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Feker Matcha Switches

Feker Matcha Switches Mechanical Keyboard User Manual

Brand: Feker | Model: Matcha Switches

1. Introduction

Thank you for choosing Feker Matcha Switches. These 5-pin linear mechanical keyboard switches are designed for DIY enthusiasts seeking a satisfying typing experience. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your switches.

2. Product Features

- **Matcha Green Switches:** Custom 5-pin switches designed for DIY mechanical keyboards.
- **Durability:** Approximately 60 million keystrokes lifespan for stable and reliable quality.
- **Linear Keyswitch:** Provides a smooth, consistent keystroke without a tactile bump or audible click.
- **Factory Lubed:** Pre-lubed for a smooth feel out of the box, with a special structure that allows for self-lubrication during use.
- **High Compatibility:** MX style structure with 5-pins, compatible with most keycap sets featuring an X-cross stem. Suitable for plate-mounted PCBs and hot-swap mechanical gaming keyboards.

3. Product Parameters and Specifications

The Feker Matcha Switches are engineered with precise specifications to deliver consistent performance. Refer to the table below for detailed parameters.

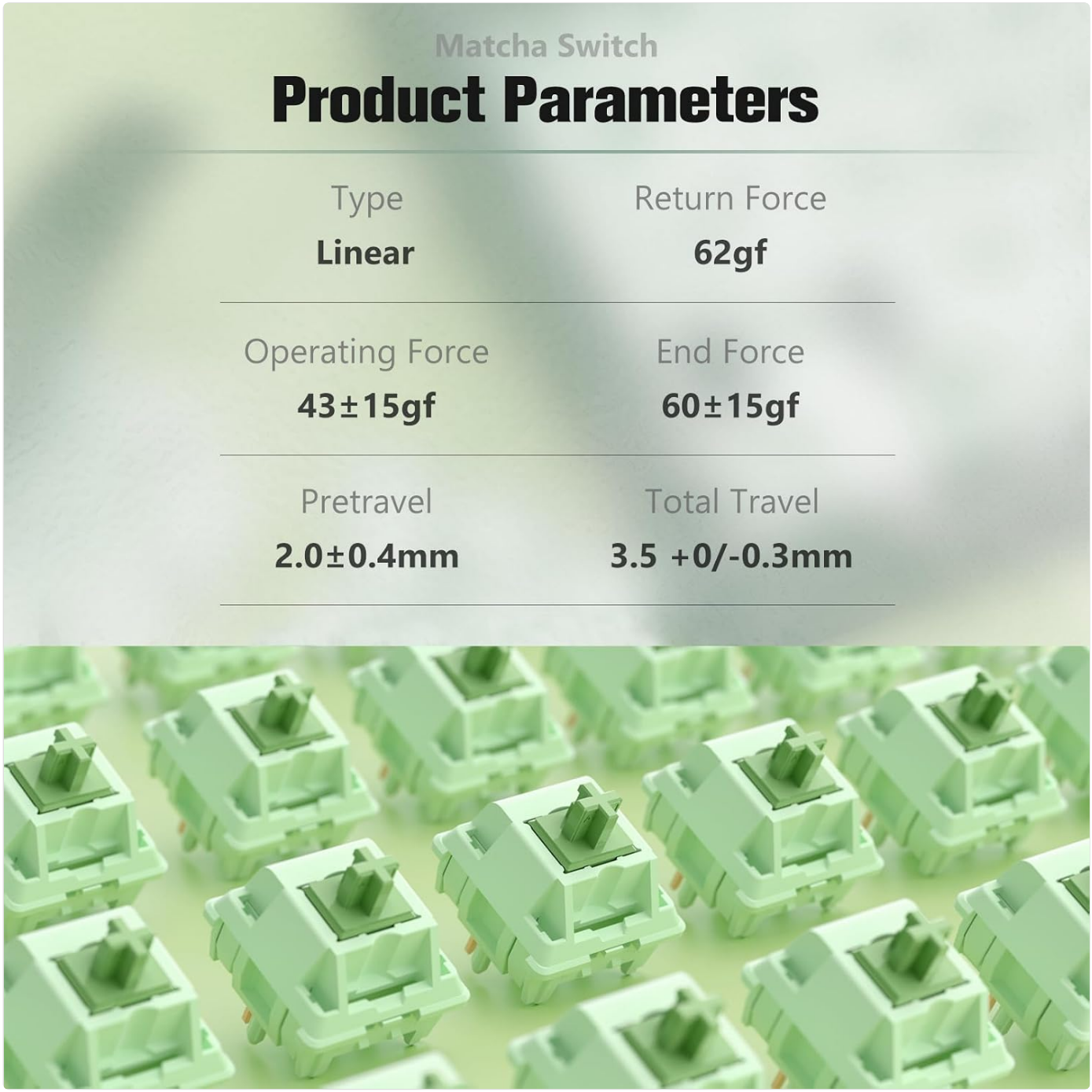


Image: Detailed product parameters for Feker Matcha Switches, including type, forces, and travel distances.

Feker Matcha Switches Key Specifications

Parameter	Value
Switch Type	Linear
Operating Force	43 ± 15gf
End Force	60 ± 15gf
Return Force	62gf
Pre-travel	2.0 ± 0.4mm
Total Travel	3.5 +0/-0.3mm

Parameter	Value
Mounting Style	PCB Mount (5-pin)
Lifespan	Approx. 60 million keystrokes
Material (Stem)	POM
Material (Upper Cover)	PC
Material (Bottom Case)	Nylon
Spring	18mm double-stage
Reeds	Gold-Plated

