

POWER TOOLS

AIR TOOLS 440

ELECTRICAL TOOLS 447

POWER TOOLS

AIR TOOLS



WARNING

- Do not use the equipment for purposes other than its original use.
- Do not use with the exceeded capabilities.
- Do not work near highly flammable hazardous materials such as gasoline or gas.
- Use protective goggles when working. Use a dust-proof mask when working in dusty environments. Cutting materials or dust may get into your eyes or nose.
- Attach air hoses (couplers, etc.) securely. If the air hose is disconnected, the hose may jump, which is dangerous.



CAUTION

- Read the instruction manual before use.
- Do not use anything other than compressed air as a power source. Do not use high-pressure gases such as oxygen or propane gas.
- Use only the specified air pressure.
- Use earplugs or other soundproof protective equipment as necessary for noisy work.
- Use sockets and other tip tools for impact wrenches, and disconnect the air hose (coupler) before replacement.
- Do not touch rotating tools or driving parts.
- Check for cracks, abnormal noise before starting work.
- If any abnormality is found during operation, stop using immediately. If necessary, ask for repair.
- When starting work, make sure that the tip tool is firmly attached.
- Make sure that the workpiece is fixed. If the workpiece is not fixed properly, it may fly off and cause injury, which is very dangerous.
- Do not work in an unreasonable posture.
- Do not handle the workpiece roughly, for example, by throwing or dropping it.
- Do not spin the tool idly. Do not use the tool in an idle position.
- Do not use continuous full power for more than 1 minute to prevent abnormal deterioration.
- Lubricate the air coupler with a few drops of oil every day after use.
- Torque control is not possible. If the specified torque is required, work with a torque wrench.
- Be aware that the air ratchet will react at the beginning of loosening and at the end of tightening.
- The maximum torque, no-load speed, no-load air consumption, and other product specifications are based on KTC's standards. These values are not guaranteed in actual operation.
- Do not use the air ratchet as a Ratchet handle when it is operated by air. It will damage the product.

Types of air tools

Typical air-powered tools are impact wrenches and air ratchets. Impact wrenches use the impact force of a hammer to turn the tip of the tool. The continuous hammering can generate a large torque and high rotation speed, contributing to improved work efficiency. The air ratchet is like a larger Ratchet handle, and the rotation of the rotor (air motor) is decelerated by gears and directly transmitted to the tip tool. Compared to impact wrenches, the rotational speed is slower and less power, but it is lightweight, compact, and easy to use.



Impact wrench



Air ratchet

Caution when using air tools

Use a compressor with a capacity that ensures proper air pressure at the hand end of the air tool. Note that the hand pressure may be insufficient due to the length of the air piping, simultaneous use by multiple workers, etc. Also, since moisture and dust in the air and air exceeding the proper air pressure can cause trouble, use a filter, oiler, air dryer, regulator, etc. in combination.

Use sockets and tip tools specially designed for power tools, and be sure to fix the anvil and tip tools securely.

Air tool hose

If the compressor has sufficient capacity but not enough power, the air hose used may be too thin. Air tools use vanes to receive compressed air from a compressor to rotate a rotor, but in order to rotate the rotor strongly and quickly, a large amount of air must be supplied all at once. However, if the hose is too thin, sufficient air cannot be supplied, and the original power cannot be demonstrated. KTC's air tools have a recommended air hose inner diameter, so please use an appropriate air hose.

Maintenance of Air Tools

Daily oil maintenance will extend the life of the air tool. After finishing work, disconnect the tip tool such as a socket from the air hose and inject a few drops of air tool oil through the air coupler. After that, connect the air hose to the air tool and turn it several times to spread the oil inside the air tool. Cover the air exhaust port with a rag to prevent oil from splashing. If you use high-viscosity oil such as engine oil, the movement of the vanes (the blades that catch the air) will deteriorate, so please use oil for air tools. Also, be careful not to over-lubricate the vane with a large amount of oil, as this will cause the grease inside the vane to run off, thereby shortening its life. Air tools that have lost power due to wear of parts or loss of grease over long periods of use can be overhauled to restore power. For repair service, see the After-Sales Service page (➔ P.024).

