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VEVOR W01-1.0X320

VEVOR 12.6-inch Slip Roll Machine User Manual

Model: W01-1.0X320 | Brand: VEVOR

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your VEVOR 12.6-inch Slip Roll Machine. Please read this manual thoroughly before using the machine to ensure proper function and to prevent injury or damage.



Image 1.1: The VEVOR 12.6-inch Slip Roll Machine ready for use.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating any machinery. Failure to follow these safety guidelines may result in serious injury or damage to the equipment.

- **Read the Manual:** Understand all instructions and warnings before operation.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- **Secure Workpiece:** Ensure the sheet metal is properly secured and supported to prevent unexpected movement.
- **Clear Work Area:** Keep the work area clean, well-lit, and free from obstructions.
- **Keep Hands Clear:** Never place hands or fingers near moving rollers during operation.
- **Stable Mounting:** Mount the machine securely to a stable workbench or surface.
- **Material Compatibility:** Do not exceed the machine's specified capacity for material thickness and type.
- **Gear Guard:** Ensure the stainless steel gear guard is always in place to prevent contact with moving gears.

3. PRODUCT OVERVIEW AND FEATURES

The VEVOR 12.6-inch Slip Roll Machine is designed for forming various sheet metals such as low carbon steel, copper, and aluminum alloy. It features precision-ground rollers and adjustable controls for accurate bending.

Key Features:

- **Newly Upgraded Roller Working Surface:** Precision-ground rollers reduce friction and minimize scratching, enhancing sheet metal surface smoothness.
- **Optimized Roller Adjustment Knobs:** Allow for precise adjustment of the gap between rollers to control sheet metal diameter and accommodate various thicknesses.
- **1.25-Inch Ultra-Small Diameter Capability:** High-precision adjustment and 30mm diameter rollers enable rolling sheet metal down to a minimum diameter of 1.25 inches for fine precision work.
- **Built-in Stainless Steel Gear Guard:** Protects users from gears and extends machine lifespan by preventing exposure.
- **Detachable Rollers:** The upper roller can be easily removed for retrieving processed workpieces. The machine includes two rollers with three grooves each for wire forming.

