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VEVOR LBJ-1038

VEVOR LBJ-1038 Lawn Mower Blade Sharpener Instruction Manual

Model: LBJ-1038

1. Introduction

This manual provides detailed instructions for the safe and effective use of your VEVOR LBJ-1038 Lawn Mower Blade Sharpener. Please read and understand all instructions before operating the device. Proper use and maintenance will ensure optimal performance and extend the lifespan of your sharpener.

2. Safety Instructions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating the sharpener and angle grinder.
- Ensure the sharpener is securely mounted to a stable workbench or surface before use.
- Disconnect the angle grinder from its power source before attaching or detaching it from the sharpener, or when changing accessories.
- Ensure the lawn mower blade is clean and free of debris before sharpening.
- Never touch the blade or grinding disc while the angle grinder is operating.
- Keep hands and loose clothing away from moving parts.
- Do not operate the sharpener in wet conditions or near flammable materials.
- Store the sharpener and accessories in a dry, secure place out of reach of children.

3. Product Overview

The VEVOR LBJ-1038 Lawn Mower Blade Sharpener is designed to provide precise and efficient sharpening for various lawn mower blades. Its adjustable angle feature and stable design ensure consistent results.

Key Features:

- **Wide Compatibility:** Includes 4 adapter pins for compatibility with most angle grinders. Suitable for blades up to 30" length, 0.28" thickness, and 2.76" - 5.51" width.

- **Adjustable Sharpening Angle:** Easily set angles from 15° to 45° for precise sharpening.
- **Stable & Smooth Operation:** Features a ball bearing guide arm for smooth movement and 4 holder bars to securely hold the blade. The 25mm enlarged handle provides improved grip stability.
- **Durable Construction:** Crafted from lightweight yet durable aluminum alloy for wear and corrosion resistance.

Components:

- Lawn Mower Blade Sharpener main unit
- 4 x Adapter Pins
- User Manual (this document)



Image: Overview of the VEVOR LBJ-1038 Lawn Mower Blade Sharpener and its main components.

4. Setup

1. **Mount the Sharpener:** Securely mount the sharpener to a stable workbench or sturdy surface using appropriate fasteners (not included). Ensure it is firmly attached to prevent movement during operation.
2. **Prepare the Angle Grinder:** Select a suitable flap disc for sharpening. Attach one of the provided adapter pins to your angle grinder (angle grinder not included).
3. **Adjust Sharpening Angle:** Use the adjustment knob and clear angle scale on the sharpener to set the desired

sharpening angle (15° to 45°). A common angle for lawn mower blades is around 30°.

4. **Fix the Blade:** Place the lawn mower blade onto the sharpener's holder bars. Use the tightening mechanism to securely fix the blade in place. Ensure the blade is stable and does not wobble.



Image: The sharpener showing the enlarged handle, sturdy holder bars, and compatible blade dimensions.

