KINCROME

PROFESSIONAL QUALITY TOOLS

# IMPACT WRENCH

400Nm MAX TIGHTENING TORQUE

1/2" SQUARE DRIVE

0-3000 IMPACTS PER MINUTE

640Nm MAX REVERSING TORQUE




**KP201**
**ED2 (Nov 14)**

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PROFESSIONAL QUALITY TOOLS

# IMPACT WRENCH

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## Know your product

**1.** Variable Speed Trigger Switch
**2.** Forward / Reverse Actuator
**3.** LED Worklight
**4.** 1/2" Anvil
**5.** Detent Ball
**6.** Aluminium Gearbox Housing




### SPECIFICATION

| | |
|---|---|
| **Model No:** | KP201 |
| **Voltage:** | 220-240 V ~ 50 Hz |
| **Wattage:** | 450W |
| **Rated speed:** | 0-2600/min |
| **Impacts Per Min:** | 0-3000IPM |
| **Max. Reversing Torque:** | 640Nm |
| **Max. Tightening Torque:** | 400Nm |
| **Drive Type:** | 1/2" Square Drive |
| **Protection class:** | Double Insulated |
| **Net weight:** | 1.52kgs |

## General Safety Warnings

**WARNING! Read all safety warnings and all instructions**.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
**Save all warnings and instructions for future reference.**
The term "power tool" in all of the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

## 1) Work Area Safety

**a) Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**b) 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.

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

## 2) Electrical Safety

**a) Power tool 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 outlets will reduce risk of electric shock.

**b) 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.

**c) Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.

**d) 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 entangled cords increase the risk of electric shock.

**e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor use reduces the risk of electric shock.

f**) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**
Use of an RCD reduces the risk of electric shock.

## 3) 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.**
A moment of inattention while operating power tools may result in serious personal injury.

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

**c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.**
Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

**d) Remove any adjusting key or wrench before turning the power tool on.**
A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

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

**f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.**
Loose clothes, jewellery or long hair can be caught in moving parts.

**g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

## 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 and safer at the rate for which it was designed.

**b) 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.

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

**d) Store idle 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.

**e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

**f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**g) Use the power tool, accessories and tool bits etc., in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## 5) 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.

## B. Electrical Safety

**Safety Warnings for Impact Drivers and Wrenches'**

**a) Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring.**
Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

**b) Wear safety goggles or other eye protection.** Hammering and drilling operations cause chips to fly. Flying particles can cause permanent eye damage.

**c) Bits, sockets and tools get hot during operation.**
Wear gloves when touching them.

**d) Do not operate this tool for long periods of time.**
Vibration caused by an impact wrench may be harmful to your hands and arms. Use gloves to provide extra cushion and limit exposure by taking frequent rest periods.

**WARNING: ALWAYS** use eye protection. Everyday eyeglasses are **NOT** safety glasses. Proper personal hearing protection also use face or dust mask if operations are dusty.

**ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT** which complies to Australian requirements**:**

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

**e) Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities.**
Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

**WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber (CCA).

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

**CAUTION:** When not in use, ensure the tool is switched off and unplugged from the mains power and place the tool on its side on a stable surface where it will not cause a tripping or falling hazard.

The impact wrench's electric motor has been designed for the means of 240V AC only.
Always check that the power supply corresponds to the voltage on the rating plate. 240 V AC means your tool will operate on alternating current.

## C. Extension Cords

**Caution:** Use only extension cords that are approved by the country's electrical authority. Before using extension cords, inspect them for loose or exposed wires, damaged insulation and defective fittings. Replace the cord if necessary.

It is recommended that power cords do not exceed 25m in length. Longer than 25m can result in power drop and damage of your tool.

