

## Fein CCG 18-115-12 AS

# Fein Cordless Angle Grinder CCG 18-115-12 AS Instruction Manual

Model: CCG 18-115-12 AS | Brand: Fein

## 1. INTRODUCTION

---

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Fein Cordless Angle Grinder CCG 18-115-12 AS. This powerful and dust-resistant tool is designed for cutting, grinding, and deburring work on various materials. It features an 18V brushless motor, a 115 mm grinding wheel diameter, and is compatible with AMPShare ProCORE batteries.

## 2. SAFETY INSTRUCTIONS

---

Always observe the following safety precautions to prevent injury and damage to the tool:

- **Wear Personal Protective Equipment (PPE):** Always use safety glasses, hearing protection, gloves, and a dust mask.
- **Secure Workpiece:** Ensure the material being worked on is firmly clamped or secured to prevent movement during operation.
- **Maintain Proper Grip:** Hold the angle grinder firmly with both hands, ensuring a stable stance.
- **Check for Damage:** Before each use, inspect the tool, battery, and accessories for any damage. Do not use damaged equipment.
- **Use Correct Accessories:** Only use grinding and cutting discs that are rated for the tool's speed and diameter (115 mm).
- **Adjust Guard:** Ensure the protective guard is correctly positioned to deflect sparks and debris away from you.
- **Avoid Overreaching:** Maintain balance and control at all times.
- **Keep Work Area Clear:** Remove flammable materials and ensure adequate ventilation.
- **Disconnect Power:** Always remove the battery pack before making any adjustments, changing accessories, or performing maintenance.
- **Restart Protection:** The tool features restart protection. If power is interrupted, the tool will not restart automatically when power is restored.
- **Electronic Overload Protection:** The tool will shut off if overloaded to prevent damage. Reduce pressure and allow

the tool to cool.

### 3. PACKAGE CONTENTS

---

Verify that all items are present in the package:

- 1 x Fein Cordless Angle Grinder CCG 18-115-12 AS
- 1 x Separation Protection Cover
- 1 x Tool-free Quick Release Nut
- 1 x Anti-vibration Handle
- 1 x Key (for disc changes if not using quick release)
- 1 x Plastic Tool Box (L-BOXX 238)

### 4. SETUP

---

Before operating the angle grinder, ensure it is properly assembled and configured.

#### 4.1 Battery Installation

1. Ensure the battery is fully charged. The Fein Cordless Angle Grinder is compatible with all 18V AMPShare ProCORE batteries.
2. Align the battery pack with the battery port on the tool.
3. Slide the battery into the port until it clicks securely into place.
4. To remove, press the release button on the battery and slide it out.

#### 4.2 Guard Adjustment

The separation protection cover must always be used. Adjust its position to provide maximum protection for the specific application.

- Loosen the guard's locking mechanism.
- Rotate the guard to the desired position, ensuring it deflects sparks and debris away from the operator.
- Tighten the locking mechanism securely.

#### 4.3 Disc Installation (Grinding/Cutting)

Always ensure the battery is removed before changing discs.

1. Press and hold the spindle lock button.
2. If using the tool-free quick release nut: Unscrew the quick release nut by hand. Remove the old disc and the lower flange.
3. Place the new 115 mm grinding or cutting disc onto the spindle, ensuring it sits correctly on the lower flange.
4. Screw the quick release nut back on and tighten it firmly by hand. Release the spindle lock.
5. If using a standard nut and key: Use the provided key to loosen and tighten the nut.



*Image: A user demonstrating the installation of a grinding disc onto the angle grinder. The tool-free quick release nut is visible.*

#### **4.4 Anti-vibration Handle Attachment**

Attach the anti-vibration handle to either side of the gear housing for improved comfort and control during operation.

- Screw the anti-vibration handle into one of the threaded holes on the side of the grinder head.
- Tighten it securely by hand.

