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› uxcell Flexible Shaft Inner Core User Manual

uxcell a18110600ux0110

uxcell Flexible Shaft Inner Core User Manual

Brand: uxcell | **Model:** a18110600ux0110

1. PRODUCT OVERVIEW

The uxcell Flexible Shaft Inner Core is designed as a replacement or extension for rotary tools, bench grinders, and drill presses. It provides flexibility for accessing hard-to-reach areas and is suitable for various transmission applications.



Figure 1.1: The uxcell Flexible Shaft Inner Core, showing its coiled metal construction.

Key Features

- **Length:** Approximately 38.8 inches (986mm), providing ample reach.
- **Diameter:** Iron wire diameter of 0.12 inches (3mm).
- **Material:** Constructed from durable iron, designed for flexibility and endurance.
- **Application:** Ideal for situations where the primary machine cannot be easily moved, facilitating flexible power transmission.

2. SETUP

Proper setup ensures optimal performance and longevity of the flexible shaft inner core. This product is typically used as a replacement or extension for existing flexible shaft attachments.

1. **Preparation:** Ensure your rotary tool, bench grinder, or drill press is turned off and unplugged before beginning installation.
2. **Remove Old Core (if applicable):** If replacing an existing core, carefully remove the old flexible shaft inner core from its housing. Note its orientation and how it connects to the drive mechanism.

3. **Insert New Core:** Gently slide the new uxcell flexible shaft inner core into the flexible shaft housing. Ensure it seats properly into the drive mechanism of your tool.
4. **Lubrication:** It is highly recommended to apply a suitable lubricant (grease) to the new flexible shaft inner core before installation. This reduces friction and extends the lifespan of the shaft.
5. **Secure Connections:** Ensure all connections, including the chuck or collet at the working end, are securely fastened.

