

ohyes ZX0881

ohyes Cordless Metal Nibbler ZX0881 User Manual

Model: ZX0881

IMPORTANT SAFETY INSTRUCTIONS

Read 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. Save all warnings and instructions for future reference.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

- Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

PRODUCT OVERVIEW

The ohyes Cordless Metal Nibbler ZX0881 is a powerful and versatile tool designed for cutting various sheet metal materials. It features a brushless motor, variable speed control, and is compatible with DeWALT 18V and 20V Max batteries.

Components



Figure 1: Product Structure. This image displays the main components of the nibbler, including the Handle Screw Mouth, Edge, On/Off Switch, Rear Handle, and Indicator Light. It also shows included accessories such as a Wrench, Waste Bag, Hexagonal Screwdriver, Drill Bit Set, Drill Bit Storage Box, and Detachable Handle.

- Handle Screw Mouth:** Secures the cutting die.

- **Edge:** The cutting punch and die assembly.
- **On/Off Switch:** Activates and deactivates the tool.
- **Rear Handle:** Provides grip and control during operation.
- **Indicator Light:** Shows tool status, including battery voltage.
- **Battery Port:** For connecting compatible DeWALT 18V/20V Max batteries.

Key Features

- **Brushless Motor:** Delivers efficient and powerful cutting performance.
- **High Strokes Per Minute (SPM):** Up to 1,900 SPM for fast and clean cuts.
- **Variable Speed Control:** Allows adjustment of cutting speed for different materials and tasks.
- **Waste Collection:** Integrated waste bag attachment for a cleaner workspace.
- **Ergonomic Design:** Reduces hand fatigue for comfortable extended use.
- **Battery Compatibility:** Designed for use with DeWALT 18V & 20V Max batteries, including 20-60V Flexvolt batteries.
- **Automatic Shutdown:** Activates if battery voltage drops below 15.5V to prevent overload damage.
- **360-Degree Die Holder:** Ensures flexible cutting directions.



Figure 2: Powerful Performance. This image highlights the brushless motor and the 1900 SPM capability of the nibbler, demonstrating its cutting power.

MAXIMUM CUTTING CAPACITY

Mild Steel/Stainless/Aluminum



Figure 3: Maximum Cutting Capacity. This image illustrates the nibbler's ability to cut up to 16 gauge mild steel, 18 gauge stainless steel, and 12 gauge aluminum.

COMPATIBLE WITH DEWALT 20V MAX BATTERY

Battery not Included



Figure 4: Battery Compatibility. This image shows the nibbler's compatibility with various DeWALT 20V Max battery types (battery not included).

SETUP

1. Battery Installation

1. Ensure the nibbler's On/Off switch is in the "OFF" position.
2. Align the battery pack with the battery port on the tool's base.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button (if present on your battery) and slide the battery pack out.

Note: This tool is compatible with DeWALT 18V & 20V Max batteries, including 20-60V Flexvolt batteries. The battery is not included with the tool.

2. Waste Bag Attachment

1. Locate the waste bag attachment point on the nibbler (refer to Figure 1).
2. Securely attach the provided waste bag to collect metal shavings during operation. This helps maintain a clean workspace.

3. Die Holder Rotation

The die holder can rotate 360 degrees to allow for flexible cutting directions. To adjust the die holder:

1. Ensure the tool is off and the battery is removed.
2. Loosen the handle screw mouth (refer to Figure 1).
3. Rotate the die holder to the desired angle.
4. Tighten the handle screw mouth firmly to secure the die holder in position before operation.



Figure 5: Die Holder Rotation. This image demonstrates how the die holder can be rotated 360 degrees for flexible cutting angles.

OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment, including eye protection, gloves, and hearing protection, when operating the nibbler.

1. Starting and Stopping the Tool

- To start the tool, press the On/Off switch (refer to Figure 1).

- To stop the tool, release the On/Off switch.

2. Variable Speed Control

The nibbler features a variable speed button. Adjust the cutting speed up to 1,900 strokes per minute (SPM) based on the material thickness and type. Lower speeds are generally suitable for thicker or harder materials, while higher speeds are for thinner materials or faster cuts.

3. Cutting Procedure

1. Secure the workpiece firmly to prevent movement during cutting.
2. Ensure the waste bag is attached.
3. Position the nibbler's cutting head over the starting point of your cut.
4. Start the tool and slowly guide the nibbler along the desired cutting line. Apply steady, even pressure.
5. Allow the tool to do the work; do not force it. Forcing the tool can lead to poor cuts, damage to the tool, or injury.
6. The nibbler is capable of cutting up to 16 gauge mild steel, 18 gauge stainless steel, and 12 gauge aluminum.



Figure 6: Cutting Through Various Materials. This image shows the nibbler in action, demonstrating its ability to cut different types of sheet metal.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the battery before performing any maintenance.

1. Cleaning

- After each use, empty the waste bag and clean any accumulated metal shavings from the cutting head and ventilation openings.
- Use a soft, dry cloth to wipe down the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Ensure all air vents are clear of obstructions to prevent overheating.

2. Blade and Die Replacement

The cutting punch and die are wear items and will need replacement over time. The tool includes blade replacement accessories.

1. Disconnect the battery pack.
2. Loosen the handle screw mouth and remove the old punch and die.
3. Clean the area thoroughly.
4. Insert the new punch and die, ensuring they are correctly oriented and seated.
5. Tighten the handle screw mouth firmly.
6. Test the tool on a scrap piece of material before resuming work.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged. On/Off switch not fully engaged.	Ensure battery is fully charged and properly seated. Press the On/Off switch firmly.
Tool stops during operation.	Battery discharged. Overload protection activated (battery voltage below 15.5V).	Recharge or replace the battery. Reduce cutting pressure or material thickness. Allow tool to cool if overheated.
Poor cutting performance or rough edges.	Dull punch or die. Incorrect cutting speed. Material too thick.	Replace the punch and die. Adjust variable speed control. Ensure material is within specified cutting capacity.
Excessive vibration or noise.	Loose components. Damaged punch or die.	Check that the handle screw mouth is tight. Inspect and replace punch/die if damaged.

SPECIFICATIONS

Feature	Specification
Model Number	ZX0881
Brand	ohyes
Power Source	Battery Powered
Voltage	20 Volts (Compatible with DeWALT 18V & 20V Max batteries)
Wattage	1000 watts

Feature	Specification
Motor Type	Brushless
Strokes Per Minute (SPM)	Up to 1,900 (Variable Speed)
Cutting Capacity (Mild Steel)	Up to 16 Gauge
Cutting Capacity (Stainless Steel)	Up to 18 Gauge
Cutting Capacity (Aluminum)	Up to 12 Gauge
Material	Acrylonitrile Butadiene Styrene, Stainless Steel (Tool Body)
Handle Material	Metal, Plastic
Included Components	Machine, Blade Replacement Accessories, User Manual, Wrench, Waste Bag, Hexagonal Screwdriver, Drill Bit Set, Drill Bit Storage Box, Detachable Handle
Item Weight	2.02 kg
Dimensions (Package)	35 x 23.7 x 9.19 cm

WARRANTY AND SUPPORT

The ohyes Cordless Metal Nibbler ZX0881 comes with a **12-month warranty**. For any issues regarding the product or for customer service, please contact the manufacturer or seller. 24/7 customer service is available to assist you.

Please retain your proof of purchase for warranty claims.