SAFETY GUIDELINES FOR USING IMPACT WRENCH

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⚠ WARNING

1. Before using your impact wrench, make sure you go through the accomp- anying instruction manual from start to finish.

2. Please go thoroughly understand all the specified warnings and requirements placed there in. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

3. Please save all warnings and instructions for future reference.

4. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated(cordless) power tool

OPERATING WITHIN THE GUIDELINES

Do not use the impact wrench for tasks it is not designed for. Your hands should be able to form a strong grip on the tool and maintain control irrespective of the amount of torque applied. This is why you need to check against your instruction manual for the recommended torque and appropriate sockets.

BATTERY TOOL AND USE

1. Charge the battery pack with the charger specified by the manufacturer. A charger that is not suitable for battery pack may create a risk of fire when used.

2. Use power tools only with specifically designated battery packs. Use any other battery packs may create a risk of injury and fire.

3. 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.

4. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

5. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265 F (1309C) may cause explosion.

6. Follow all charging instructions and do not charge the battery pack outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

7. To reduce the risk of personal injury and damage, never immerse your tool,battery pack or charger in liquid or allow a liquid to flow inside them.

8. 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.

BATTERY CAUTIONS

1. Do not impact or damage a battery (e.g., do not use it as a hammer), use it solely for the defined purpose as specified by the manufacturer. Inspect your battery regularly for signs of damage, such as crushing, cuts, or punctures. Do not use a battery that has received a sharp blow, been dropped or is damaged

2. Never modify, disassemble, or tamper with the battery. The performance of damaged or modified batteries can be unpredictable and dangerous. Do not short circuit the battery terminals. Battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not store or transport the battery in a container with loose metal objects, such as coins, keys, or nails, which may contact the terminals.

3. Be mindful of abnormal battery behavior - failure to fully charge or hold a charge, longer than-usual charging times, noticeable drop in perform-ance, unusual LED activity when placed on a charger (with batteries so equipped), liquid leakage from the battery, or melted plastic anywhere on the pack. These are indications of an internal problem.

4. Use and store your battery within the temperature limits stated by the instructions. Do not store in a closed location where sunlight may cause

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elevated temperatures, such as near a window inside a vehicle.

5. As a general practice, it is best to unplug battery chargers and remove battery packs when not in use. Do not store batteries on their chargers.

6. Never burn / incinerate a battery or expose to a heat source - it may explode.

7. Do not immerse the battery or allow any fluids to flow inside. Conductive liquid ingress, such as water, can cause damage resulting in fire or explosion. Store your battery in a cool, dry place, away from combustible and flammable items. Corrosive gas atmospheres must be avoided.

8. If you suspect your battery may have a problem, do not use, ship, or discard as normal trash. Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations. Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from short circuit.

PERSONAL SAFETY

1. 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.

2. Wear personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack or picking up or carrying the tool. Remove the battery pack at any time when not use the impact wrench

4. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

5. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

6. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

FUNCTIONAL DESCRIPTION



SPEZIFIKATIONEN

Attributes	Value
Drive Size	1/2"
Brushed/Brushless Motor	Brushless
Maximum Torque - Releasing	900 N.m
Corded/Cordless	Cordless
Speed	2700 rpm
Battery Capacity	4.0 Ah
Number of batteries included	2 Pack
Net Weight	1.1kg (Tool Only)

INSTALLING OR REMOVING BATTERY PACK

INSERTING THE BATTERY

To insert the battery, slide the battery into the body of the tool, making sure that it clicks securely into place.







REMOVING THE BATTERY

To remove the battery, press the release button and pull the battery pack away from the tool.







INSTALLING OR REMOVING BATTERY PACK

⚠ WARNING

1. Recharge only with the charger specified for the battery. For specific charging instructions,read the operator's manual supplied with your charger and battery.

2. Before installing the battery cartridge into the tool, please check that the machine's "Forward-Stop-Reverse' button is in the centre position, it indicates that the machine is locked.

3. Hold the tool and the battery pack firmly when installing or removing battery pack. Failure to hold the tool and the battery pack firmly may cause them to slip off your hands and result in damage to the tool and battery pack and a personal injury.

