

[Manuals.plus](#) /

› [STANLEY FATMAX](#) /

› STANLEY FME380K-QS 650W 89mm Mini Circular Saw Instruction Manual

STANLEY FATMAX FME380K-QS

STANLEY FME380K-QS 650W 89mm Mini Circular Saw Instruction Manual

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the STANLEY FME380K-QS 650W 89mm Mini Circular Saw. This manual provides essential information for the safe and effective use of your new tool. Please read all instructions carefully before operating the saw and retain this manual for future reference.

General Safety Warnings

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow all instructions may result in serious injury.

- **Read the entire manual:** Understand all operating procedures and safety guidelines before use.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Gloves are recommended.
- **Keep the work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres:** Do not use near flammable liquids, gases, or dust.
- **Secure the workpiece:** Always clamp or otherwise secure the material being cut to prevent movement during operation.
- **Avoid unintentional starting:** Ensure the switch is in the off-position before connecting to power, picking up, or carrying the tool.
- **Maintain proper footing and balance:** This enables better control of the power tool in unexpected situations.
- **Disconnect power:** Always unplug the tool before making any adjustments, changing accessories, or storing it.

2. COMPONENTS OVERVIEW

Familiarize yourself with the parts of your STANLEY FME380K-QS Mini Circular Saw and its included accessories.



Figure 2.1: The STANLEY FME380K-QS Mini Circular Saw, its robust carrying case, and a selection of cutting blades.

- **Mini Circular Saw Unit:** The main power tool with motor, handle, and blade housing.
- **Carrying Case:** For convenient storage and transport of the saw and its accessories.
- **Cutting Blades:** Includes various blades for different materials (e.g., HSS for wood, TCT for general purpose, Diamond for tile/masonry).
- **Dust Extraction Hose:** Connects to the saw's dust port for efficient debris removal.
- **Hex Key:** Used for blade installation and removal.
- **Parallel Guide:** Assists in making straight cuts parallel to an edge.



Figure 2.2: Detailed view of the mini circular saw alongside its interchangeable cutting blades.

3. SETUP AND ASSEMBLY

3.1 Blade Installation and Removal

Always ensure the tool is unplugged from the power source before installing or removing blades.

1. Press and hold the spindle lock button to prevent the blade from rotating.
2. Use the provided hex key to loosen the blade retaining screw by turning it counter-clockwise.
3. Carefully remove the old blade and the outer flange.
4. Place the new blade onto the spindle, ensuring the rotation arrow on the blade matches the arrow on the saw's guard.
5. Re-attach the outer flange and tighten the blade retaining screw clockwise with the hex key while holding the spindle lock. Do not overtighten.



Figure 3.1: Proper technique for adjusting or changing the cutting blade using the hex key.

3.2 Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your workpiece.

1. Loosen the depth adjustment lever located on the side of the saw.
2. Move the base plate up or down to the desired cutting depth, aligning the indicator with the depth scale.
3. Tighten the depth adjustment lever securely to lock the base plate in position.



Figure 3.2: Adjusting the cutting depth by manipulating the base plate and securing the lever.

3.3 Dust Extraction

For a cleaner work environment and improved visibility, connect the dust extraction hose.

1. Attach the provided dust extraction hose to the dust port on the saw.
2. Connect the other end of the hose to a suitable vacuum cleaner or dust collection system.



Figure 3.3: The mini circular saw with the dust extraction hose connected, ready for operation.

4. OPERATING INSTRUCTIONS

4.1 General Cutting Guidelines

- Always ensure the workpiece is securely clamped.
- Allow the blade to reach full speed before beginning a cut.
- Apply steady, even pressure. Do not force the saw through the material.
- Keep hands clear of the cutting path and rotating blade.
- Ensure the power cord is positioned so it will not be cut or snagged during operation.

4.2 Cutting Various Materials

Select the appropriate blade for the material you intend to cut.

Cutting Wood



Figure 4.1: An operator making a precise cut on a wooden board with the mini circular saw.

Use a wood-specific blade (e.g., HSS or TCT blade). Ensure the wood is stable and supported to prevent kickback.

Cutting Metal



Figure 4.2: The mini circular saw in action, cutting through a copper pipe with ease.

For metal, use a metal-cutting blade. Be aware of sparks and hot debris. Wear appropriate eye and face protection. For thin metal sheets, ensure they are firmly clamped to prevent vibration.



Figure 4.3: Demonstrating the saw's capability to cut through a metal sheet.

Cutting Plastic



Figure 4.4: The mini circular saw being used to cut a PVC pipe.

Use a fine-tooth blade for plastic to achieve clean cuts and prevent melting or chipping. Reduce cutting speed if plastic melts.

Cutting Tile/Masonry



Figure 4.5: The mini circular saw cutting a ceramic tile, showcasing its versatility.

For tile or masonry, a diamond blade is required. These cuts often produce significant dust, so ensure proper dust extraction and respiratory protection.

4.3 Using the Laser Guide

The integrated laser guide projects a line onto the workpiece, assisting in maintaining a straight cutting path.

- Activate the laser guide using its dedicated switch (if available).
- Align the projected laser line with your marked cutting line on the workpiece.
- Proceed with the cut, keeping the laser line aligned for accuracy.



Figure 4.6: The laser guide mechanism on the mini circular saw, designed for enhanced cutting precision.

5. MAINTENANCE

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

5.1 Cleaning

- After each use, clean the saw with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Use compressed air to clear dust and debris from ventilation openings.
- Keep the blade guard and base plate free from accumulated sawdust or material residue to ensure smooth operation.

5.2 Blade Care

- Inspect blades regularly for sharpness, cracks, or missing teeth. Replace damaged blades immediately.
- Clean blades to remove resin or material buildup, which can affect cutting performance.

5.3 Storage

- Store the saw in its carrying case in a dry, secure location, out of reach of children.
- Protect the power cord from damage during storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your mini circular saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Damaged cord	Check power connection; Test outlet; Inspect cord for damage; Contact service center if switch is faulty.
Poor cut quality / Saw binds	Dull or incorrect blade; Improper cutting depth; Workpiece not secured; Forcing the saw	Replace or sharpen blade; Use correct blade for material; Adjust cutting depth; Secure workpiece firmly; Apply steady, even pressure.
Excessive vibration	Loose blade; Damaged blade; Worn components	Ensure blade is securely tightened; Replace damaged blade; If problem persists, contact service center.
Laser guide not visible	Laser switch off; Dirty laser lens; Low ambient light	Turn on laser switch; Clean laser lens; Use in appropriate lighting conditions.

7. TECHNICAL SPECIFICATIONS

The following are the technical specifications for the STANLEY FME380K-QS Mini Circular Saw:

Feature	Specification
Manufacturer	STANLEY FATMAX
Model Number	FME380K-QS
Power	650 Watts
Voltage	28 Volts
Blade Diameter	89 Millimeters
No-Load Speed	5500 RPM
Product Dimensions (L x W x H)	54 x 14 x 13.5 cm
Item Weight	4.63 Kilograms
Power Source	Wired Electric
Special Feature	Ergonomic
Recommended Surface	Wood, Copper, Metal, Plastic

8. WARRANTY AND CUSTOMER SUPPORT

8.1 Warranty Information

The STANLEY FME380K-QS Mini Circular Saw typically comes with a 3-year warranty. To activate and ensure full warranty coverage, it is recommended to register your product on the official STANLEY website within one month of purchase. Please refer to the warranty card included with your product for specific terms and conditions.

8.2 Customer Support

For technical assistance, spare parts, or warranty claims, please contact STANLEY customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your model number (FME380K-QS) and purchase date readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question