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Plastimo 609-T

Instruction Manual

PLASTIMO WINDING 609-T TURNBUCKLE

Model: 609-T

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Plastimo Winding 609-T Turnbuckle. Please read this manual thoroughly before using the product to ensure safe and efficient performance. This product is designed for marine applications, specifically for sailboat rigging.



Figure 1: Illustrative diagram showing the typical application of the Plastimo Winding 609-T Turnbuckle on sailboats ranging from 6 to 9 meters in length.

2. Safety Information

Always prioritize safety when handling and installing marine equipment. Failure to follow these instructions may result in injury or damage to equipment.

- Ensure all components are securely fastened before use.
- Regularly inspect the turnbuckle for signs of wear, corrosion, or damage. Replace damaged parts immediately.

- Do not exceed the recommended load limits for this product. Consult a marine professional if unsure about load calculations.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Keep hands and clothing clear of moving parts during operation.

3. Components

The Plastimo Winding 609-T Turnbuckle consists of the following primary components:

Winding Mechanism: The central rotating part that allows for tension adjustment.





Figure 2: Detailed view of the winding mechanism, showing the rope entry point and the "609" model designation.

Turnbuckle Body: The main housing that encases the winding mechanism and connects to the rigging.





Figure 3: View of the turnbuckle body, highlighting the Plastimo branding and the robust construction.

Attachment Points: Designed for secure connection to the boat's rigging.

4. Setup and Installation

Proper installation is crucial for the performance and safety of the turnbuckle. If you are unsure about any step, consult a qualified marine rigger.

1. **Preparation:** Ensure the rigging components to which the turnbuckle will attach are clean and free of burrs or sharp edges.
2. **Attachment:** Connect the turnbuckle securely to the designated rigging points. Use appropriate shackles or pins as required, ensuring they are correctly sized and rated for the application.
3. **Initial Tensioning:** Hand-tighten the turnbuckle until slack is removed from the rigging. Do not overtighten at this stage.
4. **Final Adjustment:** Use the winding mechanism to apply the desired tension to the rigging. Turn clockwise to tighten, counter-clockwise to loosen. Monitor rigging tension with appropriate tools if precise tension is required.
5. **Securing:** Once the desired tension is achieved, ensure the turnbuckle is secured to prevent accidental loosening. This may involve using locking pins or cotter pins through designated holes, if applicable to your specific setup.

5. Operating Instructions

The Plastimo Winding 609-T Turnbuckle is designed for easy adjustment of rigging tension.

- To increase tension, rotate the winding mechanism clockwise.
- To decrease tension, rotate the winding mechanism counter-clockwise.
- Always make small, incremental adjustments and check the overall rigging tension and alignment.

- Avoid sudden or excessive force when adjusting.

6. Maintenance

Regular maintenance will extend the life of your Plastimo Winding 609-T Turnbuckle and ensure its reliable operation.

- **Routine Inspection:** Periodically inspect the turnbuckle for signs of corrosion, cracks, deformation, or excessive wear, especially in high-stress areas and around attachment points.
- **Cleaning:** Rinse the turnbuckle with fresh water after each use in saltwater environments to prevent salt buildup and corrosion. Use a mild soap if necessary, and rinse thoroughly.
- **Lubrication:** Apply a marine-grade lubricant to the threads and moving parts of the winding mechanism annually, or more frequently in harsh conditions, to ensure smooth operation and prevent seizing.
- **Storage:** If the turnbuckle is removed for storage, clean and lubricate it before storing in a dry, protected environment.

7. Troubleshooting

Problem	Possible Cause	Solution
Turnbuckle is stiff or difficult to adjust.	Lack of lubrication, salt buildup, or minor corrosion.	Clean thoroughly with fresh water. Apply marine-grade lubricant to threads and moving parts. If severely corroded, consider replacement.
Visible signs of wear or damage (cracks, bending).	Overloading, fatigue, or impact damage.	Immediately cease use and replace the turnbuckle. Do not attempt to repair damaged structural components.
Rigging tension cannot be maintained.	Turnbuckle loosening, or issues with other rigging components.	Ensure the turnbuckle is properly secured after adjustment. Inspect other rigging elements for slippage or failure.

8. Specifications

Attribute	Detail
Model Name	ENROULEUR 609-T (RIDOIR)
Part Number	58208_gris
Brand	Plastimo (Manufactured by 6RZ7V #PLASTIMO, Sold by Nautos)
Color	Grey
Item Weight	9.46 Kilograms
Package Dimensions (L x W x H)	84.65 x 12.2 x 9.84 inches
Sport Type	Sailing / Marine
Recommended Boat Length	6 - 9 meters (approximate, based on typical application)

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For further assistance, please contact your local marine equipment supplier or Nautos customer support.