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Othmro OTH191031S-0019

Othmro A-1321 Drive V Belt User Manual

Model: OTH191031S-0019 | Brand: Othmro

1. Product Overview

The Othmro A-1321 Drive V Belt is an industrial power transmission belt designed for various machinery. It features a highly engineered synthetic rubber compound body and an outside fabric wrap treated for high oil and heat resistance, ensuring stable and reliable performance.



Figure 1: Othmro A-1321 Drive V Belt, showcasing its robust construction.

2. Specifications

Attribute	Value
Inner Girth	1321 mm / 51.52 inches
Top Width	13 mm / 0.51 inches
Height	8 mm / 0.31 inches
Material	Synthetic Rubber Compound
Belt Style	V Belt
Compatible Devices	Lathes, Table Saws, Band Saws, Lawn Mowers, and other woodworking tools.
Item Weight	5.3 ounces
Product Dimensions (L x W)	51.52" x 0.51"



Figure 2: Detailed dimensions of the Othmro A-1321 V Belt.

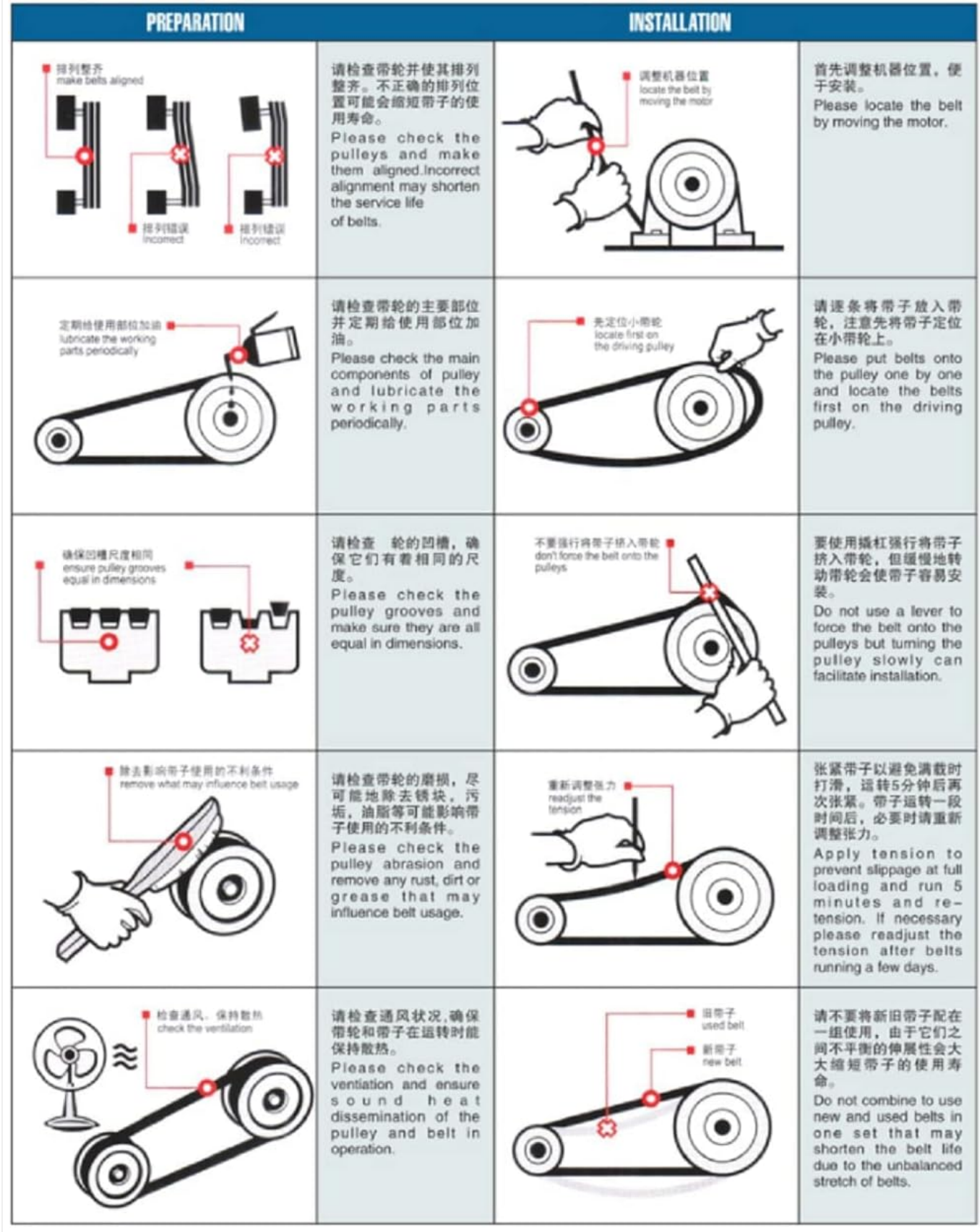


Figure 3: Cross-sectional dimensions and characteristics of Classical V-Belts, including the A-50 type.

3. Features

- **High Strength:** Engineered for demanding industrial applications.
- **Stable Performance:** The outside fabric wrap is treated to be highly resistant to oil and heat, ensuring consistent operation.

- **Durable Material:** Constructed from a highly engineered synthetic rubber compound for long service life.
- **Resistance:** Offers heat, oil, and flex resistance, along with antistatic properties.
- **Various Specifications:** Available in different sizes to suit various machinery requirements.



Figure 4: Visual representation of key features such as high strength and durability.



Figure 5: The V-belt, highlighting its construction and markings.

4. Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your V-belt. Follow these guidelines for preparation and installation:



Figure 6: Visual guide for V-belt preparation and installation steps.

Preparation:

- **Align Belts:** Ensure all belts are correctly aligned. Misalignment can shorten belt service life.
- **Lubricate Moving Parts:** Periodically lubricate the working parts of the machinery.
- **Check Pulley Grooves:** Ensure pulley grooves are free of debris and match the belt's dimensions.
- **Remove Rust/Dirt:** Before installation, clean any rust, dirt, or grease from the pulleys.
- **Check Ventilation:** Ensure proper ventilation and inspect the pulley and belt during operation.

