

VERSADRIVE®

PATENT PROTECTED

½" Impact Wrench
18v Battery & Charger

V18-900



(Original Instructions)



Congratulations on your purchase of the VersaDrive® V18-900 ½” Impact Wrench.

Through years of experience, constant innovation and development, HMT is committed to provide you with metal cutting tools and products to help you be more productive.

The VersaDrive® V18-900 cordless impact wrench is designed for use tightening and releasing nuts and bolts and for performing hole creation and modification operations using VersaDrive® modular cutting and drilling tools. Do not use the product for any other purpose.

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1 Safety

1.1 General Power Tool Safety Instructions

⚠ WARNING: Before operating your new Impact Wrench, please read all instructions first.

These include the Operators Manual and Warning Labels on the unit itself.

FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS PERSONAL INJURY.

TO REDUCE THE RISK OF INJURY USER MUST READ AND UNDERSTAND ALL INSTRUCTIONS:

With proper use, care and maintenance your model will provide you with years of effective hole-drilling and bolt fastening/unfastening performance.

Symbols



Read the instruction manual



Electrical Risk Warning Symbol



WEEE Directive Symbol – Do not dispose of electrical equipment or battery pack together with household waste. Dispose of electrical equipment and batteries at an approved recycling facility



Product complies with EU legislation and meets EU safety, health & environmental requirements



Product complies with relevant UK legislation

1.2 Impact Wrench Precautions for use

1. Keep work area clean and well lit. Cluttered or dark areas are more prone to accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control
4. Do not force the wrench. Use the correct tool and setting for your application.
5. The proper fastening torque may differ depending on the size of bolt being used – check the required torque before operation and ensure the correct setting is selected on the wrench
6. The required torque may differ for hole drilling or modification operations, check the recommended torque settings in the back of the HMT catalogue using the provided data sheets before starting any hole drilling or modification operations
7. Check impact sockets, anvil and tooling carefully for wear, cracks or damage before use
8. Hold the power tool firmly by the insulated gripping surfaces when performing an operation where contact may be made with hidden wiring.
9. Avoid making contact with a 'Live' wire as this may make exposed metal parts of the power tool 'Live' and could give the operator an electric shock.
10. 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
11. Do not use the product on any materials that present a danger to health (e.g., asbestos).
12. If the product stalls, stop use immediately, determine the cause of the stall and rectify it paying attention to all safety instructions before continuing with operation.
 - a. Possible causes of a stall include:
 - i. The tooling in use is tilted and stuck in the workpiece
 - ii. The tooling in use has broken through the workpiece, possibly lodging in something behind
 - iii. The impact wrench is overloaded
13. Metal Swarf created during drilling, reaming and hole modification operations may cause injury and/or be otherwise harmful to health, ensure suitable protective equipment and clothing is used during operation:
 - a. Always wear safety glasses.
 - b. Use protective clothing, e.g. mask, protective gloves, sturdy non-slip footwear, helmet, and ear defenders.
 - c. Do not wear loose clothing or jewellery that could become caught in moving parts
14. Do not touch moving parts of the wrench during use
15. The impact wrench and attached tooling may become hot during use

 **Warning:** Danger of burns when changing tooling and handling the wrench

16. Take care to avoid electric cables and gas / water pipes during operation.
17. Ensure your workpiece is secure. Unclamped workpieces can cause severe injury and damage.
18. Remove the battery pack before starting any work on the product.
19. Do not dispose of used battery packs in household refuse or by burying them.

