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> DuraVent 8DT-WS DuraTech Adjustable Galvanized Wall Strap Instruction Manual

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Model: 8DT-WS

1. INTRODUCTION

This manual provides essential instructions for the safe and proper installation, use, and maintenance of the DuraVent 8DT-WS DuraTech 8-inch Adjustable Galvanized Wall Strap. This component is designed to provide structural support and stability for DuraTech chimney systems, ensuring proper alignment and secure fastening to a building structure. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

Always prioritize safety during installation and maintenance. Failure to follow these instructions can result in property damage, injury, or death.

- **Professional Installation:** Installation should be performed by qualified personnel familiar with local building codes and chimney system requirements.
- **Personal Protective Equipment (PPE):** Wear appropriate safety gear, including gloves, eye protection, and a hard hat, especially when working at heights or with tools.
- **Structural Integrity:** Ensure the wall structure where the strap is to be mounted is sound and capable of supporting the chimney system's weight and any potential wind loads.
- **Component Compatibility:** Use only DuraVent DuraTech components with other DuraVent DuraTech components. Do not mix with parts from other manufacturers unless explicitly approved by DuraVent.
- **Clearances:** Maintain required clearances to combustible materials as specified by local codes and the chimney system's installation instructions.
- **Secure Fastening:** Ensure all fasteners are securely tightened to prevent movement or detachment of the chimney system.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- One (1) DuraVent 8DT-WS DuraTech 8-inch Adjustable Galvanized Wall Strap
- *Note: Fasteners for mounting the strap to the wall structure are typically not included and must be sourced separately, appropriate for the wall material.*

4. SETUP AND INSTALLATION

The DuraTech Adjustable Galvanized Wall Strap is designed to secure an 8-inch diameter DuraTech chimney pipe to a wall or structural element. Follow these steps for proper installation:



Figure 1: DuraVent 8DT-WS DuraTech 8-inch Adjustable Galvanized Wall Strap. This image shows the galvanized metal strap with its adjustable components, designed to encircle and secure an 8-inch diameter chimney pipe to a vertical surface.

1. **Determine Placement:** Wall straps should be installed at intervals not exceeding 8 feet (2.4 meters) along the vertical run of the chimney pipe. The first strap should be placed within 3 feet (0.9 meters) of the last support (e.g., ceiling support or wall thimble).
2. **Mark Mounting Points:** Hold the wall strap against the wall at the desired height, ensuring it aligns with the chimney pipe. Mark the locations for the mounting fasteners on the wall structure.
3. **Pre-Drill (if necessary):** Depending on the wall material (wood, masonry, etc.), pre-drill pilot holes for your chosen fasteners. Ensure the fasteners are appropriate for the load and wall material.
4. **Attach Strap to Wall:** Securely fasten the fixed portion of the wall strap to the wall using appropriate screws or bolts. Ensure it is level and firmly attached.
5. **Position Chimney Pipe:** Guide the 8-inch DuraTech chimney pipe through the opening of the wall strap.
6. **Adjust and Secure:** Adjust the movable portion of the wall strap to tightly encircle the chimney pipe. Secure the adjustable mechanism (typically bolts and nuts) to hold the pipe firmly in place without deforming it. Ensure the pipe is plumb and stable.
7. **Verify Stability:** After securing, gently attempt to move the chimney pipe to confirm it is rigidly held by the wall strap.

5. OPERATING (FUNCTION)

The DuraVent 8DT-WS wall strap functions as a critical support component for your DuraTech chimney system. Once properly installed, it provides lateral stability, preventing the chimney pipe from swaying or shifting due to wind, seismic activity, or other external forces. It ensures the chimney maintains its vertical alignment and structural integrity, which is essential for safe and efficient operation of the connected appliance.

6. MAINTENANCE

Regular inspection of your chimney system, including wall straps, is crucial for long-term safety and performance.

- **Annual Inspection:** At least once a year, or more frequently if exposed to harsh conditions, inspect all wall straps.
- **Check for Looseness:** Verify that the strap is still securely fastened to both the wall and the chimney pipe. Tighten any loose fasteners.
- **Inspect for Damage:** Look for signs of corrosion, bending, cracking, or other physical damage to the strap. Replace any damaged straps immediately.
- **Verify Alignment:** Ensure the chimney pipe remains plumb and properly aligned. If misalignment is observed, investigate the cause and correct it.

7. TROUBLESHOOTING

This section addresses common issues related to the wall strap.

- **Chimney Pipe is Loose:**
 - Check if the adjustable mechanism on the wall strap is loose. Tighten bolts and nuts securely.
 - Inspect the fasteners attaching the strap to the wall. If loose, tighten or replace with appropriate fasteners for the wall material.
 - Ensure the strap itself is not damaged or bent, preventing it from holding the pipe firmly.
- **Strap Shows Signs of Corrosion:**
 - While galvanized, prolonged exposure to moisture or harsh chemicals can cause corrosion. If corrosion is significant and compromises structural integrity, replace the strap.

8. SPECIFICATIONS

Feature	Detail
Model Number	8DT-WS
Product Type	Adjustable Wall Strap for Chimney Pipe
Nominal Pipe Diameter	8 inches
Material	Galvanized Steel
Product Dimensions	16 x 15 x 2 inches (approximate packaging/shipping dimensions)
Item Weight	0.01 ounces (actual product weight may vary slightly)
Manufacturer	DURAVENT

9. WARRANTY AND SUPPORT

DuraVent products are manufactured to high standards. For specific warranty information regarding the 8DT-WS DuraTech Adjustable Galvanized Wall Strap, please refer to the official DuraVent warranty documentation provided with your chimney system or visit the official DuraVent website. For technical support or inquiries, please contact DuraVent customer service directly.

Contact information for DuraVent can typically be found on their official website or product packaging.



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