**TECHNICAL SPECIFICATIONS**

- **MOTOR TYPE/RATED VOLTAGE**
- **TORQUE SETTINGS**
- **CHUCK CAPACITY**
- **PRODUCT CODE**

**GUARANTEE**

This product is sold in several configurations. The images and instructions safe and provide them to all users.

**WARNING SYMBOLS**

- BEWARE OF ON-BEING ROTATING PARTS
- KEEP DRY
- USE PROPERLY FITTED HANDLES
- DRESS PROPERLY
- PULL OPENERS
-押し目
- KEEP HANDS AWAY
- OVERHEATING
- OTHERS
- Prevent unintentional starting. Ensure the switch is in the off-position before plugging in
- Use personal protective equipment. Always wear eye protection.
- A wrench or a key left attached to a rotating part of the power tool may

**IMPORTANT SAFETY NOTES**

For AC tools and appliances; check that input voltages on the power supply are similar to the power tool.

- **WARNING!**
- **BE AWARE OF**
- **FLYING DEBRIS**
- **RESPIRATION**
- **HEARING**, **INSTRUCTIONS**
- **READ**
- **HAZARD**
- **GENERAL**

1) **Work area safety**

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not use power tools in damp or wet locations.
- Keep children and bystanders away while operating a power tool.
- Avoid body contact with earthed or grounded surfaces, such as pipes, toilets, or faucets.

2) **Electrical safety**

- Do not abuse the cord. Never use the cord for carrying, pulling or anchoring the power tool.
- Do not pull or carry the cord with the power tool. Keep cord away from heat, oil, sharp edges or moving parts. 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.

3) **Personal safety**

- Do not reach underneath the workpiece. Keep your hands away from the flutes or jogging parts of the power tool.
- Maintain proper working techniques. Do not overreach. Keep proper footing and balance at all times.
- Use an extension cord which is heavy enough to support the current the power tool will draw. An undersized cord will cause a power drop, resulting in loss of power and overheating of the motor.

4) **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.

5) **Service**

- Disconnect the plug from the power source and/or the battery pack before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 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.

- **Equipment Service**

- If the equipment is damaged, use replacement parts specified by the manufacturer.
- The equipment should be serviced only by qualified service personnel. Service or maintenance performed by unqualified personnel is hazardous and is not covered under the warranty.
**OPERATING TIPS**

**CHOOSE THE CORRECT TOOL**

If your POWERhandle is different please refer to the relevant instructions for that model.

**NOTE!**

- When drilling in concrete, bricks and masonry when the hammer function is enabled.
- For drilling in wood, metal, ceramics and plastic. It is also used for driving screws.
- With an appropriate attachment fitted in the chuck this tool is intended for driving push-fit connectors.

**POWERhandle out of the tool from the rear.**

Remove any debris from the area that joins the POWERhandle to case. Damage to contacts or mechanical controls could occur if debris is allowed to get into the tool.

**FITTING A POWERhandle**

**FITTING/REMOVING A BIT**

- **INTENDED USE**
  - **FITTING** - Use the chuck to hold the drill bit. The chuck is tightened with a round key.
  - **REMOVING** - Loosen and re-fit.

- **Twist the Torque Control Collar** so the required setting is aligned with the groove.

- **WARNING!**
  - Always use the locked position when fitting or adjusting a bit or when changing the speed.
  - The lock position will brake will engage and avoid jammed bit.

- **When drilling** always use the clockwise direction except to free a jammed bit.

- **Types of drill bit:**
  - There are 3 main types of drill bit:
    - Metal (HSS)
    - Twist
    - Wood (Tungsten Carbide)

- **When using a small pilot hole before using a large drill bit is faster.**

- **Metal (HSS):**
  - Use the lowest torque setting possible to drive in wood screws.
  - Use high speed for small diameter drill bits and driving screws.
  - Use low speed for large diameter drill bits and driving screws.

- **Twist:**
  - Use sufficient pressure to ensure the drill is always cutting material and avoids stripped screw heads.
  - For this type of screw use the driver tip, for this type of screw use the driver tip, for this type of screw use the driver tip, for this type of screw use the driver tip.
  - When doing big jobs that require constant charging of the batteries and allowing the drill to impact with the work piece.
  - When drilling metals you should keep a firm constant pressure that ensures the drill bit is always cutting through the material. If the drill bit is allowed to spin without cutting then heat will build up and harden the surface. Once hardened the material will be very hard to cut and may damage the drill bit. Water or oil continuously applied throughout the drilling process will allow debris to leave the hole and relieve pressure.
  - When drilling start the drill and allow it to run until it is at speed before placing it in the material. Insert the drill tip perpendicular to the surface of the work piece. Apply firm pressure and keep it steady.
  - When using a heat sensitive material or where it is hard to drill through. Support thin metals with a wood backing to prevent damage to the surface, if it is turning without pressure. When you press the bit back into the material a high number will drive a screw deeper.
  - **Phillips™ Posidrive™**
    - Tip, higher torque LOW will be displayed.
    - Use the lowest torque setting possible to drive in wood screws.
    - Use high speed for small diameter drill bits and driving screws.
    - Use low speed for large diameter drill bits and driving screws.
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- **POSIDRIVE™**
  - **Second cross shape** on the Posidrive™ screw head.
  - Ensure enough of the drill/driver bit is held by the jaws, at least 10mm or 25% should be within the jaws.

- **Lock the trigger by selecting the middle position.**

- **Before using the bit briefly activate the drill to ensure the bit is engaged.**

- **Care and Environment**
  - Lithium ion batteries should ideally be stored with 40 to 80% capacity between 10ºC and 20ºC (50ºF and 68ºF).
  - Lithium Ion Batteries should only be charged between 10ºC and 40ºC (50ºF and 104ºF).
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- **WARNING!**
  - When charging batteries please refer to the battery section of the operating instructions.
  - When using the drill please refer to the relevant instructions for that model.
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- **Always charge Li-ion batteries before storage and at least every 3 months to prevent permanent damage.**

- **Maintenance**
  - All electrical parts should be regularly serviced by an approved engineer.
  - Maintenance information on the recycling and disposal of electrical products and accessories.

- **Environment**
  - Always charge Li-ion batteries before storage and at least every 3 months to prevent permanent damage.
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- **WARNING!**
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