20. Do not store the battery pack together with metal objects (risk of short-circuiting).
21. Only use compatible 18V chargers for charging 18V battery packs.
22. Do not use other battery packs.
23. Never break open battery packs or chargers.
24. Keep impact wrench, batteries and chargers dry at all the times and store in dry rooms.
25. Consult battery & battery charger manual for additional safety information.
26. Power tools can produce electromagnetic fields (EMF) that are not harmful to the user. However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool
27. Prevent unintentional starting by removing the battery from the tool when not in use
28. Do not overreach, keep proper footing and balance at all times

 **Warning:** Do not let familiarity with product replace careful adherence to safety practices, misuse or failure to follow safe practices could result in serious injury

2 V18-900 Impact Wrench Specification

Model	V18-900
Anvil / Drive Size	½"
No Load Speed (RPM)	1500 / 2000 / 2500
Impact Modes	3
Impact Torque	400 / 630 / 900Nm 295 / 465 / 665Ft Lb
Impact Rate (IPM)	1600 / 2200 / 2700
Drilling / Fastening Torque	900Nm 665 Ft Lb
Nut Busting Modes	1
Nut Busting Torque	1180Nm 870 Ft Lb
Weight (w/o battery)	1.9kg 4.2Lb
Weight (with battery)	2.5kg 5.5Lb
Width	170mm 6-3/4"
Height (w/o battery)	225mm 9"
Height (with battery)	272mm 10-3/4"
Voltage	18v
Warranty	1yr
Battery Compatibility	HMT v18 & Makita LXT

N.B. Weight will differ depending on attachments and batteries in use

Compatible Batteries

HMT 18v 4.0Ah Battery – (809010-040)

HMT 18v 9.0Ah Battery – (809010-090)

Makita LXT 18v batteries –

BL1820B (2Ah) – BL1830B (3Ah) – BL1840B (4Ah) – BL1850B (5Ah) – BL1860B (6Ah)

 **WARNING:** Only use batteries listed above and their corresponding chargers. The use of any other batteries and chargers may cause injury and/or fire.

3 Noise and Vibration

1. Noise Data: $L_p = 84\text{dB(A)}$ (Under low air pressure)
2. Noise Data = 89.4dB(A) (Under standard air pressure)
3. Vibration Data: $H_a = 2.55\text{m/s}^2$

The actual vibration level during use will depend on the workpiece stability/rigidity and the condition of the cutter used. These factors may increase the vibration experienced by the operator, each individual application of the tool should be assessed for the effect of these application variable factors, before exposure.

4 Operating the VersaDrive® V18-900 Impact Wrench

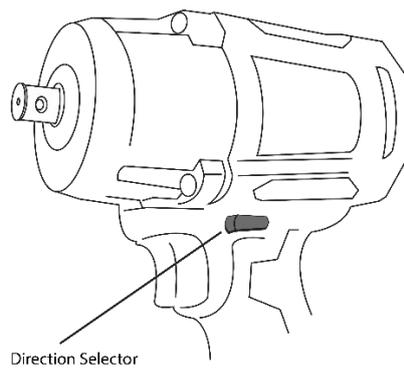
The V18-900 VersaDrive® Impact Wrench features both 'Forward' (bolt tightening or hole drilling) and 'Reverse' (bolt loosening or tap extraction) modes of operation.

This means the anvil can rotate either clockwise or anti-clockwise depending on the setting chosen.

4.1 Direction Selection

To fasten a bolt, drill, enlarge, countersink or tap a hole, select the 'Forward' mode of operation by positioning the direction selector so that it sits proud on the right-hand side of the wrench.

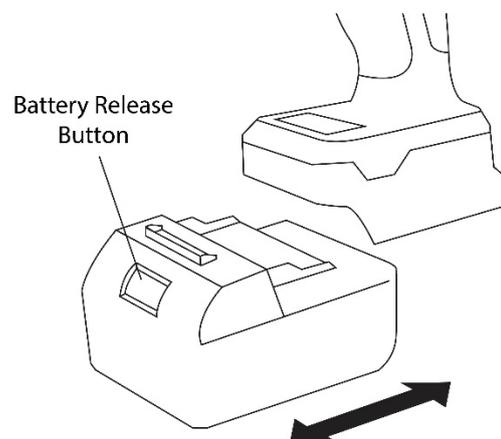
To loosen a bolt or reverse a tap out of a threaded hole, select the 'Reverse' mode of operation by positioning the direction selector so that it sits proud on the left-hand side of the wrench.