## 5. OPERATING INSTRUCTIONS

---

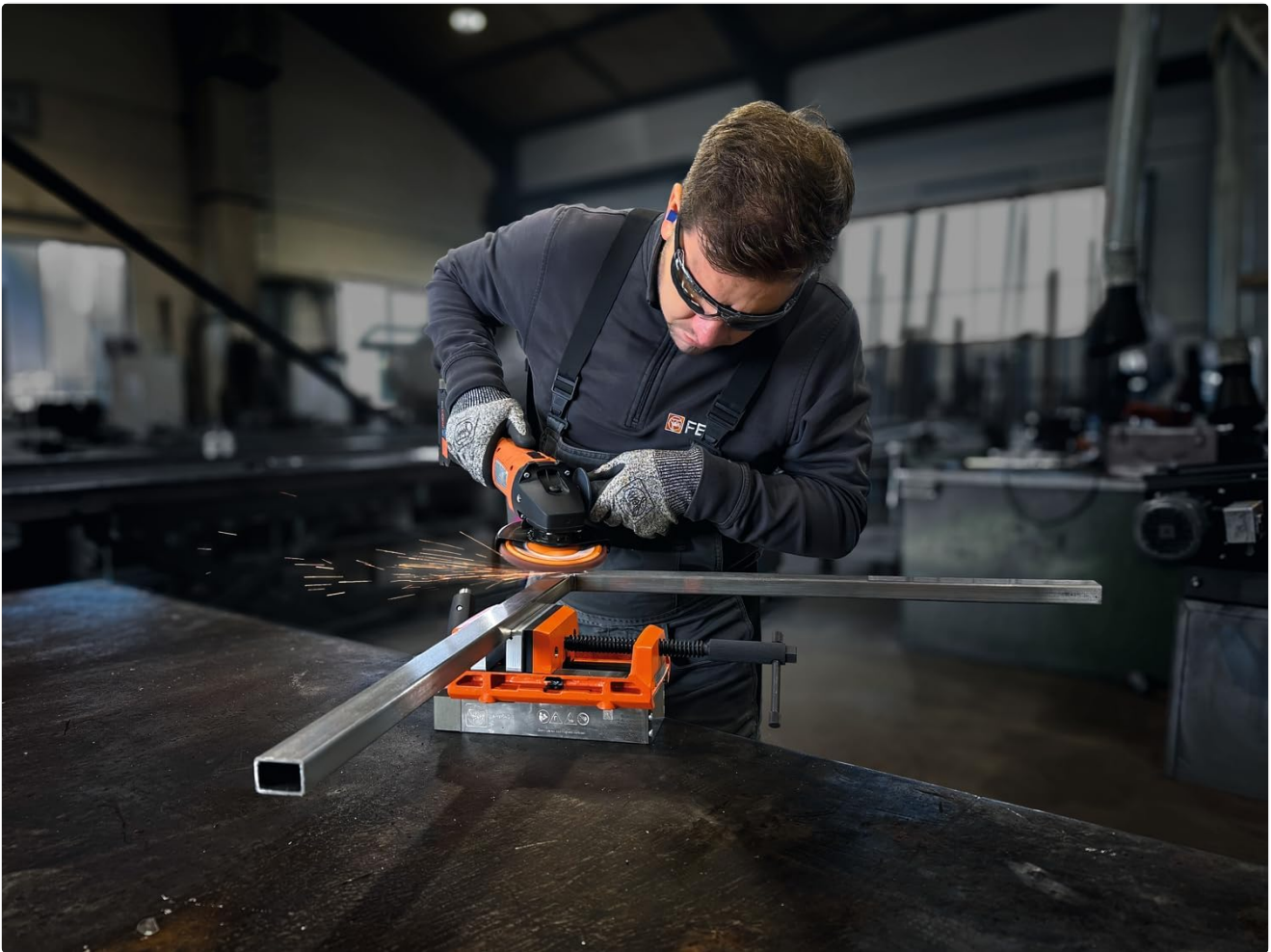
Familiarize yourself with the tool's controls and proper operating techniques.