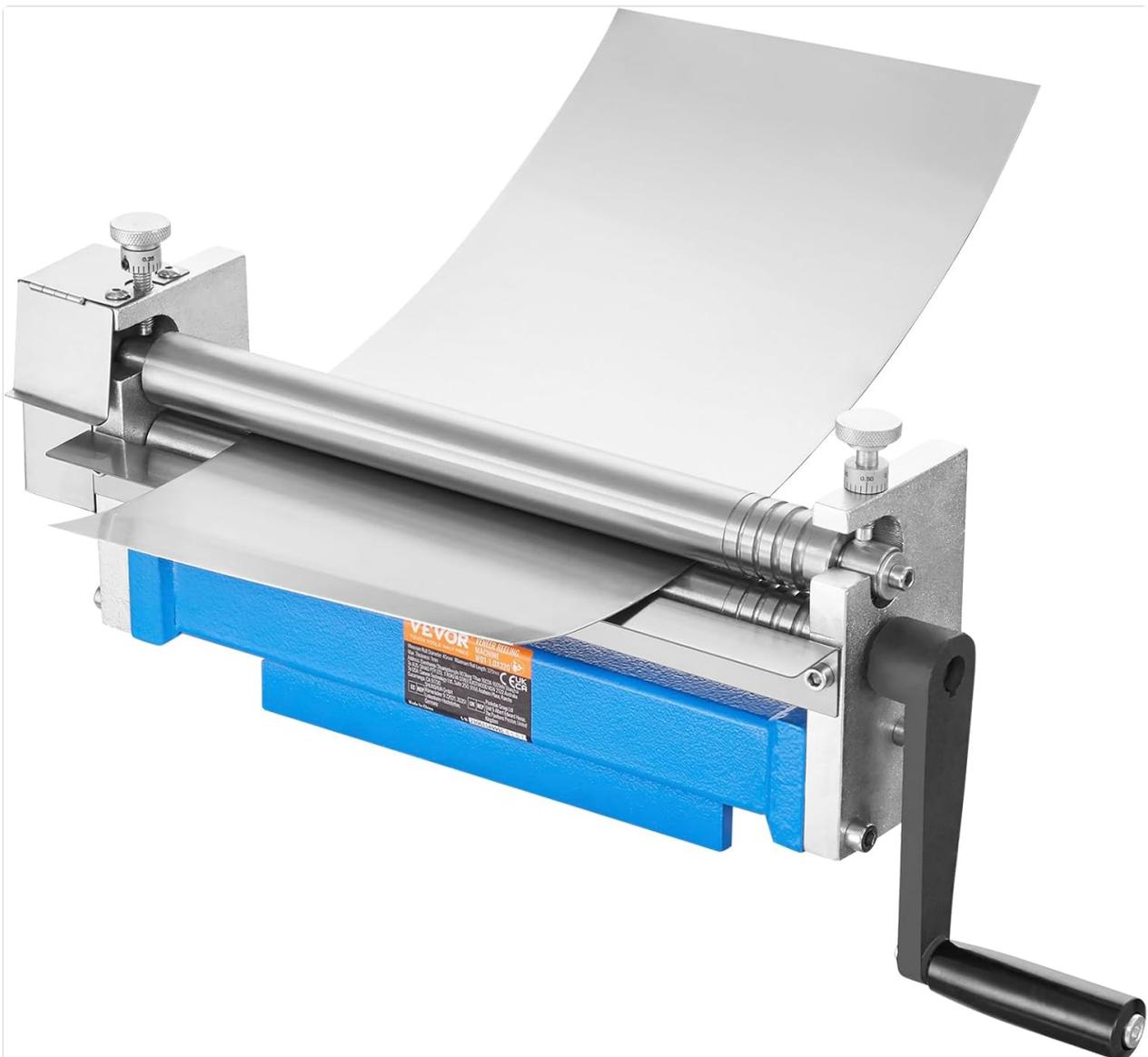


Image 3.1: Main view of the VEVOR Slip Roll Machine.

VEVOR[®]
TOUGH TOOLS, HALF PRICE

SILKY SMOOTH ROLLER SURFACE

Single-Pass Sheet Metal Rolling,
Smooth and Uniform



Image 3.2: Illustrates the silky smooth roller surface for uniform rolling.

PROCESSING ROLLS AS SMALL AS 1.25"

Ideal for Precision Work, Meeting a Wide Range of Needs



Image 3.3: Demonstrates the machine's ability to process rolls as small as 1.25 inches.