4.2 Battery Installation

Before selecting an operating mode the battery must be fitted

To fit the battery slide the battery into the housing at the base of the wrench and ensure the release button clicks into place



4.3 Mode Selection

The V18-900 VersaDrive® Impact Wrench features:

- 3 fastening or drilling/modification modes and
- 1 'Nut Busting' or bolt loosening mode

Ensure you select the correct mode for the application being undertaken

Incorrect torque settings are one of the leading causes of tool damage or breakage

To find the recommended torque settings for use with VersaDrive® cutting and drilling tools please consult the data sheets found at the back of the HMT catalogue

To select the correct torque, use the 'Mode Selector Button' found on top of the battery housing on the bottom of the wrench and cycle through the options until the desired mode is highlighted by a green LED

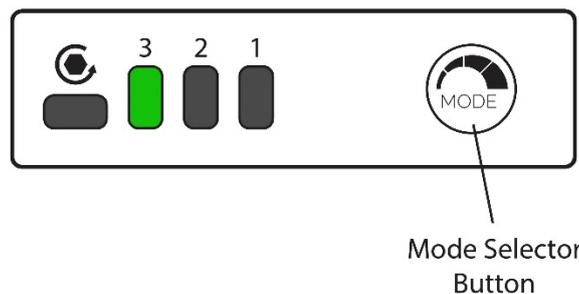
Modes:

1: 400Nm – For Drilling and Fastening

2: 630Nm – For Drilling and Fastening

3: 900Nm – For Drilling and Fastening

 1180Nm Nut Busting - - For Bolt Loosening and Tap Reversing



N.B. Drilling/Fastening torque is affected by a wide variety of factors, including but not limited to those below. The listed torque for each mode is the maximum torque.

If the required torque is at or near one of the listed levels, choose the next setting up to ensure sufficient torque is delivered for the application.

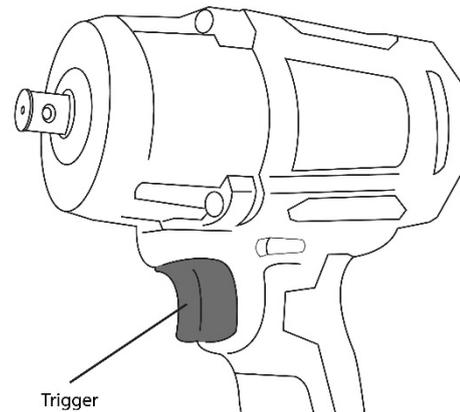
1. Battery charge - When the battery is discharged, the voltage drops and the drilling/fastening torque is reduced.
2. Operation at speeds - Operating the product at low speeds causes a reduction in fastening torques.
3. Position - Holding the product or the driving fastener/drillbit at different angles affects the torque. Optimum torque is achieved with the impact wrench at 90° to the workpiece.
4. Drive accessory or socket - Failure to use the correct size accessory or socket, or a non-impact rated accessory may cause a reduction in the fastening torque.
5. Use of accessories and extensions – Fastening torque can be reduced through the use of some accessories or extensions.
6. Bolt or nut - Fastening torques may differ according to the diameter, class or length of the nut or bolt.
7. Condition of the fastener/drillbit - Contaminated, corroded, dry, or lubricated fasteners/drillbits may alter the drilling/fastening torque.
8. Base material - The base material of the drillbit/fastener and any component in between the surfaces may affect the fastening torque (dry or lubricated base, soft or hard base, disc, seal, or washer between the fastener and base material).

4.4 Operation

To operate the wrench, pull the trigger.

The speed of the tool can be adjusted through the pressure placed on the trigger.

The lighter the pressure, the slower the speed.
The heavier the pressure, the faster the speed.



5 Maintenance

Your HMT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

VISUALLY CHECK THE MACHINE FOR DAMAGE

The machine must be checked before operation for any signs of damage that will affect the operation of the machine.

CLEANING

- Clean all dirt, dust, metal chips and burrs of your magnetic drilling machine
- Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and an approved dust mask
- Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the 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.