### 5.1 Powering On/Off and Speed Preselection

- **Switching On:** Slide the power switch forward. The tool features a soft start function for smooth power-up.
- **Switching Off:** Slide the power switch backward to the OFF position.
- **Electronic Speed Preselection:** Use the speed dial to select the desired idle speed between 2,500 and 8,500 min<sup>-1</sup>. Adjust the speed according to the material and application.

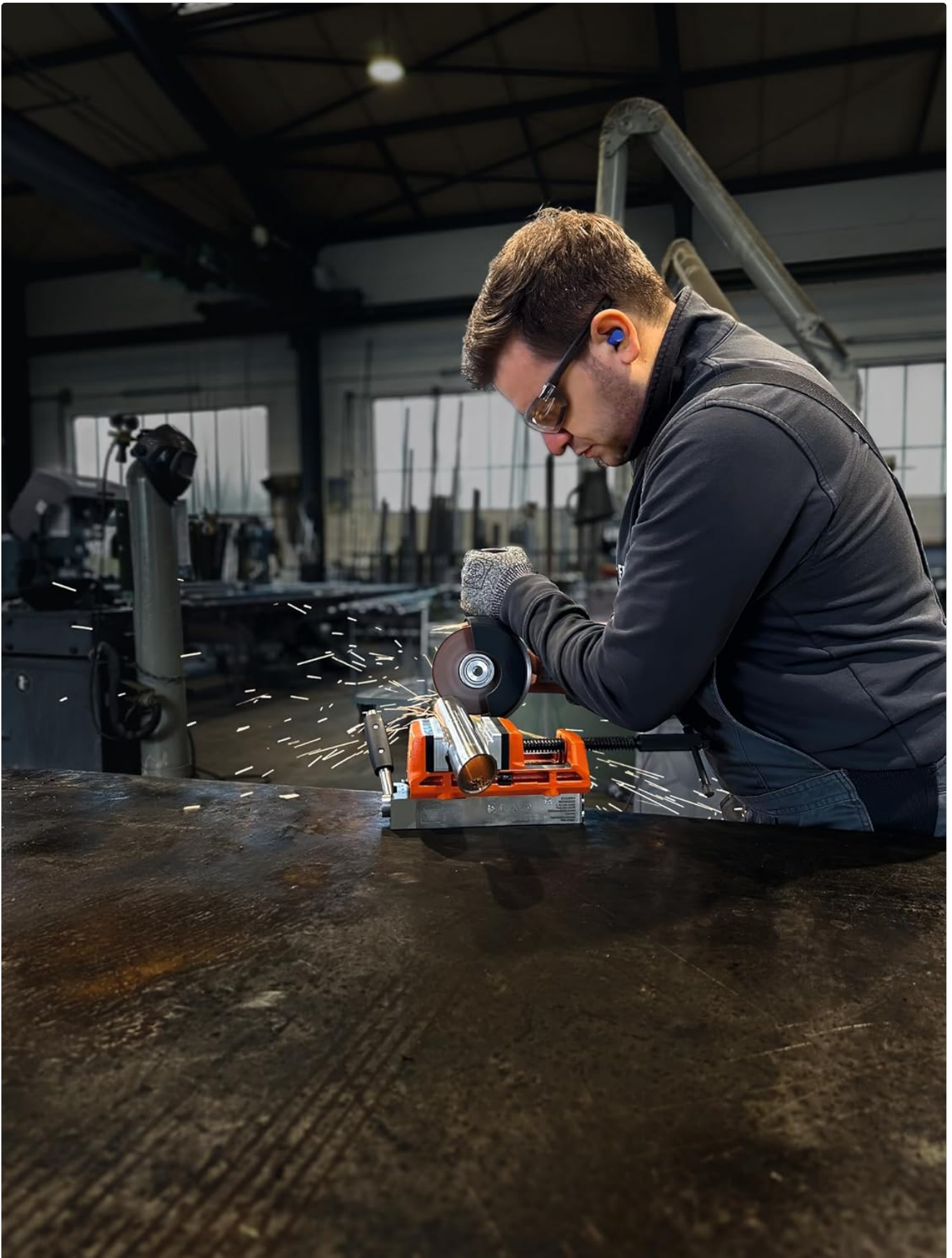
### 5.2 Cutting and Grinding Techniques

Always maintain a firm grip and stable body position. Let the tool do the work; avoid excessive pressure.