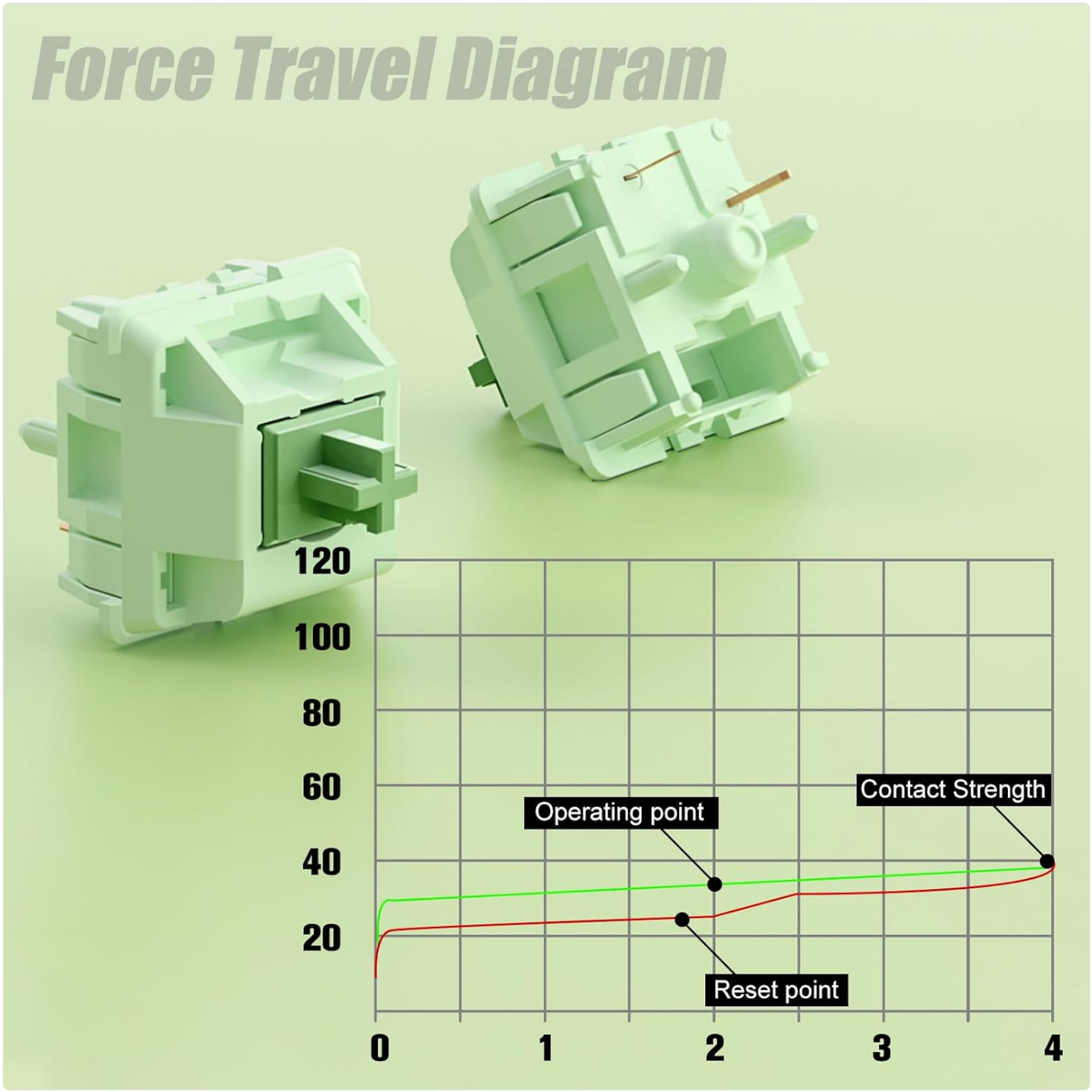


Image: Force travel diagram illustrating the operating point, reset point, and contact strength of the switches.

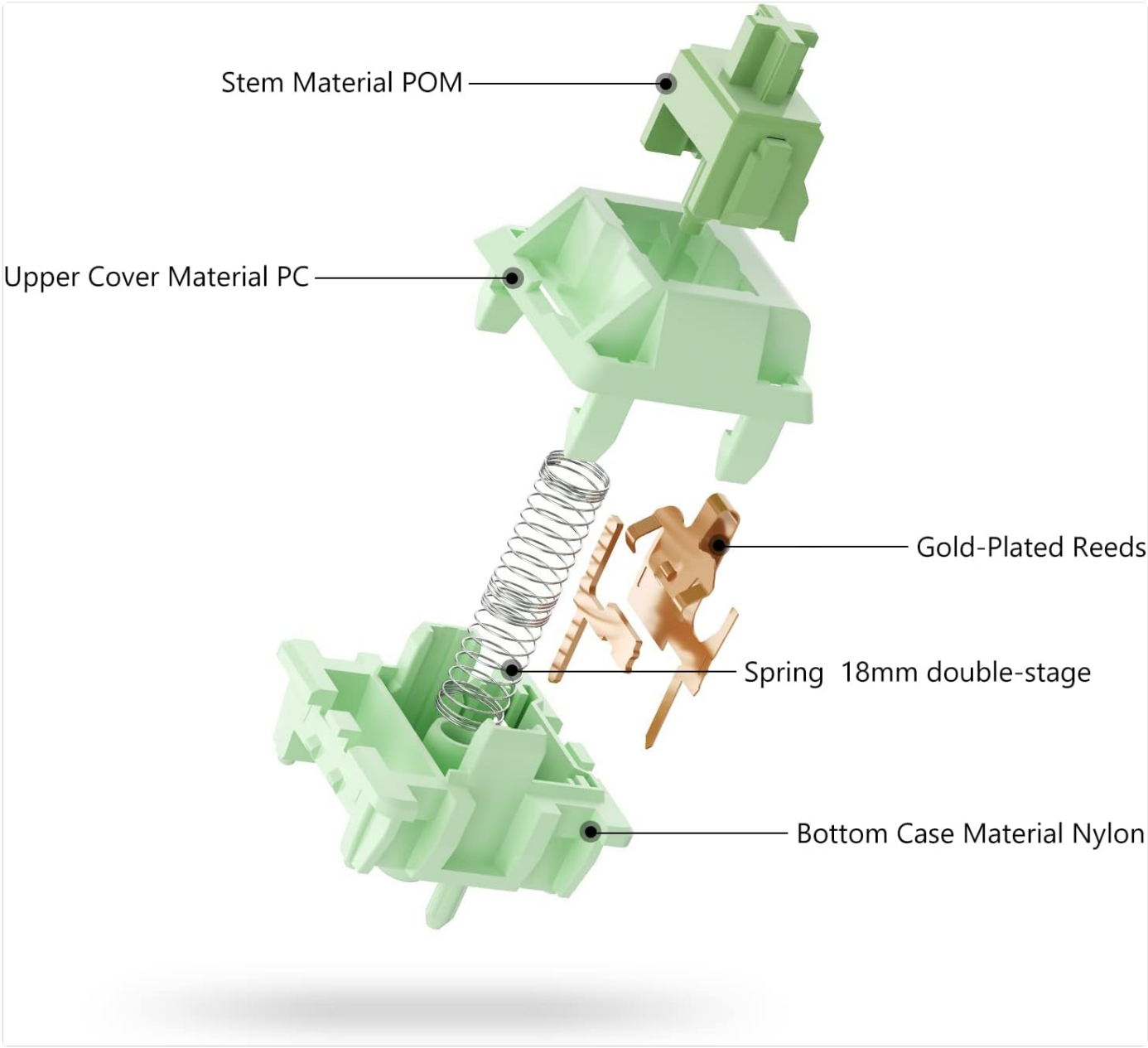


Image: Exploded view of a Feker Matcha Switch, showing its individual components: Stem (POM), Upper Cover (PC), Gold-Plated Reeds, 18mm Double-Stage Spring, and Bottom Case (Nylon).