OPERATION OF THE MACHINE

The machines' operation must be checked to ensure that all components are working correctly. Replace any defective parts immediately. This prevents properly functioning parts from being damaged.

The ventilation slots of the product must be kept clear at all times.

Should components that have not been described need to be replaced, please contact one of our service agents.

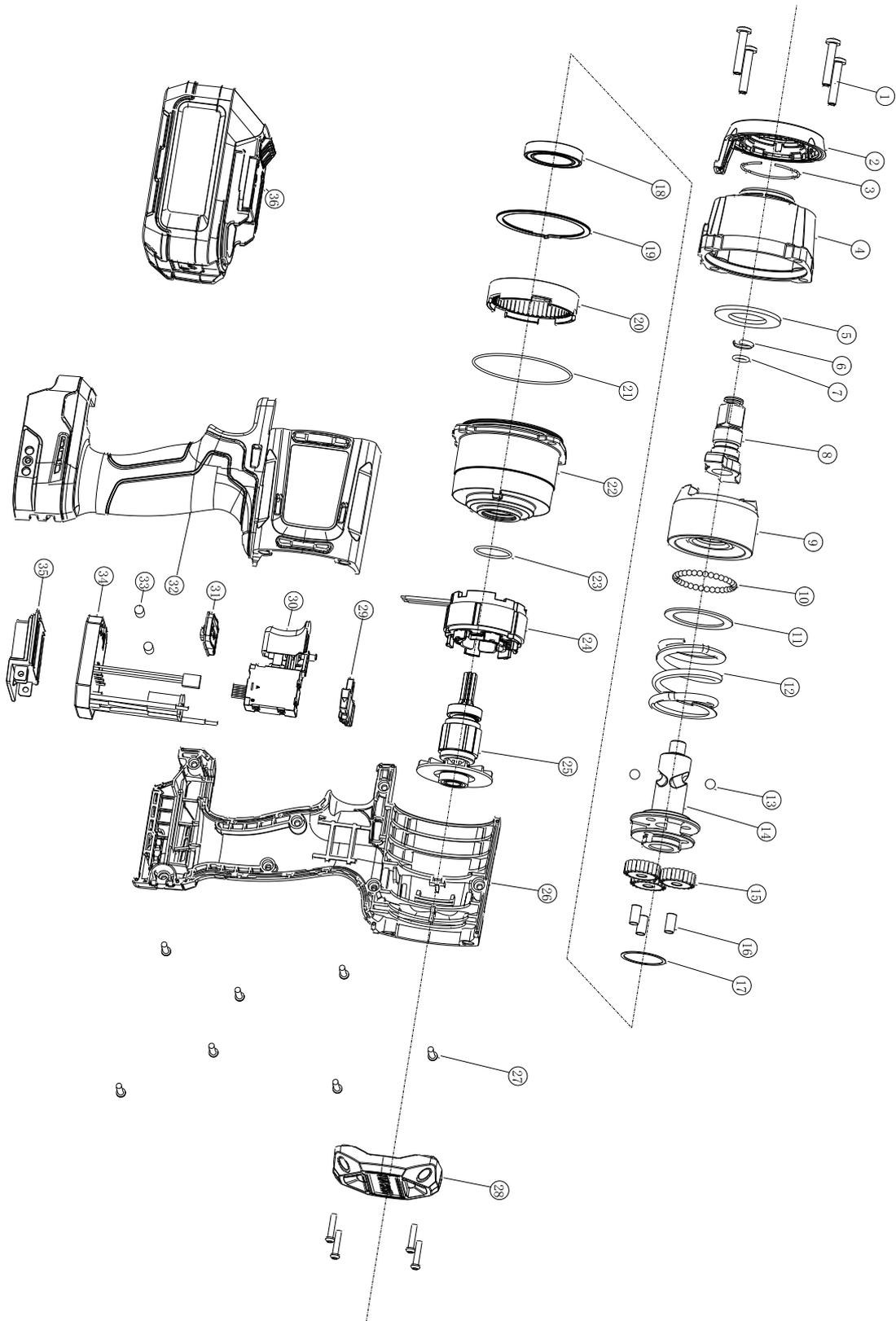
Keep working parts free of rust, debris and other forms of obstruction



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

Consult your dealer for further information on the appropriate accessories.

