

## Satco 90-2133

# Satco 90-2133 Nipple Instruction Manual

Comprehensive guide for the Satco 90-2133 1/8 IP Solid Brass Nipple, covering installation, usage, maintenance, and specifications.

## 1. INTRODUCTION

This instruction manual provides essential information for the proper handling, installation, and maintenance of your Satco 90-2133 Nipple. Please read this manual thoroughly before use to ensure safe and effective application. This product is designed for specific electrical and lighting applications, and adherence to these instructions is crucial for optimal performance and safety.

## 2. PRODUCT OVERVIEW

The Satco 90-2133 is a 1/8 IP solid brass nipple, unfinished, measuring 1-5/8 inches in length and 3/8 inches in width. It is a threaded component commonly used in the assembly and extension of lighting fixtures, track lighting systems, and other electrical applications where a secure, threaded connection is required. Its solid brass construction ensures durability and reliable electrical conductivity.



**Figure 1:** The Satco 90-2133 solid brass nipple. This image displays the threaded cylindrical component, highlighting its brass finish and construction, essential for secure connections in lighting applications.

### 3. SAFETY INFORMATION

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- Always disconnect power at the circuit breaker before installing or servicing any electrical components.
- Consult a qualified electrician if you are unsure about any part of the installation process.
- Ensure all connections are secure and comply with local electrical codes.
- Do not overtighten the nipple, as this may damage threads or connected components.
- Keep out of reach of children.

### 4. SETUP AND INSTALLATION

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The Satco 90-2133 Nipple is designed for integration into various lighting and electrical assemblies. Follow these general steps for installation:

1. **Preparation:** Ensure all power to the circuit is turned off at the main breaker. Gather necessary tools, such as wrenches or pliers, and ensure all mating components have compatible 1/8 IP threads.
2. **Thread Engagement:** Carefully align the nipple with the threaded opening of the component it is connecting

to (e.g., a lamp holder, canopy, or extension pipe).

- 3. **Hand Tighten:** Begin by hand-tightening the nipple into the component to ensure proper thread engagement and prevent cross-threading.
- 4. **Secure Connection:** Once hand-tight, use an appropriate wrench or pliers to gently tighten the nipple. Tighten only until snug. Avoid excessive force, which can strip threads or damage the nipple or connected parts.
- 5. **Verification:** Confirm that the nipple is securely fastened and provides a stable connection between the components.

For specific fixture installations, always refer to the instructions provided with the primary lighting fixture or electrical device.

## 5. OPERATING PRINCIPLES

The Satco 90-2133 Nipple functions as a structural and conductive connector within electrical and lighting assemblies. It provides a rigid, threaded pathway for wiring and mechanical support for attached components. Once installed, its operation is passive, facilitating the secure assembly and electrical continuity of the overall system. Proper installation ensures its intended function without further user interaction.

## 6. MAINTENANCE

The Satco 90-2133 Nipple requires minimal maintenance due to its durable brass construction. However, periodic inspection is recommended:

- **Cleaning:** If exposed, the nipple can be wiped with a dry, soft cloth to remove dust or debris. Avoid abrasive cleaners or solvents that could damage the brass finish.
- **Inspection:** Periodically check for any signs of corrosion, loosening, or damage, especially if the fixture it is part of is subject to vibration or environmental changes.
- **Replacement:** If the nipple shows signs of damage, stripped threads, or significant corrosion, it should be replaced immediately to maintain the integrity and safety of the electrical assembly.

## 7. TROUBLESHOOTING

As a passive component, the nipple itself rarely malfunctions. Most issues relate to improper installation or compatibility.

Problem	Possible Cause	Solution
Nipple does not thread smoothly.	Cross-threading or incompatible thread size.	Ensure threads are aligned correctly. Verify both components have 1/8 IP threads. Do not force.
Connection feels loose after tightening.	Stripped threads or incorrect nipple length.	Inspect threads for damage. Replace nipple or mating component if threads are stripped. Ensure nipple length is appropriate for the connection.
Electrical continuity issues (if part of a conductive path).	Poor connection, corrosion, or incorrect material.	Ensure nipple is securely tightened. Clean any corrosion. Verify nipple is brass for conductivity.

## 8. SPECIFICATIONS

Attribute	Detail
Model Number	90-2133
Brand	Satco
Material	Solid Brass
Thread Size	1/8 IP (Iron Pipe)
Length	1-5/8 inches
Width/Diameter	3/8 inches
Finish	Unfinished
UPC	045923921339
Product Dimensions (Package)	10 x 10 x 10 inches (Note: This refers to package dimensions, not the nipple itself.)

## 9. WARRANTY INFORMATION

For detailed warranty information regarding the Satco 90-2133 Nipple, please contact the manufacturer directly. Warranty terms and conditions may vary and are subject to the manufacturer's policies at the time of purchase.

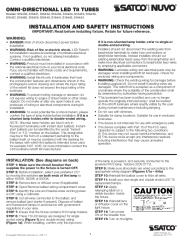
**Manufacturer:** Satco

## 10. SUPPORT

If you have any questions, require technical assistance, or need further support regarding the Satco 90-2133 Nipple, please reach out to Satco customer service or visit their official website. Contact information can typically be found on the product packaging or the manufacturer's official online resources.




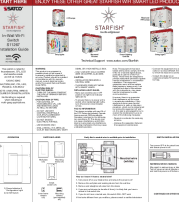

For general inquiries, you may also refer to the retailer from whom the product was purchased.

### Related Documents - 90-2133



[Omni-Directional LED T8 Tubes Installation and Safety Instructions | SATCO](#)

Comprehensive installation and safety guide for SATCO Omni-Directional LED T8 Tubes (Models S16430-S16443). Learn how to safely retrofit existing fluorescent fixtures with these energy-efficient LED tubes, including wiring diagrams and important warnings.

	<p><a href="#">Satco Starfish WiFi Smart Indoor/Outdoor String Lights Model S11272 Installation and Safety Instructions</a></p> <p>Comprehensive installation and safety guide for the Satco Starfish WiFi Smart Indoor/Outdoor String Lights (Model S11272). Covers warnings, contents, step-by-step setup, and app connection.</p>
	<p><a href="#">Starfish WiFi Smart 16' Outdoor Strip Light Installation and Safety Instructions (Model S11265)</a></p> <p>Get detailed installation and safety instructions for the Satco Nuvo Starfish WiFi Smart 16-foot outdoor LED strip light (Model S11265). Learn about electrical safety, proper mounting, and app connection.</p>
	<p><a href="#">Satco Starfish Wi-Fi Smart LED Bulb User Guide and Integration</a></p> <p>Comprehensive guide to setting up, controlling, and integrating Satco Starfish Wi-Fi smart LED bulbs with the Starfish app, Alexa, Google Home, and SmartThings. Includes features like dimming, color changing, scheduling, and automation.</p>
	<p><a href="#">SATCO S11267 Starfish In-Wall Wi-Fi Switch Installation Guide</a></p> <p>Installation guide for the SATCO Starfish S11267 In-Wall Wi-Fi Switch. Learn how to install and wire this smart switch for controlling incandescent, CFL, LED, and resistive loads, and motors. Requires a neutral wire. Supports single-pole or 3-way configurations.</p>
	<p><a href="#">Satco Hi-Pro LED Lamps 120-277V Installation and Safety Instructions</a></p> <p>Comprehensive installation and safety guide for Satco Hi-Pro LED Lamps (Models S13130-S13136), covering wiring diagrams, safety warnings, and installation procedures for replacing CFL and HPS/HID lamps.</p>