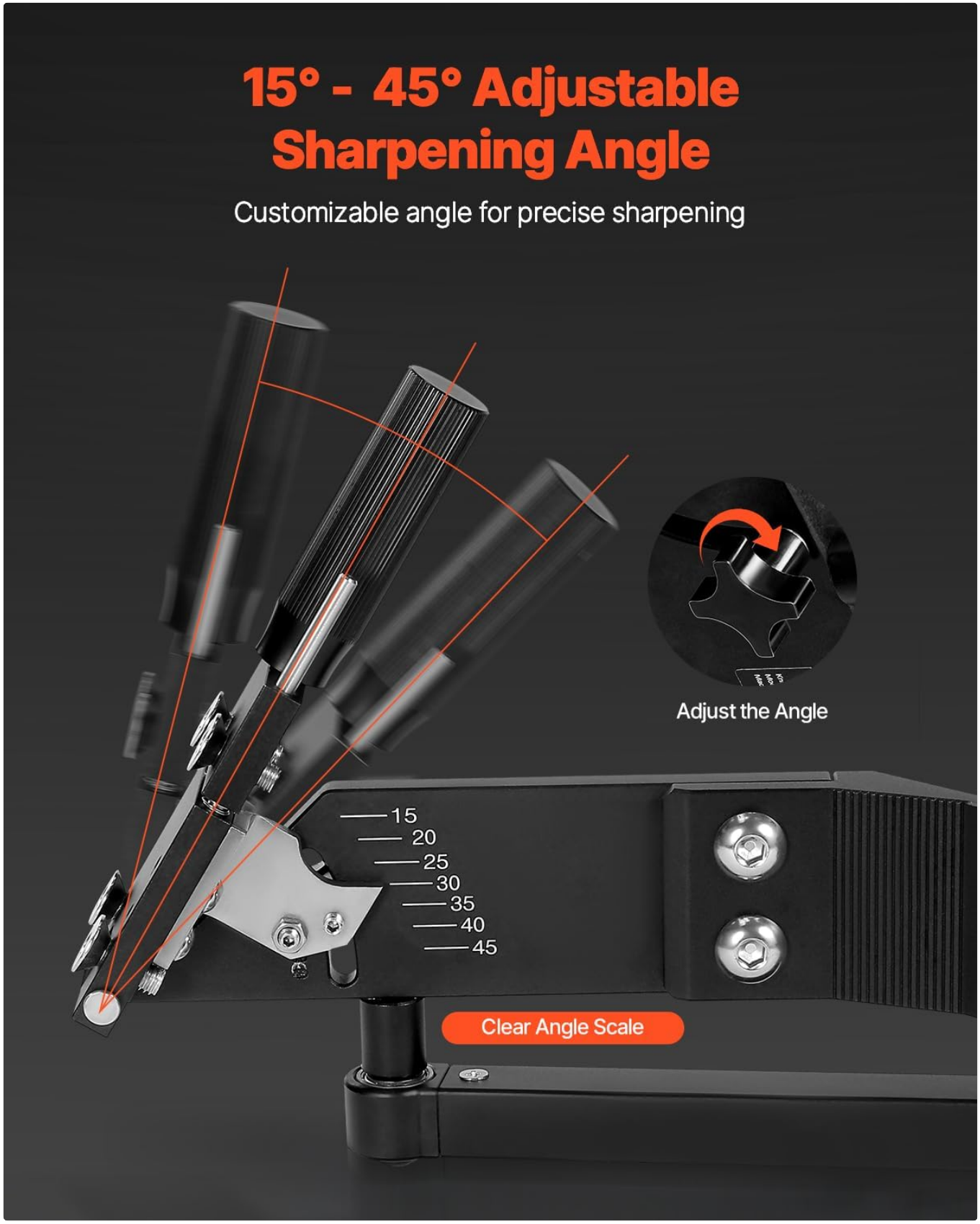

Image: Close-up of the 15° - 45° adjustable angle scale and adjustment knob.



Image: A lawn mower blade being secured into the sharpener's mount.

5. Operating Instructions

Once the sharpener is set up and the blade is secured, you can begin the sharpening process:

1. **Attach Angle Grinder:** Slide the adapter pin of your angle grinder into the guide arm of the sharpener. This will ensure the grinder maintains the set angle relative to the blade.
2. **Start Sharpening:** Turn on the angle grinder. Gently move the grinder along the guide arm, allowing the flap disc to make contact with the blade's cutting edge. Apply even pressure and move smoothly from one end of the cutting edge to the other.
3. **Repeat as Needed:** Continue making passes until a consistent, sharp edge is achieved across the entire length of the blade. Avoid excessive grinding to prevent overheating the blade.
4. **Check for Burrs:** After sharpening, carefully check the opposite side of the blade for any burrs. These can be removed with a fine file or by making a light pass with the grinder on the back edge.

5. **Remove Blade:** Once sharpening is complete, turn off and unplug the angle grinder. Carefully remove the blade from the sharpener.



Image: Visual guide showing the three main steps: attaching the grinder, mounting the sharpener, and sharpening the blade.

Demonstration Video:

▶ **Watch video online**

Best Jig Ever! Lawnmower Blade Sharpener by VEVOR

Video: Demonstration of the VEVOR Lawn Mower Blade Sharpener in use, showing the setup and sharpening process for a lawn mower blade.

6. Maintenance

- **Cleaning:** After each use, clean the sharpener to remove metal dust and debris. Use a brush or compressed air.
- **Inspection:** Regularly inspect all components for wear or damage. Ensure all screws and fasteners are tight.
- **Storage:** Store the sharpener in a clean, dry environment to prevent corrosion.

7. Troubleshooting

Problem	Possible Cause	Solution
Inconsistent sharpening angle	Sharpener not securely mounted; blade not firmly fixed; angle grinder not properly guided.	Ensure sharpener is stable. Re-tighten blade holder. Verify angle grinder adapter pin is fully inserted into the guide arm.
Blade not getting sharp	Worn grinding disc; incorrect angle setting; insufficient passes.	Replace grinding disc. Re-check and adjust the sharpening angle. Make more passes with even pressure.
Excessive vibration during operation	Loose blade; unstable mounting; unbalanced grinding disc.	Ensure blade is tightly secured. Check sharpener mounting. Replace or re-balance grinding disc if necessary.

