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BOSCH WBX319 3 In. X-LOCK Arbor Stainless Steel Crimped Wire Cup Brush Instruction Manual

Model: WBX319 | Brand: BOSCH

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your BOSCH WBX319 3 In. X-LOCK Arbor Stainless Steel Crimped Wire Cup Brush. Please read all instructions carefully before operation to ensure proper handling, maximize performance, and prevent injury.

The BOSCH WBX319 X-LOCK Cup Brush is designed for applications such as removing weld scale, burrs, and corrosion, and preparing surfaces for painting. Its X-LOCK mount offers a significantly faster change-out process compared to conventional interfaces.

2. SAFETY INFORMATION

Always prioritize safety when using power tools and accessories. Failure to follow safety instructions can result in serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses or goggles, hearing protection, gloves, and a dust mask, especially when working with wire brushes.
- **Tool Compatibility:** Ensure the X-LOCK wire cup brush is used only with X-LOCK compatible angle grinders. This brush is not backward compatible with standard 7/8 In. mounts.
- **Inspect Before Use:** Before each use, inspect the brush for any damage, loose wires, or excessive wear. Do not use a damaged brush.
- **Secure Workpiece:** Always secure the workpiece firmly to prevent movement during operation.
- **Proper Speed:** Do not exceed the maximum RPM specified for the brush (12500 RPM).
- **Avoid Over-Pressuring:** Apply only enough pressure to allow the brush to work effectively. Excessive pressure can cause wire breakage and reduce brush life.
- **Maintain Control:** Always maintain a firm grip on the angle grinder and be aware of kickback potential.
- **Work Area:** Ensure your work area is well-lit and clear of obstructions. Keep bystanders away.

3. SETUP AND INSTALLATION

The X-LOCK system simplifies accessory changes. Follow these steps to install the wire cup brush:

1. **Ensure Power Off:** Disconnect the angle grinder from its power source before installing or removing any accessories.
2. **Align and Push:** Align the X-LOCK mount of the wire cup brush with the X-LOCK spindle on your angle grinder. Push the brush onto the spindle until you hear an audible "snap." This indicates the brush is securely locked in place.
3. **Verify Secure Fit:** Gently tug on the brush to ensure it is firmly attached and does not wobble. The X-LOCK system ensures proper mounting without the need for a spanner wrench or flange nuts.