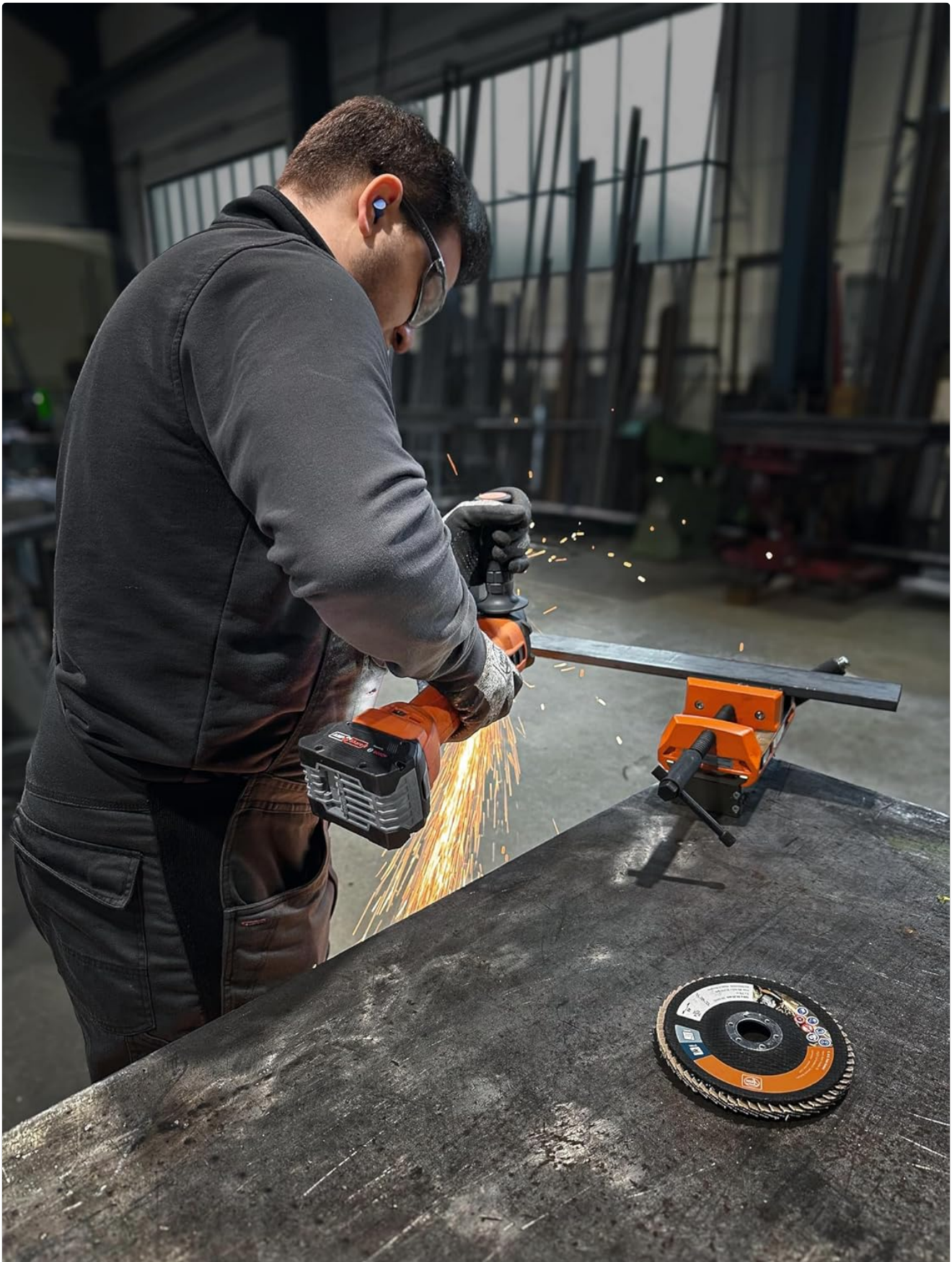


*Image: A worker grinding a metal bar with the Fein angle grinder, demonstrating proper technique and safety gear.*

