact SKIL customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

SKIL Official Website: www.skil.com

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