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› SÜA Dinse 10-25 Plug TIG Welding Cable Connector User Manual

SÜA LDTS-917F

SÜA Dinse 10-25 Plug TIG Welding Cable Connector User Manual

Model: LDTS-917F | Brand: SÜA

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SÜA Dinse 10-25 Plug TIG Welding Cable Connector. This high-quality solid brass connector is designed for use with 1-Piece TIG Welding Cables and includes an integrated argon gas hose.

Please read this manual thoroughly before using the product to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

The SÜA Dinse 10-25 Plug is a critical component for connecting your TIG torch to your welding machine, providing both electrical current and argon gas flow. It features a robust brass construction for durability and optimal conductivity.

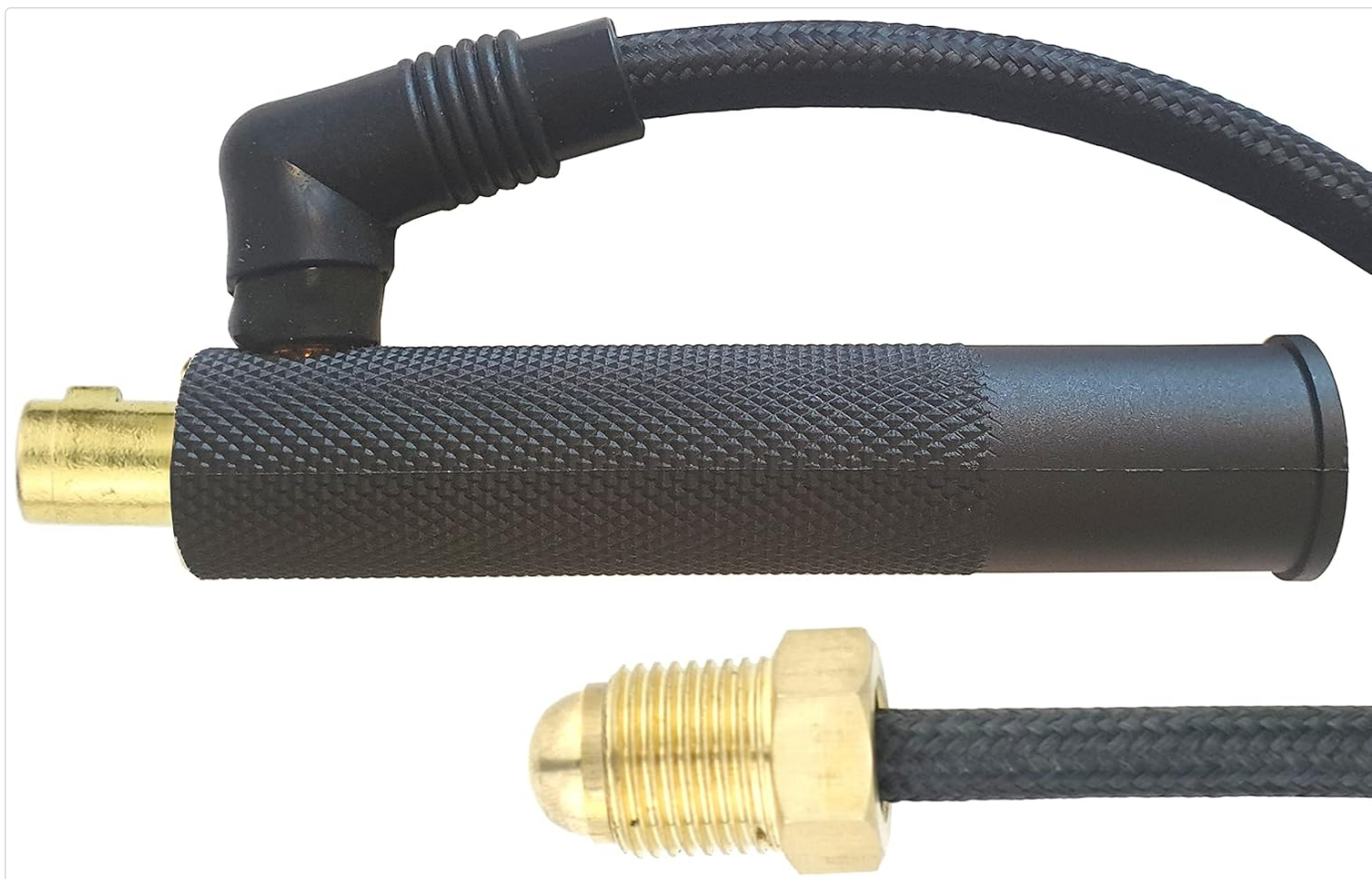


Figure 2.1: SÜA Dinse 10-25 Plug TIG Welding Cable Connector with integrated 18-inch gas hose and 5/8"-18 RH nut.

Key Features:

- High-quality solid brass construction for durability and excellent electrical conductivity.
- Integrated 18-inch gas hose with a 5/8"-18 RH Male Argon Fitting for direct gas connection.
- Designed for 1-Piece TIG Welding Cables.
- Compatible with 9 and 17 Series TIG Torches.

3. COMPATIBILITY AND DIMENSIONS

It is crucial to verify the compatibility of this Dinse connector with your specific TIG welding machine and torch. Refer to the diagrams and tables below for detailed dimensions and a list of compatible welders.



