

Special Cuts

NEVER MAKE ANY CUT UNLESS THE MATERIAL IS SECURED ON THE TABLE AND AGAINST THE FENCE.

Aluminum Cutting (Fig. A, W)

ALWAYS USE THE APPROPRIATE SAW BLADE MADE ESPECIALLY FOR CUTTING ALUMINUM. These are available at your local DEWALT retailer or DEWALT service center. Certain workpieces, due to their size, shape or surface finish, may require the use of a clamp or fixture to prevent movement during the cut. Position the material so that you will be cutting the thinnest cross section, as shown in Figure W. Figure W also illustrates the wrong way to cut these extrusions. Use a stick wax cutting lubricant when cutting aluminum. Apply the stick wax directly to the saw blade **39** before cutting. Never apply stick wax to a moving blade.

The wax, available at most hardware stores and industrial mill supply houses, provides proper lubrication and keeps chips from adhering to the blade.

Be sure to properly secure workpiece.

Refer to **Saw Blades** under **Accessories** for correct saw blade.

Bowed Material (Fig. X, Y)

When cutting bowed material always position it as shown in Figure X and never like that shown in Figure Y. Positioning the material incorrectly will cause it to pinch the blade near the completion of the cut.

Cutting Plastic Pipe or Other Round Material

Plastic pipe can be easily cut with your saw. It should be cut just like wood and **CLAMPED OR HELD FIRMLY TO THE FENCE TO KEEP IT FROM ROLLING**. This is extremely important when making angle cuts.

Cutting Large Material (Fig. Z)

Occasionally you will encounter a piece of wood a little too large to fit beneath the lower guard. If this occurs, simply place your right thumb on the upper side of the guard and roll the guard up just enough to clear the workpiece, as shown in Figure Z. Avoid doing this as much as possible, but if need be, the saw will operate properly and make the bigger cut. NEVER TIE, TAPE, OR OTHERWISE HOLD THE GUARD OPEN WHEN OPERATING THIS SAW.

MAINTENANCE



WARNING: To reduce the risk of serious personal injury, turn tool off, and remove the battery pack before transporting, making any adjustments, cleaning, repairing, or removing/installing attachments or accessories. An accidental start-up can cause injury.



WARNING: To reduce the risk of serious personal injury, DO NOT touch the sharp points on the blade with fingers or hands while performing any maintenance.

DO NOT use lubricants or cleaners (particularly spray or aerosol) in the vicinity of the plastic guard. The polycarbonate material used in the guard is subject to attack by certain chemicals.

1. All bearings are sealed. They are lubricated for life and need no further maintenance.
2. Periodically clean all dust and wood chips from around AND UNDER the base and the rotary table. Even though slots are provided to allow debris to pass through, some dust will accumulate.

Cleaning



WARNING: Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this procedure.



WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Worklight Cleaning

For the best worklight performance, perform the following maintenance regularly.

1. Carefully clean sawdust and debris from worklight lens with a cotton swab.
2. DO NOT use solvents of any kind, they may damage the lens.
3. Dust build-up can block the worklight and prevent it from accurately indicating the line of cut.
4. Follow miter saw's instruction manual to remove and install blade.
5. With blade removed from saw, clean pitch and build-up from blade. Pitch and debris can interfere with the worklight and prevent it from accurately indicating the line of cut.

| SPECIFICATIONS | |
|-----------------------|-------------------------------------|
| Light source | Power LED |
| Worklight | 6 V DC |
| Operating Temperature | -40 °F to 221 °F (-40 °C to 105 °C) |
| Storage Temperature | -40 °F to 221 °F (-40 °C to 105 °C) |
| Environmental | Water resistant |

Dust Duct Cleaning

Depending on your cutting environment, saw dust can clog the dust duct and may prevent dust from flowing away from the cutting area properly. With the saw unplugged and the saw head raised fully, low pressure air or a large diameter dowel rod can be used to clear the dust out of the dust duct.

Accessories



WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website: www.dewalt.com.

Optional Accessories

The following accessories, designed for your saw, may be helpful. Use care in selecting and using accessories.

Dust Bag: DW7053

Equipped with a zipper for easy emptying, the dust bag will capture the majority of the sawdust produced.

Crown Molding Fence: DW7084

Used for precision cutting of crown molding.

Saw Blades

ALWAYS USE 12" (305 mm) SAW BLADES WITH 1" (25.4 mm) ARBOR HOLES. SPEED RATING MUST BE AT LEAST 4800 RPM. Never use a smaller diameter blade. It will not be guarded properly. Use crosscut blades only! Do not use blades designed for ripping, combination blades or blades with hook angles in excess of 7°.

| BLADE DESCRIPTIONS | | |
|--|--------------|-------|
| APPLICATION | DIAMETER | TEETH |
| Construction Saw Blades (maximum thin kerf with anti-stick rim) | | |
| General Purpose | 12" (305 mm) | 32/40 |
| Fine Crosscuts | 12" (305 mm) | 60 |
| Woodworking Saw Blades (provide smooth, clean cuts) | | |
| Fine crosscuts | 12" (305 mm) | 80 |
| Non-ferrous metals | 12" (305 mm) | 96 |

NOTE: For cutting non-ferrous metals, use only saw blades with TCG teeth designed for this purpose.

Repairs

The charger and batteries are not serviceable. There are no serviceable parts inside the charger or battery pack.



WARNING: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a DEWALT factory service center or a DEWALT authorized service center. Always use identical replacement parts.

Register Online

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.
- Register online at www.dewalt.com.

Three Year Limited Warranty

For warranty terms, go to <https://www.dewalt.com/Legal/Warranty/3-Year-Limited-Warranty>.

To request a written copy of the warranty terms, contact: Customer Service at DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286 or call 1-800-4-DEWALT (1-800-433-9258).

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained in the packaging, call the local company or see website for warranty information.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-4-DEWALT (1-800-433-9258) for a free replacement.