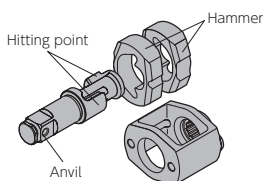


Function Marks



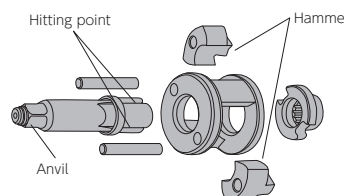
Twin hammers with high power, low react and excellent durability

Since the rotor strikes the anvil twice during one rotation, the anvil can be rotated in a well-balanced and stable striking force can be obtained. Moreover, it has advantages such as excellent durability and less react compared to the output.



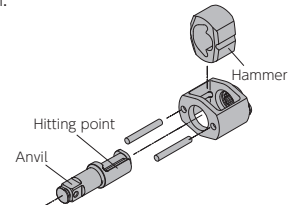
Compact and lightweight, double hammer with low impact vibration

Two hammers strike the anvil as the rotor makes one rotation. This reduces striking vibration and ensures stable operation. It is also gentle to bolts and screws.



Single hammer with excellent cost performance

Single hammer mechanism with the twin hammer mechanism to increase the striking force per blow. The simple structure and small number of parts enable both increased durability and cost reduction.



Inlet

Inlet section rotates to prevent hose kinks.



Throttle

Rotation can be adjusted steplessly by pulling the trigger for smooth tightening and loosening.



One-push switch button

One-push switch button allows changing of rotational direction with one hand.

Product specifications such as maximum torque, etc. are those measured by the standards specified by KTC. These values are not guaranteed in actual operation.

• Function mark is indicated under the product name. For the details, please refer to ➔ P.004-005.
• Products marked with ⚠ should be ordered after checking stock.



3/8"sq. IMPACT WRENCH (COMPOSITE TYPE)

3/8" sq. AMBAC
 MAX Torque 340N·m Practical Torque 280N·m
 Capacity Bolt M13
 1.23Kg
 TWIN
 Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP351	8,000rpm	0.13m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- Low noise and low air consumption for environmental friendliness.
- The hammer case is made of aluminum and the body is made of composite material (specially reinforced resin), achieving lightweight, high strength, and high durability.
- New model of twin hammer with high power and light weight.
- The regulator can be adjusted in 4 steps when rotating to the right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- 360° Siebel inlet to prevent hose kinks.
- One-push switching button for one-handed operation.
- Repair parts are available. Please contact our distributors for details.
- Maximum torque is for left rotation. Torque for right rotation is at least 10% less than for left hand rotation.
- Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

1/2"sq. IMPACT WRENCH

1/2" sq. AMBAC
 MAX Torque 680N·m Practical Torque 450N·m
 Capacity Bolt M16
 2.66Kg
 TWIN
 Repairable

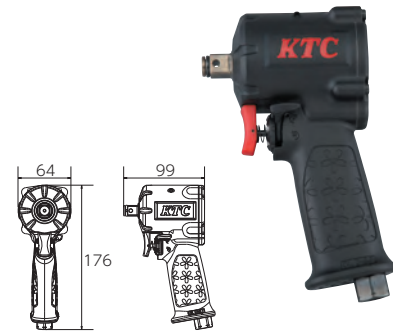


No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP438	0~7,500rpm	0.15m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- Successor model to JAP436.
- High-power and lightweight twin-hammer mechanism is used.
- Aluminum die-cast body.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- The regulator function is adjustable in 3 levels on the right.
- Repair parts are available. Please contact our distributors for details.
- Maximum torque is for left rotation. Torque for right rotation is at least 10% less.
- Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

1/2"sq. IMPACT WRENCH (FLAT NOSE TYPE)