6 Exploded View & Spare Parts List



Item	Description	HMT Part No.	Quantity
1	Screw ST5x28	808010-0100	4
2	Shadowless Light Assembly	808010-0200	1
3	Retaining Clip	808010-0300	1
4	Front Gear Case	808010-0400	1
5	Anvil Washer	808010-0500	1
6	C-ring	808010-0680	1
7	O-ring		1
8	½" Anvil		1
9	Hammer	808010-0914	1
10	Steel Ball		33
11	Washer		1
12	Spring		1
13	Cam Ball		2
14	Camshaft		1
15	Planet Gear	808010-1500	3
16	Pin	808010-1600	3
17	Washer	808010-1700	1
18	Ball Bearing	808010-1820	1
19	Retaining Ring		1
20	Ring Gear		1
22	Rear Gear Case		1
21	O-Ring	808010-2100	1
23	O-Ring	808010-2300	1
24	Stator Assembly	808010-2425	1
25	Rotor Assembly		1
26	Housing Right	808010-2632	1
32	Housing Left		1
27	Screw ST3.5 x 16	808010-2700	11
28	Back Cap	808010-2800	1
29	F/R Change Lever	808010-2900	1
30	Switch	808010-3000	1
31	Speed Selector Board	808010-3100	1
33	Rubber	808010-3300	2
34	PCBA	808010-3400	1
35	Terminal Block	808010-3500	1
36	Battery Pack		1

7 Battery & Charger

7.1 Remaining Battery Capacity

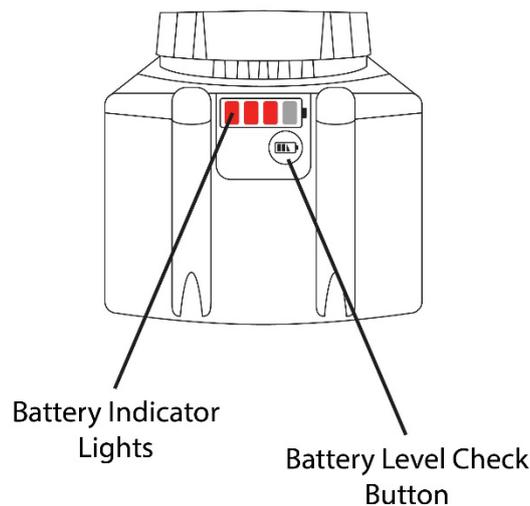
Battery capacity should be checked prior to and during use

As battery capacity drops, the voltage drops and torque is reduced which could compromise your application so a fully charged battery should always be used

To check the battery level, press the level check button on the front face of the battery

Indicator lights above will illuminate to show the remaining charge available

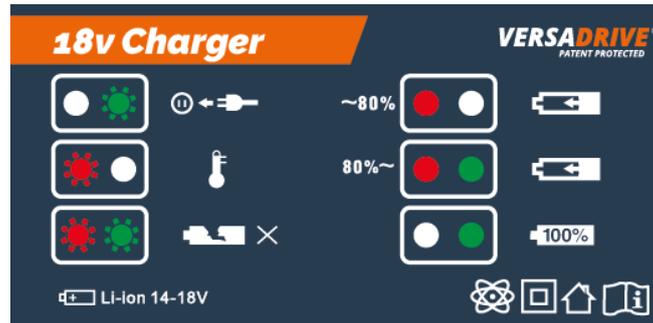
It is recommended to swap batteries or recharge when remaining charge drops below 2 bars to ensure adequate torque is delivered.