Installation:

- **Locate Belt:** Position the belt by moving the motor.
- **Install Belts onto Pulleys:** Place one belt onto the driven pulley first, then the driving pulley.
- **Avoid Levers:** Do not use a lever to force the belt onto the pulleys, as this can damage the belt.
- **Adjust Tension:** Apply tension to the pulley slippage. Run for 5 minutes, then re-tension if necessary. Re-adjust tension after a few days.
- **New Belts:** Do not combine new and used belts in one set due to potential uneven stretch.

Installation Demonstration Video:

[redacted]

Video 1: Demonstration of V-belt installation and tensioning on machinery.

5. Operating Instructions

Once installed, the Othmro V-belt operates by transmitting power between two or more rotating shafts. Ensure the belt is properly tensioned before operation to prevent slippage and maximize efficiency. Regularly check for any unusual noises or vibrations during operation, which may indicate an issue with the belt or pulleys.

6. Maintenance

Regular maintenance extends the life of your V-belt and ensures safe operation. Refer to the "Preparation and Installation" section (Figure 6) for visual guidance on maintenance checks.

- **Inspect Regularly:** Periodically inspect the belt for signs of wear, cracks, fraying, or hardening.
- **Check Tension:** Maintain correct belt tension. Over-tensioning can damage bearings, while under-tensioning leads to slippage and premature wear.
- **Clean Pulleys:** Keep pulleys clean and free of dirt, grease, and rust to ensure proper grip and prevent belt damage.
- **Monitor Alignment:** Verify that pulleys remain properly aligned. Misalignment causes uneven wear and reduces belt life.
- **Replace When Worn:** Replace the belt immediately if significant wear or damage is observed.

7. Troubleshooting

If you encounter issues with your V-belt, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Belt Slippage	Insufficient tension, worn belt, oily/greasy pulleys.	Adjust tension, replace belt, clean pulleys.
Excessive Noise (Squealing)	Slippage, worn belt, misaligned pulleys.	Adjust tension, replace belt, check and correct alignment.
Premature Belt Wear	Incorrect tension, misalignment, worn pulleys, foreign objects in grooves.	Adjust tension, correct alignment, inspect and replace worn pulleys, clean grooves.
Belt Overheating	Excessive load, poor ventilation, slippage.	Reduce load if possible, ensure adequate ventilation, adjust tension.