8. Specifications

Feature	Detail
Model Number	LBJ-1038
Adjustable Angle	15° - 45°
Compatible Blade Length	0 - 30 inches
Compatible Blade Thickness	0 - 0.28 inches
Compatible Blade Width	2.76 - 5.51 inches
Product Weight	2.65 lbs / 1.2 kg
Product Dimensions	12.60 x 9.84 x 2.76 inches (320 x 250 x 70 mm)
Accessories Included	1x Lawn Mower Blade Sharpener, 4x Adapter Pins, 1x User Manual

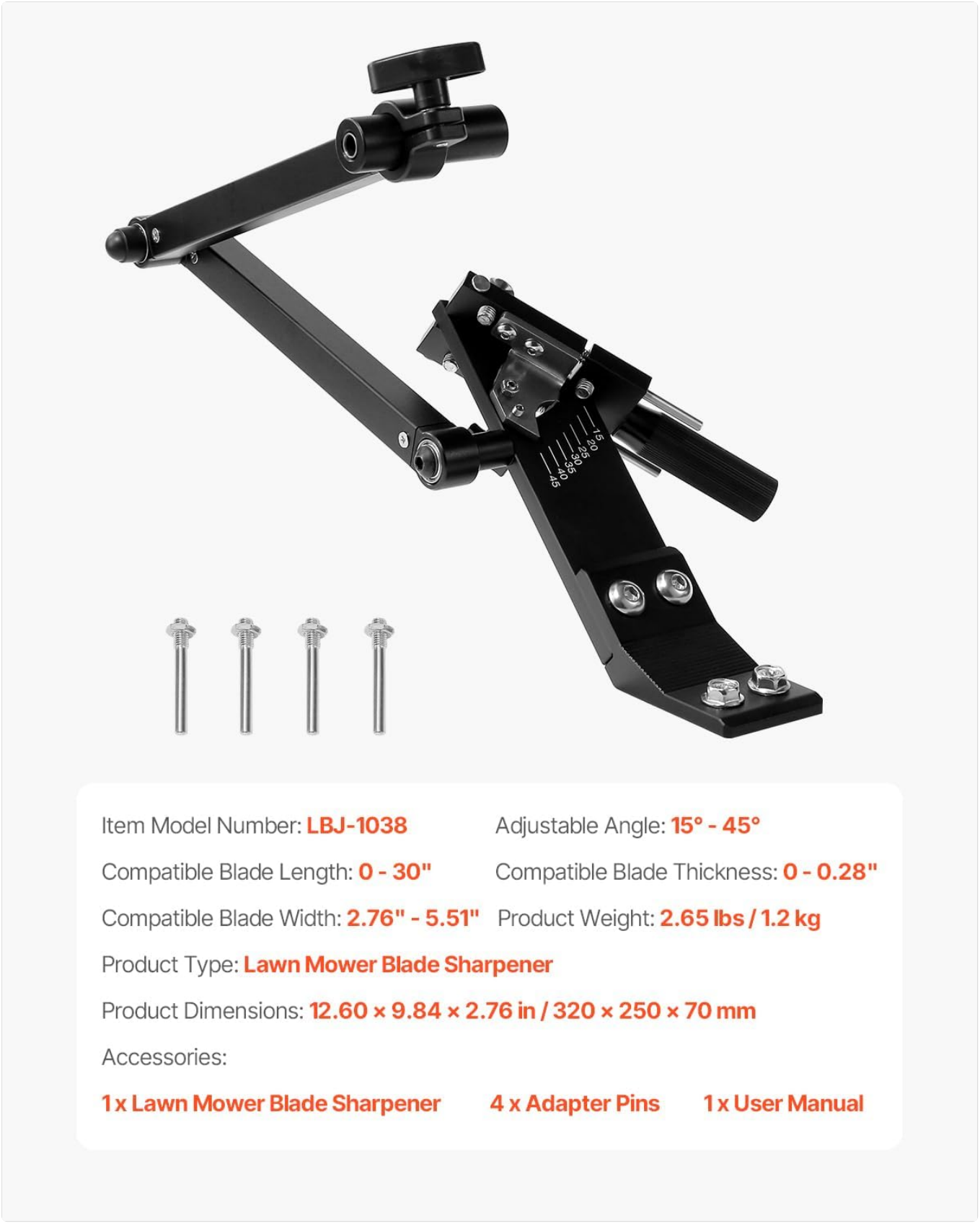

Image: Detailed specifications and included accessories for the VEVOR LBJ-1038 sharpener.

9. Warranty and Support

For warranty information, technical support, or any questions regarding your VEVOR LBJ-1038 Lawn Mower Blade Sharpener, please contact VEVOR customer service through their official website or the retailer where the product was purchased. Please have your model number (LBJ-1038) and purchase details ready when contacting support.

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