- **Grinding:** Apply light, even pressure. Move the grinder smoothly across the surface. The tool's vibration damper helps ensure smooth operation.
- **Cutting:** For cutting, use a cutting disc and ensure the workpiece is securely clamped. Make straight cuts, allowing the disc to cut without forcing it.



*Image: A worker cutting a metal pipe with the Fein angle grinder, showing the sparks generated during the process.*



*Image: A worker performing a cutting operation on a metal bar with the Fein angle grinder, highlighting the tool's performance.*

### 5.3 Advanced Features

- **Blocking Monitoring:** The tool is equipped with blocking monitoring, which helps prevent kickback if the disc jams.
- **Temperature Monitoring:** Innovative cooling fin technology and temperature monitoring protect the motor and battery from overheating during intensive use.

## 6. MAINTENANCE

---

Regular maintenance ensures the longevity and optimal performance of your angle grinder.

- **Cleaning:** The robust motor housing is designed to be dust resistant. Regularly clean the tool's ventilation slots and exterior with a soft brush or compressed air to remove dust and debris. Ensure the battery is removed before cleaning.
- **Disc Inspection:** Before each use, inspect grinding and cutting discs for cracks, chips, or excessive wear. Replace damaged or worn discs immediately.
- **Battery Care:** Store batteries in a cool, dry place. The Coolpack 2.0 technology helps extend battery life; however, avoid fully discharging batteries and charge them regularly.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Ensure the guard operates smoothly and locks securely.

## 7. TROUBLESHOOTING

---

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly inserted. Restart protection activated.	Ensure battery is charged and correctly inserted. Cycle the power switch (OFF then ON) to reset restart protection.
Tool stops during operation.	Electronic overload protection activated. Battery low. Temperature monitoring activated.	Reduce pressure on the tool. Replace or recharge battery. Allow tool to cool down.
Excessive vibration.	Damaged or improperly installed disc. Loose handle.	Inspect and replace disc if damaged. Ensure disc is correctly installed and nut is tightened. Tighten anti-vibration handle.
Reduced cutting/grinding performance.	Worn or incorrect disc. Incorrect speed setting.	Replace with a new, appropriate disc. Adjust speed setting for the material.

## 8. SPECIFICATIONS

---

Technical data for the Fein Cordless Angle Grinder CCG 18-115-12 AS:

- **Model:** CCG 18-115-12 AS
- **Battery Voltage:** 18 V
- **Battery Compatibility:** Li-ion/ProCORE Li-ion (AMPSHare compatible)
- **Motor:** Brushless
- **Idle Speed:** 2,500 - 8,500 min<sup>-1</sup> (stepless electronic speed preselection)
- **Grinding Wheel Diameter:** 115 mm
- **Elastic Sanding Disc Diameter:** 115 mm
- **Flanges:** M 14
- **Weight (without battery):** 2.20 kg
- **Product Dimensions (L x W x H):** 35.7 x 25.3 x 44.2 cm
- **Material:** Metal, aluminium, copper, plastic

- **Functions:** Soft start, Restart protection, Electronic overload protection, Electronic speed preselection, Blocking monitoring, Vibration damper (4 additional), Temperature monitoring (Coolpack 2.0 technology)

## 9. WARRANTY AND SUPPORT

---

For warranty information, technical support, or service inquiries, please refer to the official Fein website or contact your authorized Fein dealer. Keep your purchase receipt as proof of purchase.

**Fein Official Website:** [www.fein.com](http://www.fein.com)