ATTACHING AND REMOVING SOCKET

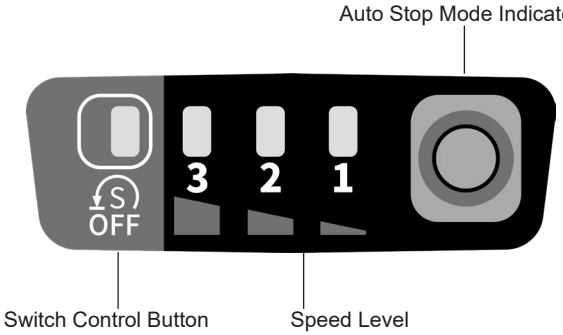


Align the 1/2" square of the impact socket with the square drive and push the impact socket onto the square drive until it locks into place. Tap it lightly if required. To remove the impact socket, simply pull it off

OPERATION

⚠ CAUTION

Please remove the battery pack before performing, maintenance, changing accessories, storing the tool and any time the tool is not in use.



USING THE SWITCH CONTROL

The control switch may be set to three positions: forward, reverse and lock.

1. For forwarding (clockwise) rotation, push the control switch in the direction shown. Check the direction of rotation before use.



• High, medium, and low speeds can be set in clockwise mode

No-Load Speed (RPM)	Low (1)	1300
	Medium (2)	2000
	High (3)	2700
Max Torque (Nm)	Low (1)	250
	Medium (2)	450
	High (3)	900

USING THE SWITCH CONTROL

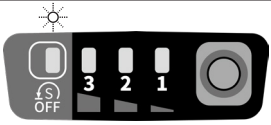
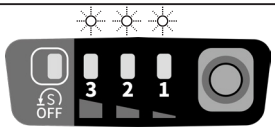
2. For reverse (counterclockwise) rotation, push the control switch in the direction shown.Check the direction of rotation before use.



• Reverse(counterclockwise) rotation mode applied to remove screws!

• Auto Stop Mode and Continuous Mode can be set under counterclockwise mode by pressing the switch to change!

• Auto-stop indicator lights up automatically in counterclockwise mode.

For reverse (counterclockwise) rotation	Indicator	Screw stops or falls off (Application)
Auto Stop Mode		
Continuous Mode		

USING THE SWITCH CONTROL

3. To lock the trigger, push the control switch to the center position. The trigger will not work when the control switch is in the locked position.



STARTING, STOPPING AND CONTROLLING SPEED

⚠WARNING

The vibration speed during actual use of the power tool can differ from the declared speed value depending on the ways in which the tool is used.



1. To start the tool, grasp the handle(s) firmly and pull the trigger.
   NOTE: An LED is turned on when the trigger is pulled and will go off shortly after the trigger is released.

2. To vary the speed, increase or decrease the pressure on the trigger. The further the trigger is pulled, the greater the speed.

3. To stop the tool, release the trigger. Ensure the tool has come to a complete top before laying the tool down.

IMPACTING TECHNIQUES

1. The longer a bolt, screw, or nut is impacted, the tighter it will become.To help prevent damaging the fasteners or work pieces,avoid excessive impact. Be particularly careful when impacting smaller fasteners because they require less impact to reach optimum torque.

2. Practice with various fasteners, noting the length of time required to reach the desired torque. Check the tightness with a hand-torque wrench. If the fasteners are too tight, reduce the impacting time. If they are not tight enough, increase the impacting time.

3. Oil, dirt, rust,or other matter on the threads or under the head of the fastener affects the degree of tightness.

4. The torque required to loosen a fastener average 75% to 80% of the tightening torque, depending on the condition of the contacting surfaces.

5. On light gasket jobs, run each fastener down to a relatively light torque and use a hand torque wrench for final tightening.

MAINTAIN POWER TOOLS AND ACCESSORIES

To prevent walking in on an an accident, you should ideally examine the impact wrench and its accessories. Look for symptoms of breakage, cracking and damage. If you find signs of damage, make sure a trained professional repairs them, or replace the tool entirely. Working with damaged tools can expose you to dangers and cause a serious accident that a little foresight could have prevented.

