

## Fein CG 10-115 PDE

# Fein 4-1/2" Compact Angle Grinder User Manual

Model: CG 10-115 PDE | Brand: Fein

## 1. PRODUCT OVERVIEW

The Fein 4-1/2" Compact Angle Grinder (Model CG 10-115 PDE) is a high-performance power tool designed for efficient grinding, cutting, and deburring tasks. It features a powerful 1,140W motor and incorporates advanced safety features and dust protection for versatile applications in metalworking.



Image: The Fein CG 10-115 PDE Compact Angle Grinder, showcasing its orange and black body with the grinding wheel and side handle attached.

- **High-Performance 1,140W Motor:** Provides powerful performance for efficient grinding, cutting, and deburring tasks, enabling faster work completion even in demanding metalworking applications.
- **Extensive Safety Features:** Equipped with a paddle switch that includes a dead-man function, requiring continuous hand pressure to operate, preventing accidental startups and enhancing user safety during use.
- **Compact Design with Rotating Drive Head:** Features a solid metal drive head that rotates in 90-degree increments for optimal positioning.
- **Dust Protection Grille:** Built-in dust protection grille shields the motor and components from abrasive dust particles, enhancing durability and helping to maintain the grinder's performance.
- **Tool-Free Accessory Changes:** Comes with a safety guard that can be adjusted quickly without tools, allowing fast modifications to suit different tasks, increasing convenience and maintaining essential safety standards.

## 2. SAFETY INFORMATION

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

### General Safety Guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep bystanders, children, and visitors away while operating the tool.
- Do not operate power tools 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.
- Maintain a firm grip on the tool with both hands during operation.

### Product-Specific Safety Features:

- **Paddle Switch with Dead-Man Function:** The tool will only operate when continuous pressure is applied to the paddle switch, immediately stopping if the switch is released. This prevents accidental startup and enhances user safety.
- **Dust Protection Grille:** Helps protect internal components from abrasive dust, contributing to safer and more reliable operation over time.

**Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 3. INCLUDED COMPONENTS

The Fein 4-1/2" Compact Angle Grinder typically includes the following components:

- 1 x Guard for hubbed wheels
- 1 x Pair of flanges
- 1 x Additional handle
- 1 x Wrench

## 4. SETUP AND ASSEMBLY

Before first use, ensure all components are present and undamaged. Follow these steps for basic setup:

1. **Attach the Additional Handle:** Screw the additional handle securely into one of the designated mounting points on the grinder. Ensure it is tightened firmly for safe operation.
2. **Install the Safety Guard:** The safety guard is designed for tool-free adjustment. Position the guard to provide maximum protection for your specific application and secure it firmly.
3. **Mount the Grinding Wheel/Accessory:** Place the inner flange onto the spindle, then position the desired grinding wheel or accessory. Secure it with the outer flange and tighten using the provided wrench. Always ensure the accessory is compatible with the grinder's specifications and properly seated.

# WITH PADDLE SWITCH AND DEAD-MAN FUNCTION FOR COMPLEX DEBURRING, GRINDING, AND CUTTING WORK



Image: Close-up of the Fein Angle Grinder, highlighting the paddle switch and its compact design, suitable for complex deburring, grinding, and cutting work.

## 5. OPERATING INSTRUCTIONS

This section provides general guidance for operating your Fein Angle Grinder. Always refer to specific accessory instructions for detailed usage.

- Power Connection:** Connect the grinder to a suitable 120V power outlet. Ensure the power cord is not damaged and is positioned safely to avoid tripping hazards.
- Starting the Tool:** To start the grinder, firmly press and hold the paddle switch. The tool will only operate as long as the switch is depressed.
- Stopping the Tool:** Release the paddle switch to immediately stop the grinder. Allow the grinding wheel to come to a complete stop before setting the tool down.
- Grinding and Cutting:** Apply steady, even pressure to the workpiece. Avoid excessive force, which can lead

to kickback or damage to the tool/accessory. Always work with the appropriate accessory for the material and task.