## D. Description of Symbols

The following symbols are shown on the tool:

| | | | |
|---|---|---|---|
|  | **The impact driver is intended for indoor use only.** | **/IPM** | **Impact rate per minute** |
|  | **Your impact driver is double insulated; therefore no earth wire is required.** | **/min** | **Revolutions per minute** |
|  | Read the instruction manual before use. | **V** | **Voltage** |
|  N3709 | Electromagnetic compliance (C-Tick) | **~** | **Alternating Current** |
|  | **WARNING** | **Hz** | **Hertz** |

## Electric Impact Wrench User Instructions
## KP201 - Impact Driver

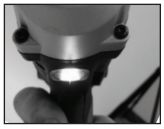
## 1) Before Starting

The KP201 impact wrench is designed for changing wheels, shock absorber replacement, exhaust system work, lawn mower repair, engine work, as well as fastening and removing nuts and bolts. Any other use is deemed to be a case of misuse.
The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

## 2) Operation

**WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect main power before making any adjustments, removing/installing attachments or accessories.

**1. LED Worklight (3)**
The impact wrench has an LED worklight (3) located just above the trigger switch (1). The worklight will automatically illuminate when the trigger switch is squeezed (fig 1).
**Note**: The LED Worklight (3) is for lighting the immediate work surface and is not intended to be used as a torch.


(fig 1)

**2. Forward and Reverse Actuator (2)**
A forward and reverse actuator (2) determines the direction of the impact wrench's rotation, to fasten or remove nuts and bolts.

- **To select forward rotation**, release the trigger switch and push in the forward/reverse actuator (2) on the right side of the impact wrench (fig 2).
- **To select reverse rotation**, release the trigger switch and push in the forward/reverse actuator (2) on the left side of the impact wrench (fig 3).


(fig 2)

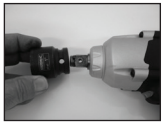
**3. Variable Speed Trigger Switch (1)**
The variable speed switch enables you to select the best speed for a particular application. The more you squeeze the trigger, the faster the tool will operate.
**NOTE:** Continuous use in variable speed range is not recommended. It may damage the switch and should be avoided.

- To turn the impact wrench on, squeeze the variable speed trigger switch (1).
- To turn the tool off, release the variable speed trigger switch (1).


(fig 3)

## 3) Installing / Removing Sockets or Accessories

1. To install a socket on the 1/2" anvil (4), align the hole in the side of the socket with the detent ball (5) on the 1/2" anvil (4).
2. Press the socket on to the 1/2" anvil (4) until the detent ball (5) engages in the hole (fig 4).
   **Note:** Depression of detent ball (5) may be necessary to aid installation of socket.
   **Caution: Use only impact sockets.** Non-impact sockets may break and cause a hazardous condition. Inspect sockets prior to use to ensure that no cracks are evident.
   To remove a socket, depress the detent ball (5) through the hole and pull the socket off (fig 5).
3. Kincrome® impact socket sets - K2180, 13360, 13365, 13359M, 13359AF are available through your local Kincrome® dealer (not supplied in pack)


(fig 4)


(fig 5)

## 4) Maintenance Of The Impact Wrench

**WARNING!** Ensure the tool is disconnected from the power supply before cleaning or maintaining the appliance.



Fig 6



Fig 7

**Changing the brushes**

- When the carbon brushes wear out, the impact wrench could start to excessively spark and/or stop. Discontinue operation as soon as possible. The brushes are required to be replaced prior to recommencing operation.
- Carbon brushes are a wearing component of the impact wrench therefore not covered under Kincrome® warranty.
- Continuing to use the impact wrench with damaged and/or worn carbon brushes may cause premature failure / damage to the impact wrench. Always replace both carbon brushes at the same time.
  **1.** Unscrew the brush cap from the motor housing (Fig 6)
  **2.** Remove the worn/damage brush, and replace with a new set of brushes (fig 7)
  **3.** Refit and tighten the brush cover.

## 5) Cleaning

Regularly 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 approved eye protection.

**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.

## 6) Servicing

**IMPORTANT!** Always ensure that the machine is not connected to the mains supply before you start any servicing work.
Contact your local Kincrome® dealer or service agent for any service requirements.

## 7) Storage

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging

## 8) Spare Parts

For a full list of available spare parts for this item refer to the Kincrome® website www.kincrome.com.au
Type in the part number & click on the documentation tab for a copy of the parts diagram and listing

12 MONTH WARRANTY

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.

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