7.2 Battery Charging

1. Only use the battery charger indoors.
2. The battery is supplied partially charged. To ensure full battery capacity, completely charge the battery before using it for the first time.
3. The battery can be charged at any time without reducing its service life.
4. Interrupting the charging procedure does not damage the battery.
5. To remove the battery, press the battery release button and pull the battery out of its housing.
6. The battery is equipped with an NTC temperature control which only allows charging within a temperature range of 5°C - 40°C. This helps to achieve a long battery service life.
7. Observe the notes for disposal.

7.3 Battery Charger LED Guide



LED Status	ACTION
Flashing GREEN	Plug in charger
Flashing RED	The Battery is too hot Charging will begin when the battery has cooled
Flashing RED & GREEN	Battery pack or Charger is defective
Sustained RED	Charging & 0-80% charged
Sustained RED & GREEN	Charging & 80-100% charged
Sustained GREEN	Charging complete
Sustained YELLOW	Maintenance charging
Flashing YELLOW	Cooling failure

Approx. Charging time: 85minutes

7.4 18v Battery Precautions for use

1. Charge the battery fully prior to first use.
2. The battery should be charged in an ambient temperature between 10°C - 30°C (50°F - 86°F) and should be used in temperatures between 0°C - 40°C (32°F - 104°F).
3. Temperatures outside of the stated temperature range reduce the performance of the battery
4. Avoid extended exposure to heat or sun
5. Detach the battery when not in use. A small amount of power continues to be used while the battery is attached, this may cause the battery to over-discharge, resulting in a shorter battery life.
6. Store the battery in cool, dry place.
7. Fully charge the battery before putting it in storage and recharge every 3months
8. Batteries that have not been used for some time should be recharged before use
9. Once fully charged, remove the battery from charger. Do not leave the battery on the battery charger for long period of time.
10. If battery duration is extremely short after recharging or it becomes impossible to recharge, it has reached the end of its service life and should be replaced with a new one.
11. Do not use the Battery Pack if the Battery Pack casing is broken or if a Battery Pack emits an unusual odor, smoke, or excessive heat or leaks any substance. Avoid contact with any substance seeping from the Battery Pack.
12. If an exposed lithium-ion battery does start a fire , it may burn even more violently if it comes into contact with water or even the moisture in the air. **DO NOT THROW WATER ON A BURNING LI-ION BATTERY!** A class C fire extinguisher must be used.
13. If battery fluid leaks out and comes into contact with your skin, rinse immediately with plenty of water. If battery fluid leaks out and comes into contact with your eyes, wash them with clean water and seek medical attention immediately
14. **Obey your local regulations relating to disposal of battery**

7.5 Battery Care

1. Do not heat or incinerate this battery.
2. Do not reconstruct, disassemble, deform, or short-circuit the battery.
3. Do not touch the terminals of the battery with metal objects such as jewelry, keys, coins, hairpins, etc.
4. Do not pierce the battery with any sharp objects, strike the battery with a hammer, tools, or heavy objects, step on the battery pack, or otherwise damage the outer casing.
5. Do not drop or submit the battery to strong shocks.
6. Do not leave the battery in direct sunlight, near heating equipment, or high-temperature environments e.g. a car boot on a hot day.
7. Do not get the battery wet or immerse it in water.
8. Do not allow sand, dust, water or other substances to come into contact with the battery's terminals.
9. Do not charge the battery with an unauthorized battery charger.

7.6 Battery Pack Protection

1. In extremely high torque, binding, stalling, and short circuit situations that cause high current draw, the product vibrates for about 2 seconds and then turns off.
2. To reset the product, release the trigger, remove the battery, place it on the charger to charge and reset it.

