SAFETY INSTRUCTIONS FOR POWER TOOLS

When using power tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place for future reference.

SAVE THESE INSTRUCTIONS

1. WORK AREA
   a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.
   b. Do not operate power tools in explosive atmosphere (gas, dust, fibers).
   c. Clothes and hair should not be loose enough to be caught in moving parts of the power tool.
   d. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for indoor use will reduce the risk of electric shock.

2. PERSONAL SAFETY
   a. 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.
   b. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or frayed cords increase the risk of electric shock.
   c. Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Some chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are approved by NIOSH/OSHA.
   d. Hearing damage may occur if the tool is improperly used. A moment of inattention may cause permanent hearing loss.

3. ELECTRICAL SAFETY
   a. Tool power 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 sockets will reduce the risk of electric shock.
   b. Avoid body contact with earthed or grounded objects such as radiators, pipes, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
   c. Do not expose power tools to rain or wet conditions. Power tools are dangerous in the hands of untrained users or these instructions to operate the power tool.
   d. Avoid accidental starting. Ensure the switch is in the off position before plugging in.

4. POWER TOOL USE AND CARE
   a. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better at the rate for which it was designed.
   b. Do not use power tools 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.
   c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such precautions reduce the risk of starting the power tool accidentally.
   d. Store idle power tools out of the reach of children and other untrained persons. A power tool is dangerous in the hands of untrained persons.
   e. Maintain power tools. Check for misalignment or binding of moving parts, brakeage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

5. BATTERY TOOL USE AND CARE
   a. Ensure the switch is in the off position before inserting battery pack. Inserting the battery pack into power tools that have the switch on invites accidents.
   b. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery may create a risk of fire when used with another battery.
   c. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
   d. When battery pack is not in use, keep it away from other metal objects like paper clips, coins, nails, screws, or other small metal objects that can connect two different terminals of the battery pack and cause a short circuit. A short circuit can cause the battery to be hot.
   e. 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.

6. SERVICE
   a. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Electrical Safety

The battery pack has been designed for one voltage only. Always check that the power supply corresponds to the voltage rating on the label. Do not use 240 V AC means your tool will operate on alternating current. As little as 10% voltage loss can cause power tool to overheat and may damage switch. If this is not operate, check the power supply. Your Diwal Tool is double insulated, therefore no earth wire is required.

- Young children and the infirm. This appliance is not intended for use by young children or infirm persons unless supervised by a responsible adult. The adult is to supervise or to provide for reasonable safeguards against contact with the appliance.

- Replacement of the supply cord. If the supply cord is damaged, it must be replaced by the manufacturer or an authorized Diwal Tool Service Centre in order to avoid a hazard.

Important Safety Instructions for Battery Packs

Your tool comes with either a Li, NiCad, or Li-Ion battery pack. When ordering replacement battery packs, be sure to include catalog number and voltage. Extended Run-Time battery packs deliver 25% more run-time than standard battery packs. Battery packs slowly lose their charge when they are not on the charger, the best place to keep your battery is on the charger where it will remain charged.

- The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the nickel-cadmium battery (or battery pack) indicates that the nickel-cadmium battery (or battery pack) should not be discarded in the trash or municipal solid waste stream and the RBRC program provides an environmentally conscious alternative.

- The RBRC™ Seal is a registered trademark of the Rechargeable Battery Recycling Corporation.

- In cooperation with Diwal Tool and other battery users, has established programs in the United States to facilitate the collection of spent nickel-cadmium batteries. Help protect our environment and conserve natural resources by returning your spent nickel-cadmium battery to an authorized Diwal Tool service center or your local retailer for recycling. You may also contact your local recycling center for information on where to drop off the spent battery.

- Diwal Tool is a registered trademark of the Rechargeable Battery Recycling Corporation.
**Battery Chargers**

**SAFE INSTRUCTIONS:** These manuals contain important safety instructions for battery chargers.

- Before using charger, read all instructions and caution markings on charger, battery pack, and product using battery pack.
- **120 volt** are present at charging terminals. Do not probe with conductive objects. Electric shock or electrocution may result.

**WARNING:** Do not allow any liquid to get inside charger. Electric shock or electrocution may result.

**AUTION:** To avoid injury, do not allow the charger to plug in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug charger from electrical outlet before handling or moving charger. When there is no battery pack in the cavity, unplugging charger before attempting to clean.

- **DO NOT attempt to charge the battery pack with any charger other than the one in this manual.** The charger and battery pack are specifically designed to work together.
- **DO NOT operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorized service center or other collection site for recycling. If the new battery pack elicits the same trouble indication as the battery pack it replaces, have it checked out by an authorized service center.

**NOTE:** Changes are not intended for use with batteries other than charging DWALT rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.

**Charging Procedure (Fig. 1)**

**DANGER:** 240 Volts are present at charging terminals. Do not probe with conductive objects. Electric shock or electrocution may result.

1. **Plug the charger into an appropriate outlet.**
2. **Insert the battery pack into the charger.** The red (charging) light will blink continuously indicating that the charging operation of the chuck has started.
3. **When the 1-hour charge cycle is complete, the light will stay on continuously and will no longer blink.** This indicates that the pack is fully charged and can be used at this time.

**CAUTION:** Do not disassemble the charger, take it to an authorized service center or other collection site for recycling. If the new battery pack elicits the same trouble indication as the battery pack it replaces, have it checked out by an authorized service center.

