

ATOYSKPX FMA6-16L

ATOYSKPX 50pcs Epoxy Mixing Nozzles Instruction Manual

INTRODUCTION

This manual provides essential information for the proper use and maintenance of your ATOYSKPX 50pcs Epoxy Mixing Nozzles. These static mixing nozzles are designed to ensure efficient and uniform mixing of two-part epoxy resins from standard 50ml cartridges, compatible with both 1:1 and 1:2 mixing ratios.

PRODUCT OVERVIEW

The ATOYSKPX epoxy mixing nozzles feature a transparent body with a green internal static mixer element. Each nozzle contains 16 steps arranged in a ladder pattern, which facilitates thorough and smooth mixing of the two components of epoxy resin as they pass through. The bayonet connector ensures a secure and tight fit with standard AB glue cartridges.

Constructed from thermoplastic PP material, these nozzles are odorless, non-toxic, and resistant to common solvents at room temperature. Their design simplifies the mixing process and eliminates the need for separate mixing tools, making application cleaner and more efficient.



A set of five ATOYSKPX epoxy mixing nozzles, showcasing their transparent bodies and green internal mixing elements.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling epoxy resins.
- Ensure adequate ventilation in your workspace when using epoxy adhesives.
- Refer to the safety data sheet (SDS) of the specific epoxy resin being used for detailed handling and safety precautions.
- Keep out of reach of children and pets.

PACKAGE CONTENTS

- 50 x ATOYSKPX Epoxy Mixing Nozzles (Model FMA6-16L)

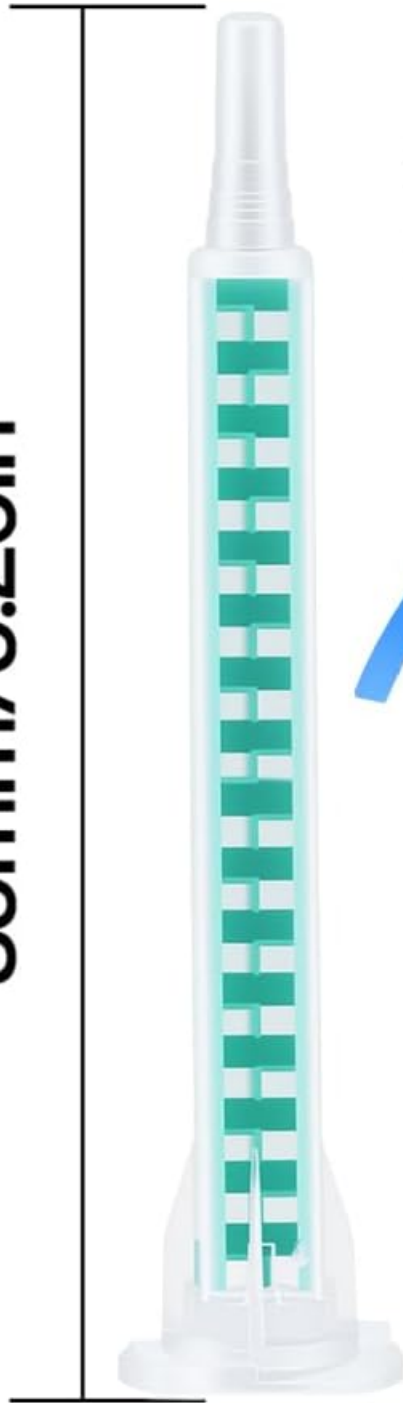


A view of multiple ATOYSKPX epoxy mixing nozzles, indicating the bulk packaging of 50 pieces.

SETUP

1. Prepare your 50ml AB epoxy cartridge and dispensing gun.
2. Remove the cap from the epoxy cartridge.
3. Align the bayonet connector of the mixing nozzle with the outlet of the AB epoxy cartridge.
4. Push the nozzle firmly onto the cartridge and twist to secure it in place. Ensure a tight connection to prevent leakage and ensure proper mixing.
5. Insert the assembled cartridge and nozzle into your dispensing gun.

83mm/3.26in



**MA mixing nozzle
adapter interface**



This image illustrates the 83mm (3.26 inch) length of the mixing nozzle and highlights the bayonet connector designed for MA mixing nozzle adapters on 50ml AB glue cartridges.

Epoxy mixing nozzle

Material: Made of PP material
the shell is transparent. Wear-resistant and durable
reusable after cleaning.



The image shows an ATOYSKPX epoxy mixing nozzle securely connected to a standard 50ml AB glue gun, ready for use.

OPERATING INSTRUCTIONS

1. After setup, dispense a small amount of epoxy (approximately 1-2 inches) onto a scrap surface to ensure both components are flowing evenly and are properly mixed. This purges any unmixed material from the initial section of the nozzle.
2. Apply the mixed epoxy directly to your desired surface or joint. The internal ladder arrangement of the nozzle ensures the two epoxy components are thoroughly blended as they exit.
3. Control the flow rate by adjusting the pressure on the dispensing gun trigger.
4. Once application is complete, the nozzle is typically disposable. Do not attempt to reuse a nozzle after the epoxy has cured inside it.

ATOYSKPX



An example of the epoxy mixing nozzle in action, dispensing mixed epoxy resin onto a circuit board for precise application.

This video provides a visual guide on how to handle and use the ATOYSKPX epoxy mixing nozzles, showcasing their design and application.

MAINTENANCE

These epoxy mixing nozzles are designed for single-use applications. Once epoxy resin has been dispensed through the nozzle, the resin will begin to cure inside. Attempting to clean and reuse a nozzle after the epoxy has cured is not recommended as it can compromise mixing quality and nozzle integrity.