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CLEANING

1. Clean dust and debris from charger and tool vents.-Keep tool handles clean, dry and free of oil or grease.

2. Use only mild soap and a damp cloth to clean the tool, battery pack and charger since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline,turpentine,lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia.

3. Never use flammable or combustible solvents around tools.

WORK AREA SAFETY

1. Keep the 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 that may ignite dust or fumes.

2. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

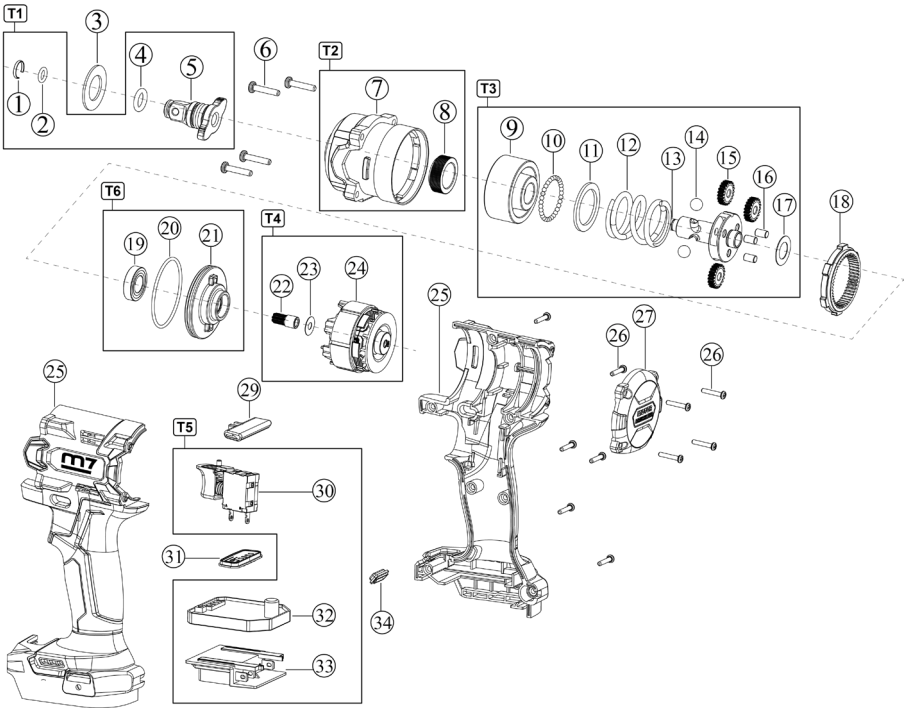
STORAGE THE POWER TOOL IN SAFETY PLACE

Store 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.

SUPPLIER

Mighty Seven International Co., Ltd.
No. 70-25, Qingguang RD., Wujih Dist., Taichung City, 41466 Taiwan.
http://www.mighty-seven.com

Cordless Impact Wrench
Item No : DW - IW400



Part List DW-IW400

	NO.	INDEX NO.	DESCRIPTION	Q'TY
	T1	DW-IW400T1	IW400 Output shaft assembly (1,2,4,5)	1SET
	T2	DW-IW400T2	IW400 aluminum housing assembly (7,8)	1SET
	T3	DW-IW400T3	IW400 impact assembly (9,10,11,12,13,14,15,16,17)	1SET
	T4	DW-IW400T4	IW400 Brushless direct current motor assembly (22,23,24)	1SET
	T5	DW-IW400T5	IW400 Switch and controller assembly (30,32,33,34)	1SET
	T6	DW-IW400T6	Gearbox cover assembly (9,20,21)	1SET
	3	DW-IW400P03	Output shaft washer	1
	6	DW-IW400T06	4.2x25 Self-tapping screw (4 PCS)	1 SET
	18	DW-IW400P18	IW400 Internal gear ring	1
	25	DW-IW400T25	IW400 Left and right machine casings	1 SET
	26	DW-IW400T26	3*15 Self-tapping screw (11 PCS)	1 SET
	27	DW-IW400P27	IW400 Rear end cap	1
	29	DW-IW400P29	W400 Direction change lever	1
	31	DW-IW400P31	IW400 Direction change lever	1