Length : 1m/39inch

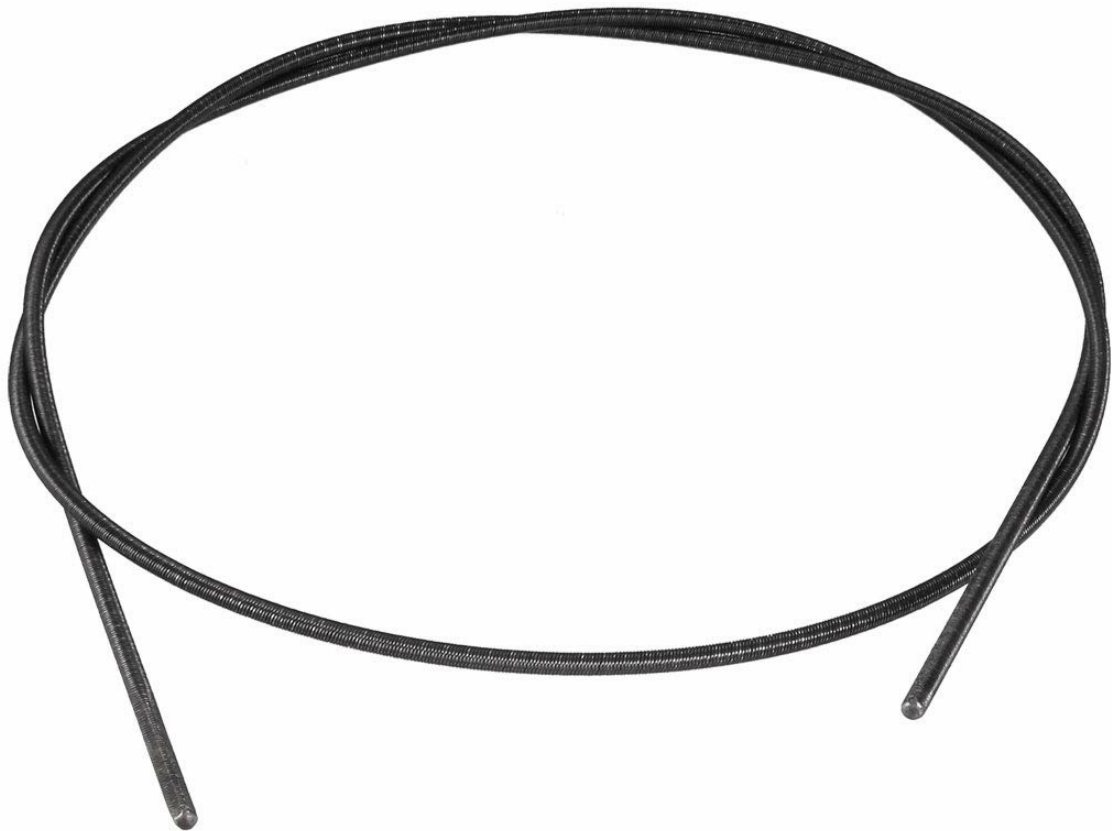


Figure 2.1: The flexible shaft inner core, indicating its approximate length of 1 meter or 39 inches.

3. OPERATING INSTRUCTIONS

Follow these guidelines for safe and effective operation of the flexible shaft inner core.

1. **Start at Lowest Gear:** When using the flexible shaft, always start your machine (rotary tool, grinder) from the lowest speed setting. Do not start directly at high speed, as this can significantly increase core loss and potentially damage the flexible shaft.
2. **Straighten the Shaft:** To prolong the service life of the flexible shaft, straighten it as much as possible during operation. Avoid sharp bends or kinks, which can put undue stress on the inner core.
3. **Avoid Snagging:** Be mindful of the working environment to prevent the flexible shaft from snagging on

obstacles. Snagging can cause the inner core to break.

4. **Maintain Control:** Always maintain a firm grip on the handpiece of the flexible shaft attachment. Be aware of the tool's torque and potential kickback.
5. **Safety First:** Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and hearing protection, when operating power tools with this attachment.



Figure 3.1: Close-up view of the flexible shaft inner core, highlighting the 3mm (0.12 inch) diameter of the iron wire.

4. MAINTENANCE

Regular maintenance will ensure the longevity and reliable performance of your flexible shaft inner core.

- **Lubrication:** Periodically re-lubricate the flexible shaft inner core with appropriate grease. This is crucial for reducing friction and preventing premature wear.
- **Inspection:** Before each use, inspect the inner core for any signs of wear, fraying, or damage. Check the ends for proper seating and integrity.
- **Cleaning:** Keep the flexible shaft and its housing clean from debris, dust, and grime. Accumulated dirt can impede smooth operation and cause wear.
- **Storage:** Store the flexible shaft in a relatively straight position when not in use to prevent permanent

kinks or bends. Keep it in a dry environment to prevent rust.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with the flexible shaft inner core.

- **Shaft Breaks Easily:**
 - Ensure you are starting the machine at the lowest speed setting and gradually increasing.
 - Avoid sudden stops or snagging the shaft on workpieces or obstacles.
 - Verify the shaft is adequately lubricated.
- **Shaft Not Fitting Properly:**
 - Confirm the diameter (3mm / 0.12 inch) matches your tool's requirements.
 - If the length is slightly off, it may be possible to trim the shaft to the required length. If trimming, ensure the end is properly squared and crimped if necessary for your specific application.
- **Excessive Vibration or Noise:**
 - Check for proper lubrication.
 - Ensure the shaft is not kinked or bent.
 - Verify that the shaft is correctly seated in both the tool's drive and the handpiece.

6. SPECIFICATIONS

Attribute	Value
Length	986mm / 38.8 inches
Iron Wire Diameter	3mm / 0.12 inches
Material	Iron
Product Dimensions	7.09 x 2.36 x 0.39 inches (packaged)
Item Model Number	a18110600ux0110
Manufacturer	uxcell

7. WARRANTY AND SUPPORT

For specific warranty information, please refer to the product packaging or the retailer's purchase terms. As a replacement part, warranty coverage may vary.

For further assistance or inquiries regarding the uxcell Flexible Shaft Inner Core, please contact uxcell customer support or visit the official uxcell store on Amazon:

[Visit the uxcell Store on Amazon](#)