5. **Workpiece Security:** Always secure the workpiece firmly to prevent movement during operation.

## Demonstration Video:

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Video: An official product video from Fein demonstrating the angle grinder's use for versatile grinding and cutting applications. This video highlights the tool's performance and safety features in a workshop environment.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Fein Angle Grinder.

- **Cleaning:** After each use, clean the tool thoroughly. Use a dry cloth to wipe down the exterior. Periodically clean the dust protection grille to ensure proper airflow and prevent motor overheating.
- **Inspection:** Regularly inspect the power cord for any signs of damage. Check the grinding wheel and other accessories for wear or damage before each use. Replace worn or damaged parts immediately.
- **Storage:** Store the grinder in a dry, secure location out of reach of children and unauthorized users.

## 7. TROUBLESHOOTING

If you encounter issues with your Fein Angle Grinder, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Paddle switch not fully depressed; Damaged power cord.	Check power outlet and connection; Ensure paddle switch is fully engaged; Inspect power cord for damage and replace if necessary.
Excessive vibration during operation.	Improperly mounted accessory; Worn or damaged grinding wheel.	Ensure accessory is correctly and securely mounted; Replace the grinding wheel if it is worn or damaged.
Tool overheats.	Blocked dust protection grille; Continuous heavy use.	Clean the dust protection grille; Allow the tool to cool down during prolonged use.

For issues not listed here or if problems persist, contact Fein customer support.

## 8. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Brand	Fein
Model	CG 10-115 PDE
Part Number	72226060120
Material	Plastic, Metal
Power Source	Electric
Voltage	120 Volts
Wattage	1140 Watts
Maximum Rotational Speed	10500 RPM
Item Weight	7.61 pounds
Product Dimensions	21 x 13 x 5 inches

## 9. WARRANTY AND SUPPORT

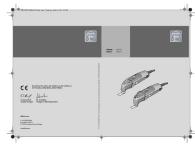
Fein products are known for their quality and durability. For specific warranty details, please refer to the warranty card included with your product or visit the official Fein website.

For customer support, technical assistance, or to find authorized service centers, please visit the [Fein Store on Amazon](#) or the official Fein website.

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## Related Documents - CG 10-115 PDE

	<p><a href="#">FEIN CG7-100, CG7-115, CG7-125 Angle Grinder User Manual</a></p> <p>Comprehensive user manual for FEIN CG7-100, CG7-115, and CG7-125 angle grinders, covering operation, safety, and technical specifications.</p>
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	<p><a href="#"><b>FEIN CCG18 Akülü Avcılama Makinesi Kullanım Kılavuzu</b></a>      FEIN CCG18 serisi akülü avcılık makineleri için kapsamlı kullanım kılavuzu. Güvenlik talimatları, teknik özellikler ve çalışma bilgileri içerir.</p>
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	<p><a href="#"><b>FEIN 12V Cordless Power Tools: Drills, Drivers, and Impact Wrenches</b></a>      Discover the robust and powerful FEIN 12V cordless power tool range, featuring brushless motors, advanced battery technology, and ergonomic designs for professional metalworking and general applications. Includes drills, drivers, and impact wrenches.</p>
	<p><a href="#"><b>FEIN GHB 15-50 &amp; GHB 15-50 INOX Bandschleifer Bedienungsanleitung</b></a>      Umfassende Bedienungsanleitung für die FEIN GHB 15-50 und GHB 15-50 INOX Bandschleifer. Enthält Sicherheitshinweise, Bedienungsanleitungen, technische Daten und Wartungsinformationen.</p>
	<p><a href="#"><b>FEIN Dustex 25L &amp; 35L Dust Extractor: User Manual &amp; Technical Specifications</b></a>      Comprehensive user manual and technical specifications for the FEIN Dustex 25L and Dustex 35L dust extractors. Learn about operation, maintenance, safety, and troubleshooting for these industrial vacuum cleaners.</p>