



Manuals.plus /

› FIYA /

› Instruction Manual for M1 Oval Aluminum Sleeves

**FIYA ac6365fc043aca41fa441dbd012e87**

# Instruction Manual for M1 Oval Aluminum Sleeves

Model: ac6365fc043aca41fa441dbd012e87 | Brand: FIYA

## INTRODUCTION

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This manual provides essential information for the proper use and application of FIYA M1 Oval Aluminum Sleeves. These sleeves are designed for securing wire ropes, ensuring a reliable connection when applied correctly.

Proper application is critical for safety and performance. Always refer to these instructions before use.

## PRODUCT OVERVIEW

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The FIYA M1 Oval Aluminum Sleeves are designed for use with 0.9MM-1MM stainless steel wire ropes. Each package contains 100 pieces of these sleeves.



**Figure 1:** A collection of M1 oval aluminum sleeves. These sleeves are silver-toned and have an oval cross-section, designed for crimping onto wire ropes.

## Key Features:

- **Main Material:** Aluminium
- **Package Content:** 100 (+/-2%) pcs x Wire Rope Sleeve
- **Product Name:** Wire Rope Sleeve
- **Weight:** 9g (approximate for the package)
- **Main Color:** Silver Tone
- **Overall Size:** 5 x 4 x 3mm / 0.2" x 0.16" x 0.12" (L\*W\*H)
- **Fit For Steel Wire Rope Diameter:** M1 (0.9MM-1MM)

## SETUP AND APPLICATION

The correct application of these sleeves is crucial for achieving their rated breaking strength. Follow these steps carefully:

1. **Select Correct Wire Rope:** Ensure the wire rope diameter is M1 (0.9MM-1MM) for optimal fit and performance.

2. **Insert Wire Rope:** Thread the end of the wire rope through one side of the aluminum sleeve and then back through the other side, forming a loop.
3. **Position Sleeve:** Position the sleeve correctly on the wire rope, ensuring the loop is the desired size and the wire ends are properly aligned within the sleeve.
4. **Crimping:** Use a suitable crimping tool (not included) to compress the aluminum sleeve firmly onto the wire rope. Apply sufficient pressure to deform the sleeve around the wire, creating a secure connection. Multiple crimps along the sleeve may be necessary depending on the tool and sleeve length.
5. **Verify Connection:** After crimping, visually inspect the sleeve to ensure it is uniformly compressed and securely holds the wire rope.

### **Important Safety Note:**

To determine the exact holding strength and ensure proper selection of materials and the correct pressing procedure, **we strongly recommend performing pull testing prior to actual use.** This step is vital for establishing an adequate margin of safety for the intended application.

## **OPERATING PRINCIPLES**

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Once properly crimped, the aluminum sleeve creates a permanent loop or termination point on the wire rope. This allows the wire rope to be connected to other components such as thimbles, hooks, or other rigging hardware.

The sleeves are designed to hold the rated breaking strength of the cable when applied correctly. Always ensure the crimped connection is free from sharp edges that could damage other components or cause injury.

## **MAINTENANCE**

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Aluminum sleeves generally require minimal maintenance once installed. However, regular inspection of the crimped connections is recommended, especially in applications where they are subjected to high stress, vibration, or environmental exposure.

- **Visual Inspection:** Periodically check for signs of corrosion, deformation, cracking, or slippage of the wire rope within the sleeve.
- **Environmental Factors:** If used in corrosive environments (e.g., saltwater, chemical exposure), consider more frequent inspections and ensure the aluminum material is suitable for the environment.
- **Replacement:** Any sleeve showing signs of damage or wear should be replaced immediately. Do not attempt to re-crimp a damaged sleeve.

## **TROUBLESHOOTING**

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Most issues related to aluminum sleeves stem from improper application. Here are common problems and their solutions:

Problem	Possible Cause	Solution
Sleeve slips on wire rope	Insufficient crimping pressure; incorrect crimping tool; wrong sleeve size for wire rope.	Ensure proper crimping tool is used. Apply adequate pressure. Verify sleeve and wire rope diameters match. Re-crimp with a new sleeve if necessary, or replace the assembly.
Sleeve appears deformed or cracked after crimping	Excessive crimping pressure; incorrect crimping die.	Reduce crimping pressure. Ensure the crimping tool's die matches the sleeve size. Replace the sleeve.
Loop is not secure or breaks under load	Improper application; material fatigue; exceeding load limits.	Review application steps. Perform pull testing to verify strength. Do not exceed the rated capacity of the wire rope or the crimped assembly.

## SPECIFICATIONS

Attribute	Value
Manufacturer	Lon0167
Item Model Number	ac6365fc043aca41fa441dbd012e87
ASIN	B0842KPB17
Net Quantity	1.0 count (referring to the package of 100pcs)
Size	Small (Overall Size: 5 x 4 x 3mm)
Material	Aluminium
Brand	FIYA
Colour	Silver Tone

## WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For any support inquiries or further assistance, please contact the manufacturer, Lon0167, or the seller, FIYA, through their official channels.