For optimal performance and to prevent cross-contamination or curing issues, dispose of used nozzles responsibly according to local regulations for chemical waste.



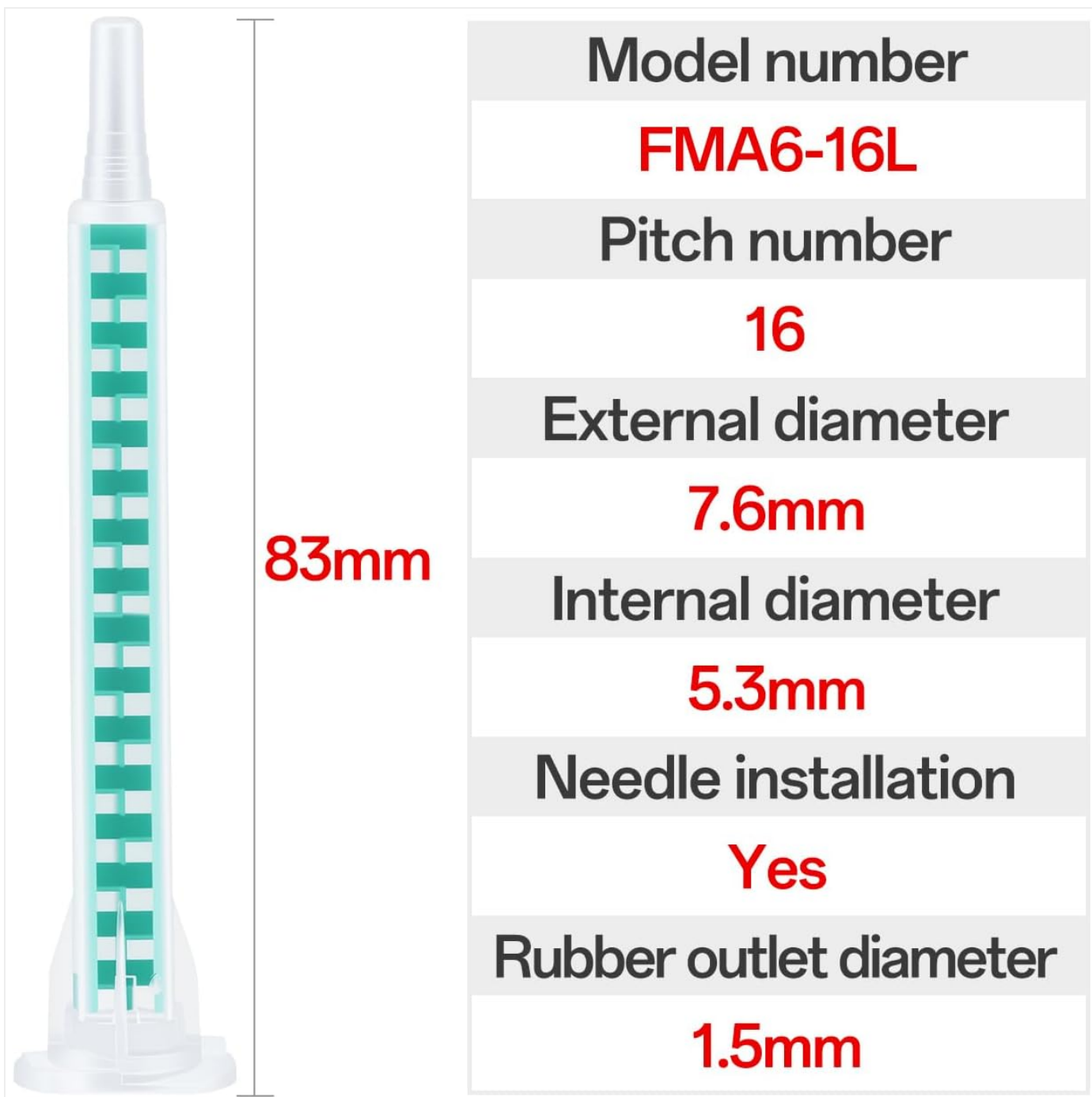
This image displays the internal green static mixing element removed from its transparent housing, illustrating the 16-step ladder arrangement responsible for thorough epoxy mixing.

TROUBLESHOOTING

- **Nozzle does not fit cartridge:** Ensure you are using a standard 50ml AB epoxy cartridge with a compatible bayonet connector. Verify the nozzle is correctly aligned before twisting to lock.
- **Epoxy not mixing properly:** Confirm the nozzle is securely attached and that both components of the epoxy are flowing freely. Dispense a small amount to purge any unmixed material. If issues persist, check the epoxy cartridge itself for blockages or expired material.
- **Leakage at nozzle connection:** Re-attach the nozzle, ensuring it is pushed firmly and twisted securely onto the cartridge. If leakage continues, the nozzle or cartridge may be damaged.

SPECIFICATIONS

Feature	Specification
Model Number	FMA6-16L
Quantity	50 pieces per pack
Compatibility	Standard 50ml AB epoxy cartridges (1:1 and 1:2 ratios)
Mixing Elements	16 steps (square green internal ladder arrangement)
Material	Thermoplastic PP
Length	83mm (3.26 inches)
External Diameter	7.6mm
Internal Diameter	5.3mm
Rubber Outlet Diameter	1.5mm



Detailed specifications for the FMA6-16L model, including its 83mm length, 16 pitch number, 7.6mm external diameter, 5.3mm internal diameter, and 1.5mm rubber outlet diameter.

WARRANTY AND SUPPORT

For any questions regarding the ATOYSKPX 50pcs Epoxy Mixing Nozzles, please contact your retailer or the manufacturer directly. Specific warranty information may vary by region and retailer. Please retain your proof of purchase for any warranty claims.

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

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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