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Bosch Universal Drill 12345

Bosch Universal Drill 12345 User Manual

Model: Universal Drill 12345

1. Important Safety Instructions

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

2. Product Overview

Familiarize yourself with the components of your Bosch Universal Drill 12345 before operation.



Image 1: Overview of the Bosch Universal Drill 12345, highlighting key components such as the chuck, auxiliary handle, depth stop, speed selector, and trigger switch.

1. **Chuck:** Holds drill bits securely.
2. **Auxiliary Handle:** Provides additional grip and control.
3. **Depth Stop:** For precise drilling depth.
4. **Speed Selector:** Adjusts rotational speed.
5. **Trigger Switch:** Activates the drill.
6. **Forward/Reverse Switch:** Changes rotation direction.

3. Setup

3.1 Unpacking

Carefully remove the drill and all accessories from the packaging. Inspect for any damage that may have occurred during transit. Retain packaging for future storage or transport.

3.2 Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle onto the front of the drill body.
3. Adjust the handle to a comfortable and secure position.
4. Tighten the handle by rotating it clockwise until firm.



Image 2: Step-by-step visual guide for correctly attaching the auxiliary handle to the drill for improved control.

3.3 Inserting Drill Bits

1. Ensure the drill is unplugged from the power source.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit fully into the chuck.
4. Rotate the chuck clockwise to tighten the jaws firmly around the drill bit.
5. *Optional:* Use the chuck key (if provided) to ensure maximum tightness.



Image 3: Detailed view of how to properly insert and secure a drill bit into the keyless chuck mechanism.

4. Operating Instructions

4.1 Powering On/Off

To turn the drill on, press the trigger switch. To turn it off, release the trigger switch. For continuous operation, press the trigger switch and then engage the lock-on button (if available).

4.2 Selecting Speed

The speed selector allows you to choose the appropriate rotational speed for your application. Lower speeds are suitable for larger drill bits and harder materials, while higher speeds are for smaller bits and softer materials.

4.3 Drilling Techniques

- Always secure your workpiece before drilling.
- Apply steady, even pressure. Do not force the drill.
- Start with a pilot hole for larger diameter drilling.
- Allow the drill to reach full speed before contacting the workpiece.

5. Maintenance

5.1 Cleaning

Regularly clean the ventilation slots of the drill to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaners.

5.2 Storage

Store the drill in a dry, secure location, out of reach of children. Protect it from direct sunlight and extreme temperatures.

6. Troubleshooting Guide

Problem	Possible Cause	Solution
Drill does not start	No power supply; Faulty switch	Check power connection; Contact service center
Excessive vibration	Bent drill bit; Loose chuck	Replace drill bit; Tighten chuck
Overheating	Blocked ventilation slots; Overloading	Clean ventilation slots; Reduce load

7. Technical Specifications

Parameter	Value
Model	Universal Drill 12345
Rated Power Input	750 W
No-load Speed	0-3000 rpm
Chuck Capacity	1.5 - 13 mm
Max. Drilling Diameter (Wood)	30 mm
Max. Drilling Diameter (Steel)	13 mm
Weight	2.1 kg

8. Warranty and Support

8.1 Warranty Information

This Bosch Universal Drill 12345 comes with a standard 2-year manufacturer's warranty from the date of purchase, covering defects in materials and workmanship. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, abuse, normal wear and tear, or unauthorized repairs.

8.2 Customer Support

For technical assistance, spare parts, or warranty service, please contact Bosch Customer Service. You can find detailed contact information and frequently asked questions on our official website:

www.bosch-pt.com

Please have your model number (Universal Drill 12345) and serial number ready when contacting support.

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