4. Setup and Installation Guide

Feker Matcha Switches are designed for mechanical keyboards that support hot-swappable switches or require PCB mounting. Follow these steps for proper installation:

1. **Prepare Your Keyboard:** Ensure your mechanical keyboard is powered off and disconnected from your computer. If replacing existing switches, carefully remove the keycaps and then the old switches using a switch puller.
2. **Inspect Switches:** Before installation, gently inspect each Feker Matcha Switch. Check the two metal pins at the bottom of the switch to ensure they are straight and not bent. Bent pins can prevent proper insertion and may damage the PCB. If a pin is slightly bent, carefully straighten it with tweezers.
3. **Align and Insert:** Align the two metal pins and the central plastic stem of the Feker Matcha Switch with the corresponding holes on your keyboard's PCB. The switch should sit flush with the plate.
4. **Press Firmly:** Apply gentle, even pressure to the top of the switch until it clicks into place. Do not force the switch if it doesn't go in easily, as this may bend the pins. Re-check alignment if resistance is met.
5. **Test Functionality:** After installing a few switches, connect your keyboard and test the keys to ensure they register

correctly. This helps identify any issues early.

6. **Install Remaining Switches:** Repeat the process for all desired keys.
7. **Attach Keycaps:** Once all switches are installed and tested, place your keycaps onto the switch stems.



Image: Front and back view of two Feker Matcha Switches, highlighting the MX-style stem and the 5-pin PCB mount.



Image: Feker Matcha Switches packaged in a tray and loose, showing the quantity and appearance of the switches.

5. Operating Instructions

Once installed, Feker Matcha Switches operate like any standard mechanical keyboard switch. Their linear nature provides a smooth, consistent press from top to bottom without a tactile bump or audible click, making them suitable for both typing and gaming where quick, uninterrupted key presses are desired.

- **Typing:** Apply consistent, downward pressure until the key actuates. The linear travel ensures a fluid typing experience.
- **Gaming:** The smooth travel and moderate actuation force are ideal for rapid, repeated key presses common in gaming.

6. Maintenance

Proper maintenance can extend the lifespan and maintain the performance of your Feker Matcha Switches.

- **Regular Cleaning:** Periodically remove keycaps and use compressed air to clear dust and debris from around and within the switches. A soft brush can also be used.
- **Lubrication:** Feker Matcha Switches come factory-lubed and are designed for self-lubrication during use. Additional lubrication is generally not required for optimal performance. However, if you desire a different feel or sound profile, you may apply a thin layer of switch lubricant (e.g., Krytox 205g0) to the stem and housing rails. This should be done carefully to avoid over-lubrication, which can negatively affect switch performance.
- **Storage:** If storing unused switches, keep them in a clean, dry, and dust-free environment, preferably in their original packaging or a sealed container.

7. Troubleshooting

Encountering issues with your switches? Here are some common problems and their solutions:

Problem	Possible Cause	Solution
Switch not registering key press	Bent pins, improper seating, faulty switch.	◦ Remove the keycap and switch. ◦ Inspect pins for bends; carefully straighten if necessary. ◦ Re-insert the switch, ensuring it is fully seated. ◦ If the problem persists, replace the switch.
Inconsistent feel or sound	Inconsistent factory lubrication, debris, manufacturing variation.	◦ Remove the switch and clean it thoroughly. ◦ Consider applying a thin, even layer of switch lubricant. ◦ If the issue is significant, replace the switch.
Switch feels scratchy	Insufficient lubrication, dust/debris.	◦ Clean the switch. ◦ Apply a thin layer of switch lubricant.

8. Warranty and Support

For warranty information or technical support regarding your Feker Matcha Switches, please refer to the purchase documentation or contact the retailer where the product was acquired. You may also visit the official KXRORS store on Amazon for further assistance or to explore other products.
Visit the KXRORS Amazon Store

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