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› Instruction Manual for Furukawa Unic Wire 230 Series U234/4-Stage Boom

AIBIG U234/4-Stage Boom

Instruction Manual

Furukawa Unic Wire 230 Series U234/4-Stage Boom

Model: U234/4-Stage Boom | Brand: AIBIG

PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of the Furukawa Unic Wire 230 Series U234/4-Stage Boom, 54 meters in length. This wire rope is designed for industrial applications, specifically for use with Unic cranes, ensuring reliable performance and durability.



Figure 1: The Furukawa Unic Wire 230 Series U234/4-Stage Boom, coiled for transport and storage. This image shows the robust construction of the wire rope, designed for heavy-duty lifting applications.

SETUP AND INSTALLATION

Proper setup is crucial for safety and optimal performance. Always refer to the specific crane's manual for detailed installation procedures.

1. **Inspection:** Before installation, thoroughly inspect the wire rope for any signs of damage, kinks, corrosion, or broken wires. Do not use if damage is found.
2. **Uncoiling:** Carefully uncoil the wire rope to prevent kinking. Lay it out in a straight line if possible, or use a reel stand.
3. **Attachment:** Securely attach the wire rope to the crane's drum and boom tip according to the crane manufacturer's instructions. Ensure all fasteners are tightened to the specified torque.
4. **Lubrication:** Apply a suitable wire rope lubricant during installation, especially if the rope has been stored for an extended period.

OPERATING GUIDELINES

Adhere to these guidelines for safe and efficient operation of the wire rope.

- **Load Limits:** Never exceed the crane's or wire rope's rated load capacity. Refer to the load chart provided with your crane.
- **Smooth Operation:** Avoid sudden jerks or shock loading. Operate the crane smoothly to minimize stress on the wire rope.
- **Drum Winding:** Ensure the wire rope spools evenly on the drum. Uneven winding can lead to crushing and premature wear.
- **Environmental Factors:** Be aware of environmental conditions such as extreme temperatures, corrosive atmospheres, or abrasive materials that can affect wire rope performance.

MAINTENANCE

Regular maintenance extends the lifespan and ensures the safety of your wire rope.

- **Daily Inspection:** Visually inspect the entire length of the wire rope daily for any signs of wear, damage, or corrosion. Pay close attention to areas passing over sheaves and drums.
- **Lubrication:** Re-lubricate the wire rope regularly with a compatible lubricant. This protects against corrosion and reduces internal friction. Frequency depends on usage and environmental conditions.
- **Cleaning:** Keep the wire rope clean from dirt, grit, and other abrasive contaminants.
- **Storage:** When not in use for extended periods, store the wire rope in a clean, dry environment, preferably coiled and protected from direct sunlight and moisture.

TROUBLESHOOTING

This section addresses common issues encountered with wire ropes.

Problem	Possible Cause	Solution
<i>Kinking or Birdcaging</i>	Improper uncoiling, sudden release of tension, or shock loading.	Replace the wire rope immediately. Kinked ropes are permanently damaged and unsafe.
<i>Excessive Wear on Outer Wires</i>	Lack of lubrication, abrasive environment, or improper sheave/drum alignment.	Increase lubrication frequency. Check and correct sheave/drum alignment. Clean rope regularly.
<i>Corrosion</i>	Insufficient lubrication, exposure to moisture or corrosive agents.	Ensure regular and thorough lubrication. Store in a dry environment.

SPECIFICATIONS

Key technical specifications for the Furukawa Unic Wire 230 Series U234/4-Stage Boom.

- **Model:** U234/4-Stage Boom
- **Series:** 230 Series
- **Length:** 54 meters

- **Construction:** IWRC6×WS(26)C Type Z lay
- **Brand:** AIBIG
- **Manufacturer Part Number:** 3
- **ASIN:** B091FD6Q3N

WARRANTY AND SUPPORT

For warranty information and technical support, please contact your authorized AIBIG dealer or visit the official AIBIG website. Keep your purchase receipt and product details readily available when seeking support.

Contact Information:

- **Manufacturer:** AIBIG
- **Website:** www.aibig.co.jp (Note: This is a placeholder URL, please refer to official documentation for actual contact details.)
- **Customer Service:** Refer to your local distributor's contact information.