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Drilling in Wood
Start drilling with slow speed and increase to full power while applying firm pressure to the tool. Holes in wood can be made with the same twist drills used for metal. These bits may overlap unless pulled out frequently to clear chips from the flutes. For larger holes, use low speed wood bits. Work that is likely to splinter should be backed up with a block of wood.

Drilling in Metal
Start drilling with slow speed and increase to full power while applying firm pressure on the tool. A smooth even flow of metal chips indicates the proper drilling rate. Use a cutting lubricant when drilling metals. The exceptions are cast iron and brass which should be drilled dry.

NOTE: Large (7.94mm to 12.7mm; 5/16" to 1/2") holes in steel can be made easier if a pilot hole (3.97mm to 4.76mm; 5/32" to 3/16") is drilled first.

Drilling in Masonry

(TOOLS WITHOUT A HAMMER FEATURE)
Use carbide tipped bits rated for percussion drilling and be certain that the bit is sharp. Use a constant and firm force on the tool to drill most effectively. A smooth, even flow of dust indicates the proper drilling rate.

Operation as a Hammerdrill
Some models have the Hammerdrill feature. To utilize the hammer feature of your tool, rotate the collar to align the hammer symbol with the arrow shown in Figure 3. The hammering position is for hammer drilling in soft concrete and masonry such as brick, mortar, and soft ceramics.

1. When drilling, use just enough force on the hammer to keep it from bouncing excessively or "rising" off the bit. Too much force will cause slower drilling speeds, overheating, and a lower drilling rate.
2. Drill straight, keeping the bit at a right angle to the work. Do not exert side pressure on the bit when drilling as this will cause clogging of the bit flutes and a slower drilling speed.
3. When drilling deep holes, if the hammer speed starts to drop off, pull the bit partially out of the hole with the tool still running to help clear debris from the hole.
4. Do not pour water into the hole to settle dust. Water causes clogging of bit flutes which will tend to make the bit bind in the hole.

Operation as a Screwdriver
Select the desired speed/torque range using the 3 speed gear shift lever on the top of tool to match the speed and torque to the planned operation. Insert the desired harness accessory into the chuck as you would any drill bit. Set the torque adjustment collar (Fig. 3). Make a few practice runs in scrap or unseen areas to determine the proper position of the clutch collar.

MAINTENANCE

Cleaning

▲ CAUTION: With the motor running, blow dust and dust out of all vents with dry air at least once a week. Wear safety glasses when performing this. Exterior plastic parts may be cleaned with a damp cloth and mild detergent. Although these parts are highly solvent resistant, NEVER use solvents.

CHASSIS CLEANING INSTRUCTIONS

▲ WARNING: Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

Repairs
To assure product SAFETY and RELIABILITY repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by certified service centers or other qualified service organizations. Always use identical replacement parts.

Accessories
Recommended accessories for use with your tool are available at extra cost from your local service center. If you need any assistance in locating any accessory, please contact DEWALT Industrial Tool Co., 20 Fletcher Road, Mooroolbark, VIC 3138 Australia or call 1800-654-155.

▲ CAUTION: The use of any non-recommended accessory may be hazardous.

MAXIMUM RECOMMENDED CAPACITIES

<table>
<thead>
<tr>
<th>Bits, Metal Drilling</th>
<th>Speed 1</th>
<th>Speed 2</th>
<th>Speed 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/32&quot; (2.38mm)</td>
<td>6.35mm (1/4&quot;)</td>
<td>8.56mm (5/32&quot;)</td>
<td>10.36mm (5/32&quot;)</td>
</tr>
<tr>
<td>1/16&quot; (1.59mm)</td>
<td>4.58mm (3/32&quot;)</td>
<td>6.35mm (1/4&quot;)</td>
<td>8.05mm (5/32&quot;)</td>
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</table>

Guarantee
Applicable to hand held Power Tools, Lasers and Nailer.

Three Year Limited Warranty
DEWALT will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. Please return the complete unit, transportation prepaid, to any DEWALT Service Centre, or any authorised service station.

For warranty repair information, call 1800 654 155.

This warranty does not apply to:
• Accessories
• Damage caused where repairs have been made or attempted by others.
• Damage due to misuse, neglect, wear and tear, alteration or modification.

This warranty gives you specific legal rights and you may have other rights under the provisions of the Consumer Guarantee Act 1993 (New Zealand only), Trade Practices Act 1974 and State Legislation (Australia only).

In addition to the warranty, DEWALT tools are covered by our:

FREE ONE YEAR SERVICE CONTRACT
DEWALT will also maintain the tool for free at any time during the first year of purchase. This includes labour, parts and lubrication required to restore the product to sound mechanical and/or electrical condition. Normal wear parts are not covered in this service. Carbon brushes worn more than 50% will be replaced.

NOTE: Three Year Warranty is not applicable to items deemed as consumables. Radial arm saws are covered by a one (1) year warranty only. DEWALT Reserves the right to review its warranty policy prior to launch of any new business development products.

30 DAY NO SATISFACTION GUARANTEE
If you are dissatisfied with any DEWALT power tool, laser or nailer, for any reason, simply return it to the point of purchase with your sales receipt within 30 days for a replacement unit or a full refund.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1800-654-155 for a free replacement.