Figure 3.1: Detailed dimensions of the Dinse 10-25 connector and the 5/8"-18 RH gas hose fitting. Also shows compatibility with 57Y01R and 57Y03R 1pc cables for WP-9 and WP-17 Series Torches.

Before purchase and installation, ensure that your welder's receptacle and argon connector sizes match the specifications shown in Figure 3.1.

List of welders with DINSE 10-25 cable connectors	
Miller®	Maxstar 85S, 140, 140STR, 150S, 161S, Multimatic 200, 215.
Lincoln®	Invertec 100-S, V100-S, V130-S,V155-S.
Esab®	ES 95i, Fabricator 141i, Miniarc 161LTS.
Thermal Arc®	161S
Others	Most Chinese and European welders and inverters with Dinse connector.
*** ALWAYS CHECK YOUR WELDER'S RECEPTACLE AND ARGON CONNECTOR SIZES AND MAKE SURE THEY MATCH WITH PICTURE #2***	

Figure 3.2: Table listing common welders compatible with Dinse 10-25 cable connectors.

Important Note: While Figure 3.2 provides a list of compatible welders, always cross-reference with your welder's manual and physical connectors to ensure a proper and safe fit. Some welders may require additional accessories to connect the argon line.

4. INSTALLATION AND SETUP

Follow these steps to properly install the Dinse 10-25 Plug TIG Welding Cable Connector:

1. **Safety First:** Ensure your welding machine is turned off and unplugged from the power source before beginning any installation.
2. **Identify Connections:** Locate the Dinse receptacle on your welding machine and the argon gas inlet.
3. **Connect Dinse Plug:** Insert the Dinse 10-25 plug into the corresponding receptacle on your welding machine. Ensure it is fully seated and twist to lock if your machine has a locking mechanism. The fit should be snug but not excessively tight.
4. **Connect Argon Hose:** Attach the 5/8"-18 RH nut on the integrated gas hose to the argon gas inlet on your welding machine or flowmeter. Hand-tighten first, then use a wrench to secure it, ensuring a leak-free connection. Do not overtighten.
5. **Connect TIG Torch:** Ensure your 1-piece TIG welding cable (e.g., 57Y01R or 57Y03R for 9 & 17 Series torches) is securely connected to the other end of the Dinse plug assembly.
6. **Leak Check:** After connecting, turn on your argon gas supply and perform a leak check using a soapy water solution on all gas connections. Bubbles indicate a leak that needs to be addressed.

5. OPERATING GUIDELINES

Once installed, the SÜA Dinse 10-25 Plug facilitates the electrical and gas connection for your TIG welding process. Proper operation involves ensuring all connections remain secure and leak-free during use.

- Always ensure the Dinse connection is fully engaged before starting welding operations to prevent arcing and damage.
- Monitor the gas hose for any kinks or obstructions that could impede argon flow.
- Regularly check the integrity of the gas hose and its fittings for signs of wear or leaks.
- Operate within the amperage limits of your TIG torch and welding machine.

6. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your SÜA Dinse 10-25 Plug, follow these maintenance guidelines:

- **Cleaning:** Periodically wipe down the connector with a clean, dry cloth to remove dust and debris. Avoid using harsh chemicals that could damage the brass or rubber components.
- **Inspection:** Before each use, inspect the Dinse plug, gas hose, and fittings for any signs of wear, cuts, cracks, or damage. Check for loose connections.
- **Storage:** Store the connector in a clean, dry environment away from extreme temperatures and direct sunlight when not in use.
- **Connection Integrity:** Ensure the Dinse connection remains clean and free of oxidation to maintain good electrical contact.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the Dinse 10-25 Plug.

Problem	Possible Cause	Solution
Dinse plug does not fit or is too tight.	Incorrect Dinse size for your welder; manufacturing tolerance.	Verify your welder's Dinse receptacle size (e.g., 10-25 vs. 35-70). Ensure the plug is aligned correctly. If persistently tight, contact support.
Argon gas leak at hose connection.	Loose fitting; damaged threads; missing or damaged seal.	Ensure fitting is tightened securely. Inspect threads for damage. Check for presence and condition of any O-rings or seals. Apply thread sealant if necessary.
Poor electrical connection.	Dinse plug not fully seated; corrosion on contacts.	Ensure the Dinse plug is fully inserted and locked. Clean the brass contacts on both the plug and the welder's receptacle.

8. TECHNICAL SPECIFICATIONS

Attribute	Detail
Model Number	SWT-LDTS-917F
Dinse Size	10-25
Material	Solid Brass
Gas Hose Length	18 inches
Gas Fitting	5/8"-18 RH Male Argon Fitting
Compatible TIG Torches	9 Series, 17 Series
Compatible Cables	57Y01R (12.5 ft), 57Y03R (25 ft) 1pc Cables
Product Dimensions	9 x 7 x 1 inches
Item Weight	2 ounces

9. WARRANTY AND SUPPORT

SÜA Welding Technologies stands behind the quality of its products. For any questions, technical assistance, or support regarding your Dinse 10-25 Plug, please contact SÜA customer service.

You can also visit the official SÜA Store on Amazon for more information and to explore other welding products: [SÜA Welding Technologies Store](#)