7.7 Battery Charger Precautions for use

1. Protect the charger from rain and moisture. Water penetration in a battery charger increases the risk of electric shock.
2. Do not charge other batteries. The battery charger is only suitable for charging matched lithium-ion batteries within the listed voltage range. Charging other items risks fire or explosion.
3. Keep the battery charger clean. Contamination may increase the risk of electric shock.
4. Always check the charger, cable and plug before use. If defects are detected, do not use the charger.
5. Never open the charger.
6. The charger should only be repaired by qualified personnel using legitimate spare parts. Damaged chargers, cables and plugs increase the risk of electric shock.
7. Do not use the charger on or near combustible materials. During use the charger can become hot and operation near combustible materials could result in a fire.
8. Only use the charger with power sources within its listed voltage range.
9. Unplug the charger from electrical outlets before attempting maintenance or cleaning to reduce the risk of electric shock.
10. Disconnect the charger from its power supply when not in use. This will reduce risk of electric shock or damage to the charger.
11. Risk of electric shock - Do not touch the un-insulated output connector or un-insulated battery terminal.
12. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given adequate supervision or instruction concerning its use.

7.8 Battery Transportation

1. Lithium-ion batteries are subject to regulations on the transport of dangerous goods.
2. Transport of these batteries has to be done in accordance with local, national, and international provisions and regulations.
3. Batteries can be transported by road without further special requirements.
4. Commercial transport of lithium-ion batteries by third parties is subject to regulations on the transportation of dangerous goods. Transport preparation and transport are exclusively to be carried out by appropriately trained persons, and the process has to be accompanied by corresponding experts.
5. When transporting batteries:
 - a. Ensure that battery contact terminals are protected and insulated to prevent short-circuiting.
 - b. Ensure that the battery pack is secured against movement within the packaging.
 - c. Do not transport batteries that are cracked or leak. Check with the forwarding company for further advice.

8 Application Best Practice Advice

8.1 Bolt Impacting Techniques

1. The longer that a bolt, screw, or nut is impacted, the tighter it will become.
2. To help prevent damaging the fasteners or workpieces, avoid excessive impacting.
3. Be careful when impacting smaller fasteners because they require less impacting to reach optimum torque.
4. Practice with various fasteners, noting the length of time required to reach the desired torque.
5. Check the tightness with a hand-torque wrench.
6. If the fasteners are too tight, reduce the impacting time.
7. If the fasteners are not tight enough, increase the impacting time.
8. Oil, dirt, rust, or other matter on the threads or under the head of the fastener affects the degree of tightness.
9. The torque required to loosen a fastener averages 75% - 80% of the tightening torque, depending on the condition of the contacting surfaces.
10. On light gasket jobs, run each fastener down to a relatively light torque and use a hand torque wrench for final tightening.

8.2 Impact Drilling Best Practice

1. Follow guidelines to set the Impact Wrench to the correct Torque for the tool in use. Using tooling at the incorrect Torque can lead to poor lifespan or tool breakage
2. Apply firm, steady feed pressure throughout the cut, applying the feed very slowly and cautiously during the first 1mm of cut
3. Avoid lateral movement or tilting which can cause damage to the tool
4. Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials
5. Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
6. VersaDrive[®] TurboTips can be used without piloting at all sizes
7. VersaDrive[®] Cobalt Drill Bits up to 10mm diameter can be driven by an Impact Wrench
8. It is not recommended to use Impact drilling for stainless steel workpieces, the high speed at which drillbits operate with impact wrenches can lead to work hardening of the workpiece making the cut increasingly difficult as it progresses and can lead to early tool failure and failed cutting
9. Use appropriate lubrication and correct RPM to achieve long tool life
10. When drilling into box section ensure that the tip of the tool is not contacting the far side of the box section at the same time as drilling the outside wall. This may cause tool breakage