Quick accessory changes

SNAP-IN MOUNTING

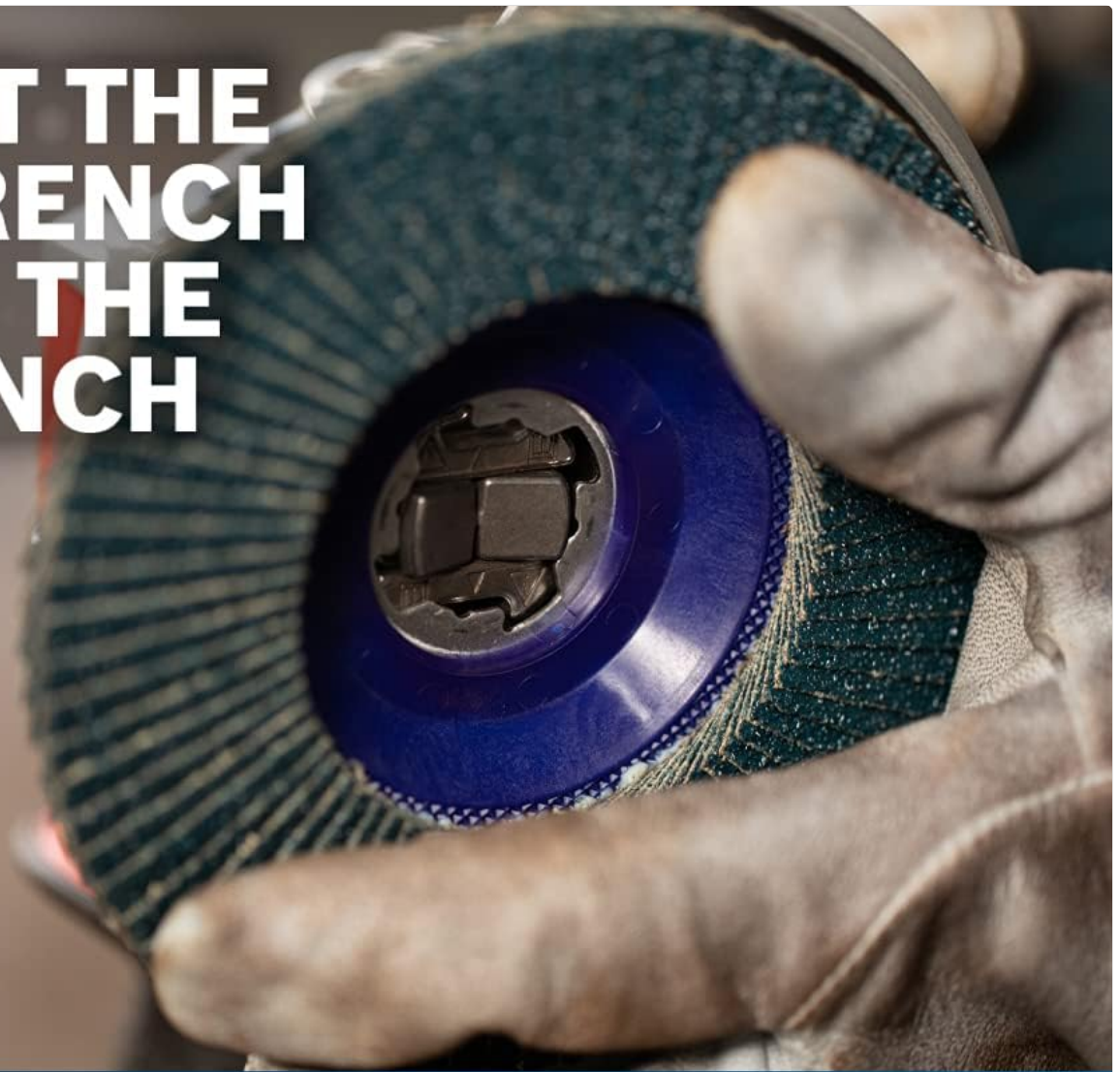


SINGLE-LEVER RELEASE



Figure 3.1: Quick accessory changes with X-LOCK system, illustrating snap-in mounting and single-lever release.

PUT THE WRENCH ON THE BENCH



Tool-Free System

Single lever wheel ejection without need of a spanner wrench

Figure 3.2: The X-LOCK Tool-Free System eliminates the need for a spanner wrench for disc changes.

4. OPERATING INSTRUCTIONS

Once the brush is securely installed, you can begin operation. Always refer to your angle grinder's manual for specific operating procedures.

1. **Power On:** Turn on your X-LOCK compatible angle grinder. Allow the brush to reach full operating speed before contacting the workpiece.
2. **Application:** Gently bring the rotating wire cup brush into contact with the surface to be cleaned or prepared. The crimped stainless steel bristles are suitable for softer brushing action, ideal for removing weld scale, burrs, and corrosion.
3. **Movement:** Use a consistent, even motion across the surface. Avoid dwelling in one spot, which can cause excessive heat buildup or damage to the workpiece.
4. **Optimal Performance:** The precision-balanced cup design helps virtually eliminate vibration, contributing to smoother operation and better control.
5. **Power Off:** When finished, lift the brush from the workpiece and turn off the angle grinder. Wait for the brush to come to a

complete stop before setting the tool down.



Figure 4.1: The BOSCH WBX319 wire cup brush in action, effectively removing rust from a metal surface.

5. MAINTENANCE AND STORAGE

Proper maintenance extends the life of your wire cup brush and ensures continued safe operation.

- **Cleaning:** After each use, clean any debris or residue from the brush. A stiff brush or compressed air can be used.
- **Inspection:** Regularly inspect the wires for breakage, bending, or excessive wear. If more than 10% of the wires are broken or severely worn, the brush should be replaced.
- **Storage:** Store the wire cup brush in a dry, clean environment, away from moisture and corrosive materials. Protect the bristles from damage.
- **Disposal:** Dispose of worn or damaged brushes according to local regulations.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Brush not attaching to grinder	Not an X-LOCK compatible grinder; improper alignment; debris in mount.	Ensure grinder is X-LOCK compatible. Re-align and push firmly until "snap." Clean mount area.
Excessive vibration during use	Brush not properly seated; damaged or worn brush; unbalanced pressure.	Re-install brush, ensuring secure fit. Inspect brush for damage and replace if necessary. Apply even pressure.
Wires breaking or shedding rapidly	Excessive pressure; incorrect RPM; brush worn out.	Reduce pressure. Ensure grinder RPM is within brush's maximum rating. Replace brush if worn.
Ineffective cleaning	Brush worn out; incorrect brush type for application.	Replace brush. Ensure stainless steel crimped brush is suitable for the material and task.

7. PRODUCT SPECIFICATIONS

Attribute	Detail
Model Number	WBX319
Brand	BOSCH
Style	Stainless Steel Wire Cup Brush
Pattern	Crimped
Size	3 In. (7.62 cm)
Product Dimensions	3"L x 3"W (approx. 7.62 cm L x 7.62 cm W)
Material	Stainless Steel
Grit Type	Fine
Grit Number	120
Compatible Devices	Angle Grinder (X-LOCK compatible only)
Maximum RPM	12500 RPM
Item Weight	0.01 ounces (approx. 0.28 grams)
Included Components	(1) 3 In. Wheel Dia. X-LOCK Arbor Stainless Steel Crimped Wire Cup Brush
UPC	000346642414



Figure 7.1: Dimensions of the BOSCH WBX319 X-LOCK Wire Cup Brush.

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact BOSCH customer service or visit the official BOSCH website.

- **BOSCH Official Website:** www.boschtools.com
- **BOSCH Store on Amazon:** Visit the BOSCH Store

Please have your model number (WBX319) and purchase information ready when contacting support.