8. Applications

The Othmro A-1321 Drive V Belt is versatile and suitable for a wide range of industrial and domestic applications, particularly where power transmission is required. Its robust design makes it ideal for environments with significant space, weight, and power demands.



Figure 7: Examples of V-belt applications, including wind power, agricultural equipment, mining equipment, and home appliances.

- **Woodworking Tools:** Lathes, table saws, band saws.
- **Lawn & Garden Equipment:** Lawn mowers.
- **Industrial Machinery:** Power transmission in various industrial fields.
- **Energy Sector:** Wind power generation systems.
- **Heavy Equipment:** Agricultural and mining machinery.
- **Domestic Appliances:** Certain home appliances requiring belt drives.

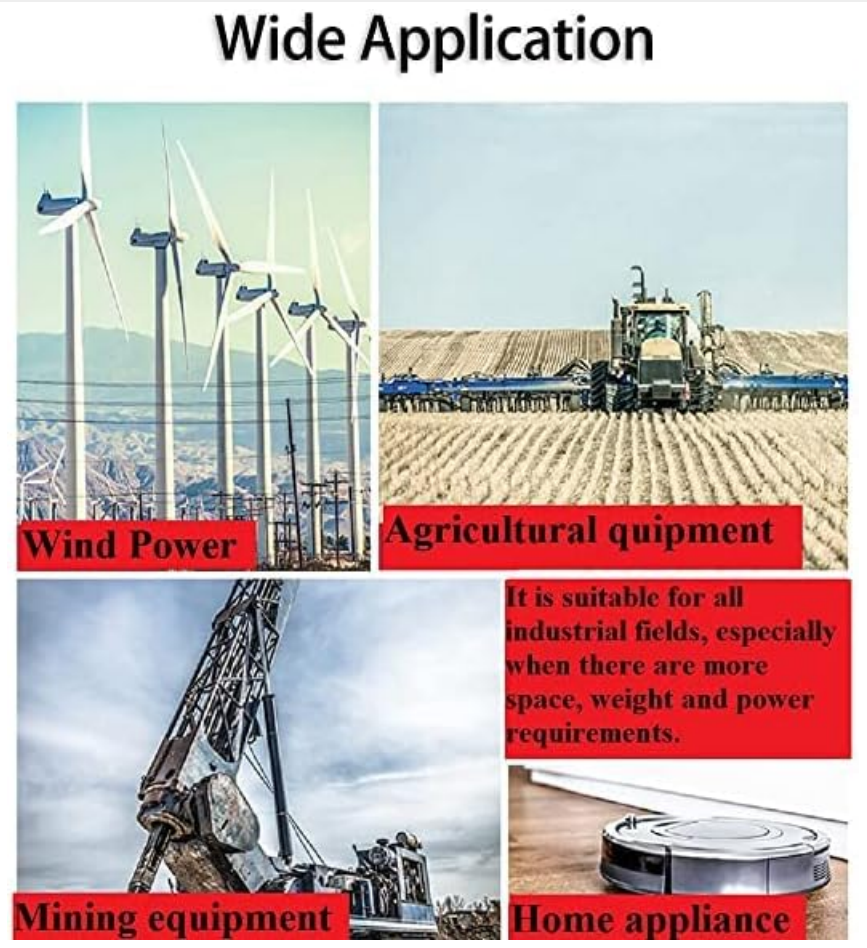


Figure 8: Illustrates the use of V-belts in heavy-duty applications like mining and grain silo systems.

9. Warranty and Support

For warranty information or technical support regarding your Othmro A-1321 Drive V Belt, please refer to the product packaging or contact Othmro customer service directly. Keep your purchase receipt as proof of purchase.

Othmro Customer Service:

Website: Visit the Othmro Store on Amazon

Email/Phone: Refer to the official Othmro website or product documentation for contact details.

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