8.3 Impact Tapping Best Practice

1. VersaDrive® ImpactaTaps are recommended for through hole applications only
2. VersaDrive® Spiral Flute taps are primarily recommended for blind hole applications using a clutched adapter to prevent the tap from breaking when it reaches the bottom of the hole
3. VersaDrive® Sheet metal DrillTaps are intended for tapping material no greater than the tap diameter e.g. if the tap diameter = 3mm, the DrillTap should be used on workpieces no thicker than 3mm
4. Pilot drill the exact tapping size hole for best results
5. Select the correct torque for Impact tools using the appropriate guidance tables (See VersaDrive data sheets). If exact match is not available select the closest torque setting above the recommendation
6. Apply firm, steady feed pressure throughout the cut
7. Ensure the Tap is inserted squarely to the hole - poorly aligned or off-centre taps will greatly increase the risk of breakage
8. Regularly apply quality cooling lubricant, especially when drilling thick or hardened materials
9. Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
10. Flame cut/punched holes will require more torque to tap than drilled holes due to heat build up. Caution: Sometimes flame cut holes do not have parallel sides meaning risk of tap breakage
11. Tap the hole in one pass where possible, applying adequate lubrication before you start.
12. If the tap is over-run from the hole once it is tapped, to remove the risk of cross-threading/damage to the tap, remove the tap from the adapter and locate it in the thread by hand, before reversing
13. When using cordless tools, torque may drop once the battery charge becomes low. Keep batteries well charged. Low battery charge can lead to lower torque which can break or damage taps as point 4
14. When re-threading an existing thread, use caution to avoid cross-threading which can lead to tap breakage or thread damage. It is advisable to insert/start the tap into the thread by hand before driving it through at the correct torque

8.4 Impact Reaming Best Practice

1. Apply firm, steady feed pressure throughout the cut, applying feed very slowly & cautiously during the first 1mm of cut
2. Avoid lateral movement or tilting which can cause damage to the tool
3. Do not attempt to increase the existing hole diameter beyond 2-3mm. If a larger, finished hole size is required, use the next size reamer to 'step up' until the finished hole diameter is reached.
4. Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials
5. The reamer should be rotating before starting the cut. Insert the reamer into the hole to be enlarged without contacting the sides, depress impact wrench trigger to begin the reamer

spinning and then continue gently inserting the reamer until it makes contact with the sides of the hole

6. Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage
7. Flame cut, laser cut or punched holes may not be possible to ream with Impact Wrenches. In this situation ream with a slow speed Magnet Drill

8.5 Impact Countersinking Best Practice

1. VersaDrive® Countersinks and Drillsinks can be used with Impact Wrenches where the countersink is up to 16.5mm diameter.
2. Where drilling and countersinking (eg Drillsink), each operation must be performed at the appropriate speed and torque settings for the operation. Please consult the appropriate guidance for each operation and set your impact wrench Torque settings accordingly
3. Apply firm, steady feed pressure throughout the cut
4. Avoid lateral movement or tilting which can cause damage to the tool
5. Ensure regular application of quality cooling lubricant, especially when drilling thick or hardened materials
6. Hardened or heat-affected materials may require higher torque, reduced RPM and feed rates and extra coolant
7. Best countersinking results are achieved using a variable speed drill that allows the correct speed to be set
8. Follow guidelines to set correct RPM speed. Incorrect RPM can lead to poor life or tool breakage

8.6 Impact Bolt Extraction System Best Practice

The VersaDrive® ImpactaBite Bolt Extraction system is designed to remove broken or stuck bolts from workpieces, plant and equipment.

1. Designed for use in left-hand direction (Reverse) only.
2. For best results drilling through hardened bolts and materials, it is recommended to start with a small diameter drill bit and step up to the finished diameter with increasingly larger drill bits
3. Ensure ample application of lubricant (SpeedLube/BioCut Blue) during the drilling process to prevent overheating & work hardening of the fastener.
4. Wherever possible use a scribed or drawn mark to find the exact center of the fastener to be drilled
5. For best results drill all the way through the bolt/stud before inserting the Extractor bit
6. For larger diameter drill bit sizes (#6/#7) or when drilling particularly hard materials, using a rotary or magnetic drill may provide better results than an Impact wrench.

9 Certification

Declaration of CE Conformity



Holemaker Technology Ltd
Bridge House
Pattenden Lane
Marden
Kent
TN12 9QJ

Declares that the following appliance complies with all relevant CE marking Directive requirements:

Product	VersaDrive Impact Wrench
Model	V18-900
Ratings and principal characteristics	18v, 230V~

Relevant Standards

Electromagnetic Compatibility	2014/30/EU
Test Specification	EN IEC 55014-1:2021 EN IEC 55014-2:2021

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