STAINLESS STEEL GEAR GUARD

Screw Fastened for Safer Operation

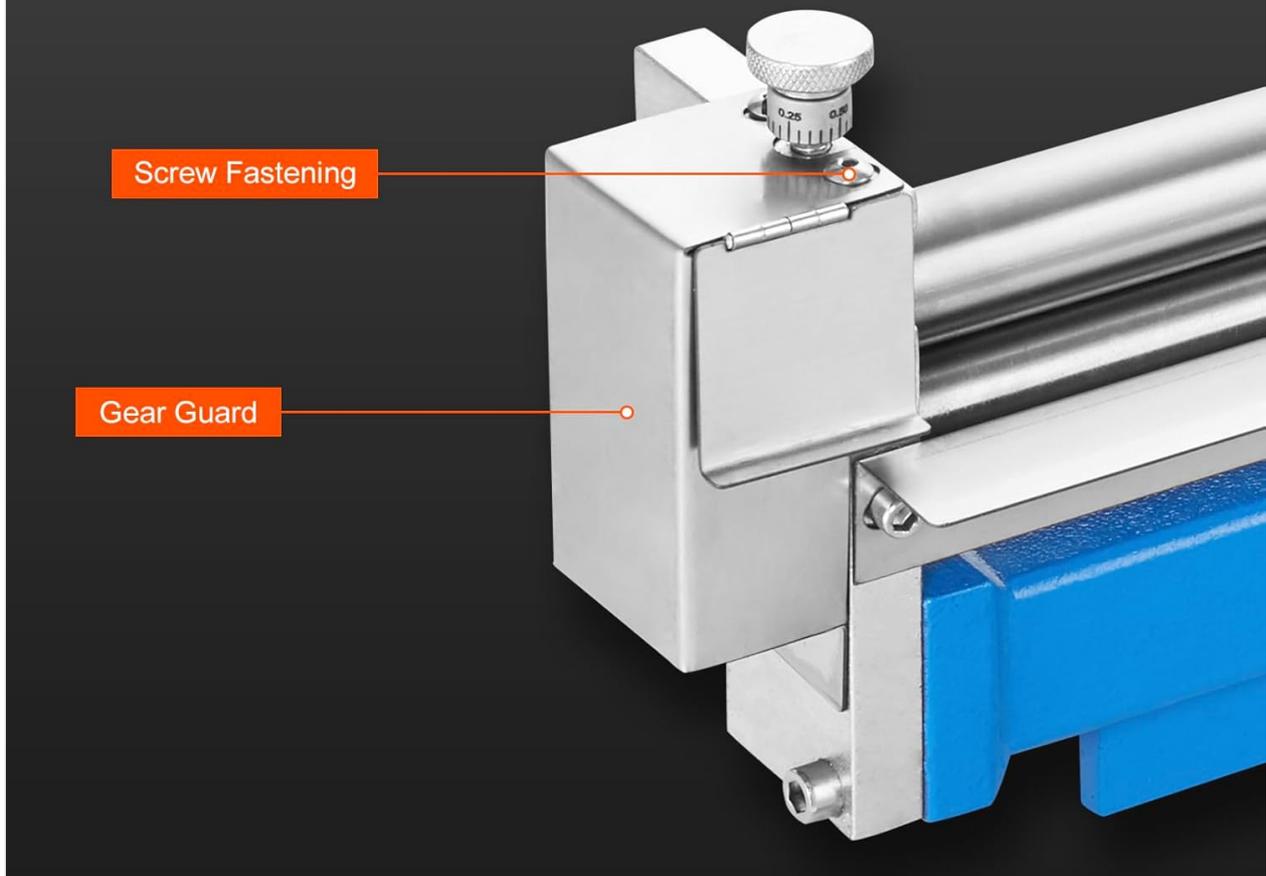


Image 3.4: View of the built-in stainless steel gear guard for safety and durability.

4. SETUP

4.1 Unboxing and Component Check

Carefully open the packaging and remove all components. Verify that all parts are present according to the packing list. Inspect for any shipping damage.

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Video 4.1: This video demonstrates the unboxing process and initial component check for the product.

4.2 Handle Installation

Attach the operating handle to the machine. Ensure it is securely fastened for stable operation.

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Video 4.2: This video illustrates the correct method for installing the handle onto the slip roll machine.

4.3 Bench Vise Installation

For enhanced strength and stability during rolling, the machine can be installed using a bench vise. Securely clamp the machine to a sturdy workbench using a bench vise.



Image 4.1: The slip roll machine securely mounted using a bench vise for stable operation.

5. OPERATING INSTRUCTIONS

5.1 Roller Adjustment

Use the precision adjustable roller knobs to set the desired gap between the rollers. This adjustment controls the bending radius and accommodates different sheet metal thicknesses. Turn the knobs clockwise to decrease the gap and counter-clockwise to increase it.

