

## SKIL F.015.978.0AA

# Skil F015 9780 AA Angle Grinder 2000 W 230 mm User Manual

Model: F.015.978.0AA

## 1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe and effective operation, maintenance, and setup of your Skil F015 9780 AA Angle Grinder. Please read this manual thoroughly before using the tool to ensure your safety and prevent damage.

### General Safety Guidelines

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep bystanders, especially children, away from the work area.
- Never operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the power plug from the power source before making any adjustments, changing accessories, or storing the tool.
- Secure the workpiece firmly before starting any operation.
- Do not force the tool; let the tool do the work at its intended speed.
- Regularly inspect the power cord for damage. If damaged, have it repaired by a qualified professional.

### Product Overview

The Skil F015 9780 AA is a powerful angle grinder designed for heavy-duty applications such as grinding metal and cast iron, deburring, flattening weld seams, making deep cuts in metal, brushing metal, and cutting concrete or slabs. It features a 2000 W motor and accommodates discs up to 230 mm in diameter.



Image 1.1: Front view of the Skil F015 9780 AA Angle Grinder equipped with a diamond cutting disc. The tool features a robust housing, a red power button, and a protective guard.

## 2. SETUP

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### 2.1 Attaching the Side Handle

The side handle can be adjusted into three positions for optimal comfort and control. Screw the side handle firmly into one of the threaded holes on the gear housing. Ensure it is tightened securely before operation.

### 2.2 Installing/Changing the Grinding/Cutting Disc

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button to prevent the spindle from rotating.
3. Use the accessory key (spanner) to loosen the clamping nut by turning it counter-clockwise.
4. Remove the clamping nut and the old disc.
5. Clean the flanges and the new disc. Place the new disc onto the lower flange, ensuring it is correctly seated.
6. Replace the clamping nut and tighten it clockwise using the accessory key while holding the spindle lock button. Do not overtighten.



Image 2.1: Close-up view of hands demonstrating the process of changing a grinding disc on the Skil angle grinder. An accessory key is used to loosen the clamping nut while the spindle lock is engaged.

## 2.3 Adjusting the Protective Guard

The protective guard must always be used and adjusted to ensure maximum safety during operation. Loosen the guard's clamping screw, rotate the guard to cover the maximum possible area of the disc towards the operator, and then securely tighten the clamping screw.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Switching On/Off

- To switch on: Press the ON/OFF switch.
- To switch off: Release the ON/OFF switch. For continuous operation, press the switch and then press the lock-on button. To switch off from continuous operation, press the ON/OFF switch again.

### 3.2 Grinding and Cutting Techniques

Always hold the angle grinder firmly with both hands. Apply moderate pressure and allow the disc to do the work. Avoid excessive pressure, which can lead to kickback or disc damage.



Image 3.1: A person wearing safety glasses, ear protection, and a dust mask, using the Skil angle grinder to cut a concrete slab. The grinder is held firmly, and sparks are visible, indicating active cutting.

When cutting metal, ensure sparks are directed away from your body and flammable materials. For concrete or masonry, use appropriate diamond cutting discs and consider wet cutting methods to reduce dust, if applicable to

your model and disc type.



Image 3.2: A person operating the Skil angle grinder to cut a metal pipe, producing a shower of sparks. The operator is wearing protective gloves, and the tool is held securely with both hands.

## 4. MAINTENANCE

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### 4.1 Cleaning

Regularly clean the ventilation slots of the angle grinder to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaning agents.

### 4.2 Storage

Store the tool in a dry, secure place out of reach of children. Ensure the power cord is not kinked or damaged during storage.

### 4.3 Carbon Brush Replacement

This model may feature user-replaceable carbon brushes. If the motor performance decreases significantly or sparks become excessive, the carbon brushes may need replacement. Refer to a qualified service technician or the detailed service manual for specific instructions, as improper replacement can damage the tool.

## 5. TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Faulty switch	Check power connection; Inspect cord for damage (replace if necessary by professional); Contact service center
Excessive vibration	Disc improperly installed; Damaged disc; Loose components	Re-install disc correctly; Replace damaged disc; Check all fasteners for tightness
Reduced performance/Overheating	Blocked ventilation slots; Worn carbon brushes; Overloading the tool	Clean ventilation slots; Replace carbon brushes (if applicable, by professional); Reduce load, allow tool to cool
Excessive sparking from motor	Worn carbon brushes; Dirty commutator	Replace carbon brushes (if applicable, by professional); Have commutator cleaned by service center

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Skil customer support or an authorized service center.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	F.015.978.0AA
Brand	SKIL
Power Input	2000 W
Voltage	240 Volts
No-load Speed	6000 rpm
Max. Disc Diameter	230 mm
Power Source	Corded Electric
Weight	5.9 kg (13.01 lbs)
Dimensions (L x W x H)	1 x 1 x 1 cm (Note: These dimensions are often generic; actual tool size will be larger)
Included Components	Protective guard, Accessory key, Flange set, Side handle
Material	Metal, Cast Iron

## 7. WARRANTY AND SUPPORT

Specific warranty information for your Skil F015 9780 AA Angle Grinder may vary by region and purchase date.

Please refer to the warranty card included with your product or visit the official Skil website for detailed warranty terms and conditions.

For technical support, spare parts, or service inquiries, please contact your local Skil service center. Contact information can typically be found on the Skil website or in the documentation provided with your tool.

**Manufacturer:** Skil

**ASIN:** B0014GS23Q