

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Stanley](#) /
- › [Stanley FATMAX 850W 115mm Corded Angle Grinder User Manual FMEG210K-QS](#)

Stanley FMEG210K-QS

Stanley FATMAX 850W 115mm Corded Angle Grinder

MODEL: FMEG210K-QS USER MANUAL

1. Product Overview

The Stanley FATMAX FMEG210K-QS is a powerful and robust 850W 115mm corded angle grinder designed for intensive use. It features a durable metal casing, high-quality carbon brushes, and a comfortable grip coating for enhanced user experience. This tool is equipped with an anti-restart system for increased safety during operation.



Figure 1: Stanley FATMAX Angle Grinder FMEG210K-QS with its included carrying case.

Components:

- **Angle Grinder Body:** The main unit housing the motor and gears.
- **Side Handle:** A 3-position auxiliary handle for improved control and comfort.
- **Guard:** Protects the user from sparks and debris. Includes both open and closed guards.
- **Spindle Lock Button:** Used to lock the spindle for easy disc changes.
- **Power Switch:** Equipped with an anti-restart system for safety.
- **Integrated Wrench:** Stored within the side handle for convenient disc tightening.
- **Carbon Brush Access:** Easy access for maintenance of carbon brushes.



Figure 2: Close-up of the angle grinder, showing the main body, side handle, and guard.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this tool.

General Power Tool Safety:

- **Work Area Safety:** Keep work area clean and well lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety goggles), hearing protection, and appropriate respiratory protection. Use personal protective equipment such as non-skid safety shoes and a hard hat when necessary. Dress properly; do not wear loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Angle Grinder Specific Safety:

- **Guards:** Always use the appropriate guard for the type of operation. Ensure the guard is securely attached and positioned for maximum safety.
- **Discs:** Use only discs that are rated for the maximum RPM of the grinder (12000 rpm). Inspect discs for damage before use.
- **Kickback:** Be aware of kickback, which is a sudden reaction to a pinched or snagged rotating wheel. Always maintain a firm grip on the tool.
- **Anti-Restart System:** This grinder is equipped with an anti-restart system. If power is interrupted during operation, the tool will not restart automatically when power is restored. You must manually cycle the power switch to restart the tool.
- **Ventilation:** Do not block the ventilation openings. Keep them clean to prevent overheating.

3. Setup

3.1 Unpacking:

Carefully remove the angle grinder and all accessories from the carrying case. Inspect for any damage that may have occurred during shipping. Keep the packaging for future storage or transport.

3.2 Attaching the Side Handle:

The side handle can be screwed into one of three positions on the grinder head, depending on your preference and the application. Ensure it is tightened securely before use.

3.3 Installing/Changing Grinding Discs:

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Use the integrated wrench (located in the side handle) to loosen the outer flange nut by turning it counter-clockwise.
4. Remove the outer flange nut and the old disc.
5. Place the new disc onto the inner flange, ensuring it is seated correctly.
6. Replace the outer flange nut and tighten it clockwise using the integrated wrench while holding the spindle lock button. Do not overtighten.

3.4 Adjusting the Guard:

The guard can be rotated to provide optimal protection for your specific cutting or grinding task. Loosen the guard clamp screw, rotate the guard to the desired position, and then securely tighten the clamp screw.

4. Operating

Before operating, ensure all safety precautions are followed and the correct disc and guard are installed for your task.

4.1 Powering On/Off:

- To turn on, slide the power switch forward.
- To turn off, slide the power switch backward.

4.2 Proper Grip and Posture:

Always hold the grinder firmly with both hands, one on the main handle and one on the side handle. Maintain a balanced stance and keep your body clear of the rotating disc's path.

4.3 Grinding and Cutting Techniques:

- **Cutting:** For cutting operations, use a thin cutting disc. Apply light, consistent pressure and allow the disc to do the work. Avoid twisting or binding the disc in the cut.



Figure 3: Demonstrating cutting a stone slab with the angle grinder.



Figure 4: The angle grinder in action, cutting a metal pipe with sparks.



Figure 5: Using the angle grinder to precisely cut a ceramic tile.

- **Surface Grinding:** For surface grinding, use a thicker grinding disc. Hold the grinder at a slight angle (typically 15-30 degrees) to the workpiece. Move the grinder smoothly across the surface, applying even pressure.



Figure 6: Grinding the surface of a ceramic tile with the angle grinder.



Figure 7: The angle grinder being used to grind the edge of a metal shovel.

4.4 Material Considerations:

Always use the correct type of disc for the material you are working on (e.g., metal, stone, tile). Different materials require different disc compositions and techniques.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your angle grinder. Always unplug the tool before performing any maintenance.

- **Cleaning:** Regularly clean the tool's ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air. Wipe the exterior with a damp cloth. Do not use harsh chemicals.
- **Carbon Brush Inspection/Replacement:** The high-quality carbon brushes are designed for durability. If the tool experiences reduced power or intermittent operation, the carbon brushes may need inspection or replacement. Access ports are designed for easy maintenance. Refer to a qualified service technician if unsure.

- **Disc Replacement:** Replace worn or damaged discs immediately. Never use a disc that is cracked, chipped, or bent.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified professional.
- **Storage:** Store the grinder in its original carrying case in a dry, secure place, out of reach of children.

6. Troubleshooting

This section addresses common issues you might encounter with your angle grinder.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Anti-restart system activated; Damaged power cord; Worn carbon brushes	Check power outlet; Cycle power switch (turn off then on); Inspect cord for damage; Inspect/replace carbon brushes
Excessive vibration	Damaged or unbalanced disc; Loose flange nut; Worn bearings	Replace disc; Tighten flange nut; Contact service for bearing replacement
Overheating	Blocked ventilation slots; Overloading the tool	Clean ventilation slots; Reduce pressure during operation; Allow tool to cool down
Reduced power	Worn carbon brushes; Loose electrical connection	Inspect/replace carbon brushes; Check power cord connection

If the problem persists after attempting these solutions, please contact Stanley customer support or a qualified service center.

7. Specifications

Technical specifications for the Stanley FATMAX FMEG210K-QS Angle Grinder:

Feature	Specification
Manufacturer	Stanley
Model Number	FMEG210K-QS
Power	850 Watts
Voltage	115 Volts
Disc Diameter	115 mm
Maximum Rotation Speed	12000 rpm
Power Source	Corded Electric
Product Dimensions (L x W x H)	30.5 x 17 x 29 cm
Weight	3.44 Kilograms
Material	Metal

Feature	Specification
Color	Black; Yellow
Included Components	Carrying case, 4m cable, 2nd handle with integrated tightening wrench, open and closed guard.

8. Warranty and Support

For warranty information, service, or technical support, please refer to the documentation provided with your purchase or visit the official Stanley website. Keep your proof of purchase for any warranty claims.

While specific spare parts availability information is not provided, Stanley generally offers support for their products. For any repair or replacement of parts, it is recommended to use genuine Stanley parts and have the work performed by authorized service personnel.

For returns, please refer to the retailer's return policy, which for this product is typically 30 days from the date of purchase.