PRECISION ADJUSTABLE ROLLER KNOB

Precisely Adjust Rolling Radius and Accommodate
Sheet Metal Thickness

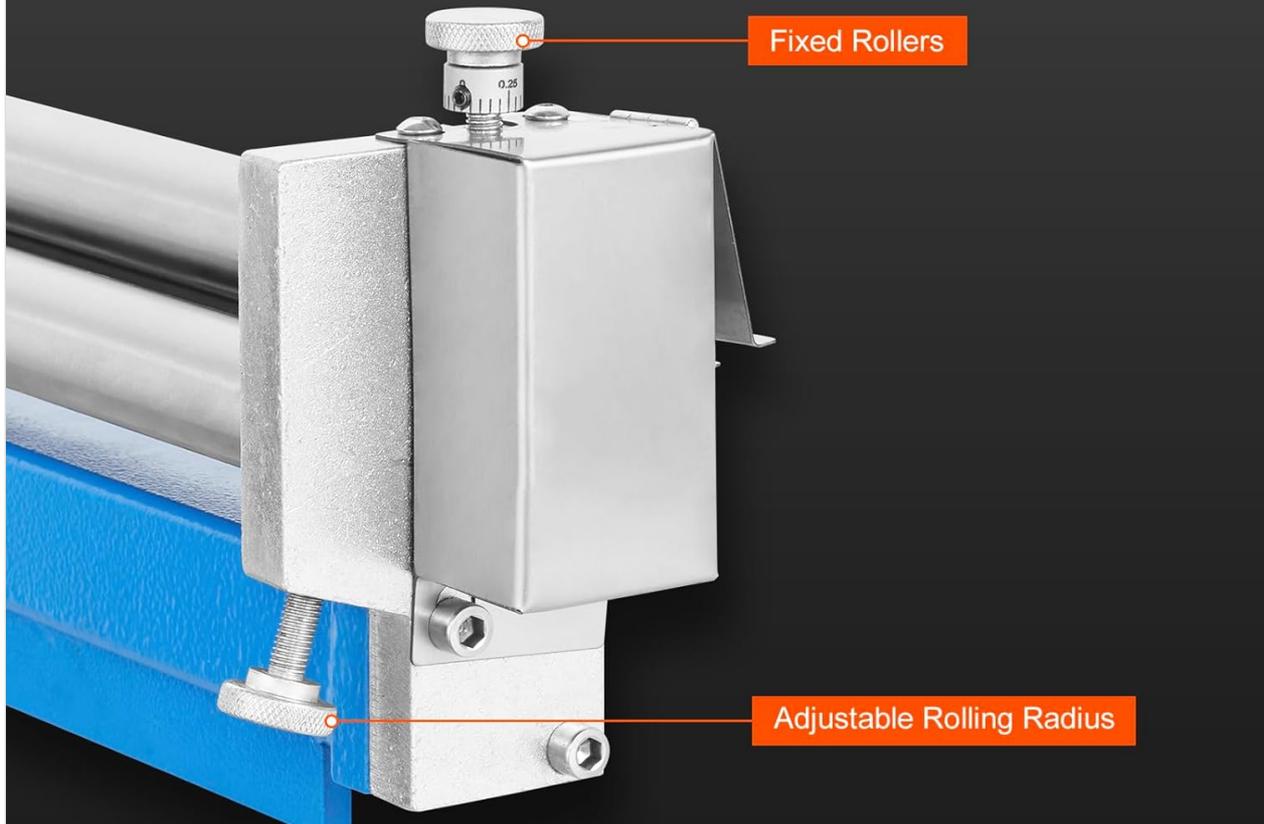


Image 5.1: Detail of the precision adjustable roller knob for setting the rolling radius.

5.2 Sheet Metal Rolling

1. Prepare the sheet metal, ensuring it is clean and free of burrs.
2. Adjust the rollers to the desired thickness and bending radius.
3. Carefully feed the edge of the sheet metal between the rollers.
4. Turn the handle steadily to begin rolling the metal. Apply consistent pressure.
5. Continue rolling until the desired curvature is achieved. Multiple passes with gradual adjustments may be necessary for tighter bends.

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Video 5.2: This video demonstrates the process of rolling sheet metal using the machine.

5.3 Retrieving Workpieces with Detachable Rollers

To retrieve a fully rolled workpiece, the upper roller can be easily detached. This allows for convenient removal of cylindrical or curved pieces without distortion.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your slip roll machine.

- **Cleaning:** After each use, clean the rollers and machine body to remove metal shavings and dust. Use a dry cloth or soft brush.
- **Lubrication:** Periodically apply a light machine oil to the moving parts, especially the gears and roller bearings, to ensure smooth operation and prevent rust.
- **Inspection:** Regularly inspect the rollers for any signs of wear, damage, or unevenness. Check all fasteners for tightness.
- **Storage:** Store the machine in a dry, clean environment to prevent corrosion.

7. TROUBLESHOOTING

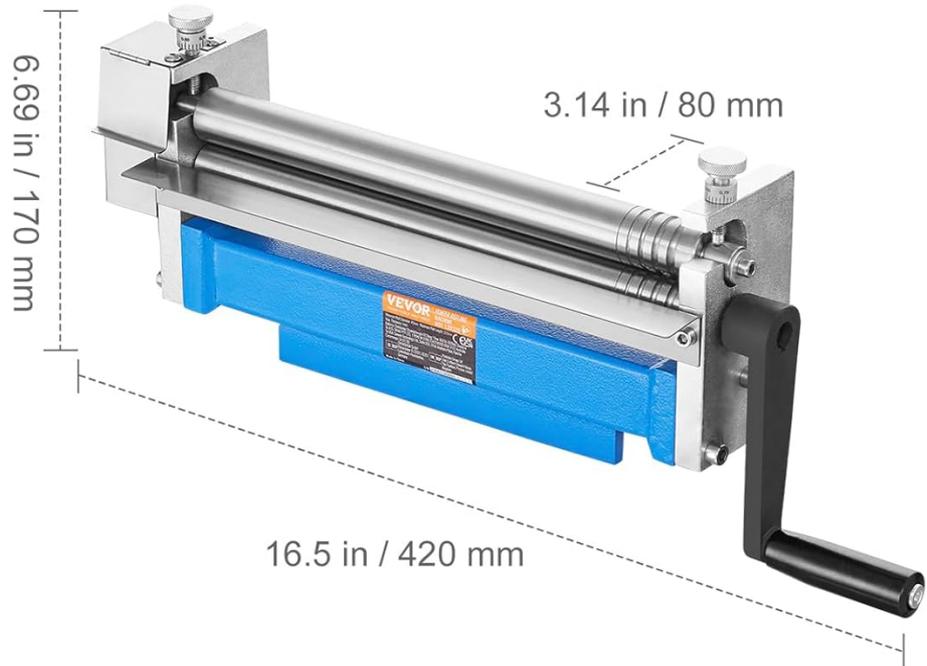
If you encounter issues with your slip roll machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Sheet metal not rolling smoothly	Rollers not properly adjusted; material too thick; rollers dirty.	Adjust roller gap; ensure material is within capacity; clean rollers.
Uneven bend or scratches on material	Rollers misaligned or damaged; foreign particles on rollers.	Inspect and clean rollers; ensure even pressure; check for roller damage.
Difficulty turning handle	Material too thick; lack of lubrication; gears obstructed.	Reduce material thickness; lubricate moving parts; check for obstructions in gears.
Machine unstable during operation	Not securely mounted.	Ensure machine is firmly clamped to a stable workbench.

8. SPECIFICATIONS

Detailed technical specifications for the VEVOR 12.6-inch Slip Roll Machine (Model W01-1.0X320).

- **Model:** W01-1.0X320
- **Maximum Rolling Width:** 12.6 inches / 320 mm
- **Roller Working Length:** 12.5 ± 0.2 inches / 320 mm ± 5 mm
- **Upper Roller Diameter:** 1.18 inches / 30 mm
- **Lower Roller Diameter:** 1.18 inches / 30 mm
- **Main Material:** Q235, 45# Carbon Steel & Alloy Steel
- **Surface Treatment and Color:** Painted, Gray
- **Product Weight:** 22.2 lbs / 10.1 kg
- **Product Dimensions:** 16.5 × 3.14 × 6.69 inches / 420 × 80 × 170 mm
- **Power Source:** Hand-powered
- **Included Components:** 1 x Slip Roll Machine



Model:
W01-1.0X320

Maximum Rolling Width:
12.5 in / 320 mm

Roller Working Length:
12.5 ± 0.2 in / 320 mm ± 5 mm

Upper Roller: Diameter:
1.18 in / 30 mm

Lower Roller: Diameter:
1.18 in / 30 mm

Surface Treatment and Color:
Painted, Gray

Main Material:
Q235, 45#

Product Weight:
Net Weight: 22.2 lbs / 10.1 kg

Product Dimensions:
16.5 × 3.14 × 6.69 in / 420 × 80 × 170 mm

Image 8.1: Technical diagram illustrating the dimensions and key specifications of the slip roll machine.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your VEVOR Slip Roll Machine, please contact VEVOR customer service directly. Refer to the product packaging or the official VEVOR website for contact details.