1/2" sq. AMBAC
 MAX Torque 600N·m Practical Torque 400N·m
 Capacity Bolt M16
 1.3Kg
 SINGLE
 Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP418	8,800rpm	0.13m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- A new model with a single hammer that is compact and provides high power.
- Compact design for narrow working environment. The integrated structure of the hammer case and housing shortens the overall length by approximately 11mm compared to our conventional product (JAP417).
- By increasing the size of the hammer, the maximum torque has been increased by approximately 10%.
- The rotation switch lever can be repositioned to the left or right, allowing one-handed operation regardless of whether the user is right- or left-handed.
- The regulator can be adjusted in 3 steps when rotating right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- Maximum torque is for left hand rotation.
- Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

1/2"sq. IMPACT WRENCH (COMPOSITE TYPE)

1/2" sq. AMBAC
 MAX Torque 410N·m Practical Torque 330N·m
 Capacity Bolt M16
 1.3Kg
 TWIN
 Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP451	8,100rpm	0.13m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- New model of twin hammer with high power and light weight.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- The regulator can be adjusted in 4 steps when rotating to the right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- 360° Siebel inlet to prevent hose kinks.
- One-push switching button for one-handed operation.
- Repair parts are available. Please contact our distributors for details.
- Maximum torque is for left rotation. Torque for right rotation is at least 10% less than for left hand rotation.
- Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

• After usage, fill the air tool oil to distribute the oil inside.
 • Do not disassemble or modify the product.
 • Wear protective glasses when working.

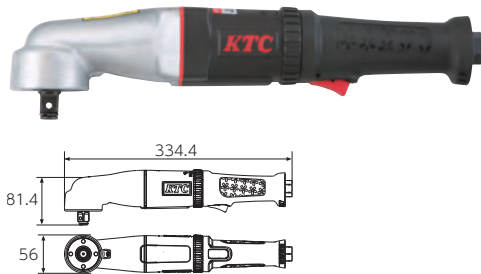
1/2"sq. IMPACT WRENCH (COMPOSITE TYPE)



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP461	6,800rpm	0.14m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- New model of twin hammer with high power and light weight.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- The regulator can be adjusted in 4 steps when rotating to the right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- 360° Siebel inlet to prevent hose kinks.
- One-push switching button for one-handed operation.
- * Repair parts are available. Please contact our distributors for details.
- * Maximum torque is for left rotation. Torque for right rotation is at least 10% less than for left rotation.
- * Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

1/2"sq. RIGHT ANGLE IMPACT WRENCH (COMPOSITE TYPE)



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP491	3,700rpm	0.1 m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- The thin head is ideal for working in narrow spaces.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- Maximum torque of 250 N·m, which cannot be achieved with an air ratchet.
- Ring-shaped forward/reverse rotation switch improves operability.
- The regulator can be adjusted in two steps when rotating right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- 360° Siebel inlet to prevent hose kinks.
- * Repair parts are available. Please contact our distributors for details.
- * Maximum torque is for left rotation.
- * Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

3/4"sq. IMPACT WRENCH (COMPOSITE TYPE)



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP651	5,000rpm	0.16m ³ /min	R3/8(PT3/8)	11mm or more	JAH-110

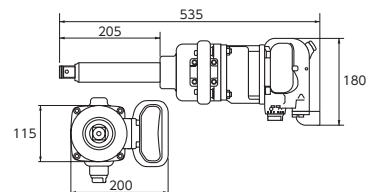
- Accessories: Air coupler (30PM or equivalent), air tool oil 1 each
- New model of twin hammer with high power and light weight.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- The regulator can be adjusted in 4 steps when rotating to the right.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- 360° Siebel inlet to prevent hose kinks.
- One-push switching button for one-handed operation.
- * Repair parts are available. Please contact our distributors for details.
- * Maximum torque is for left rotation. Torque for right rotation is at least 10% less than for left rotation.
- * Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.

1"sq. MEGA IMPACT (LARGE SIZE)



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP885	5,000rpm	2m ³ /min	R1/2(PT1/2)	11mm or more	JAH-110

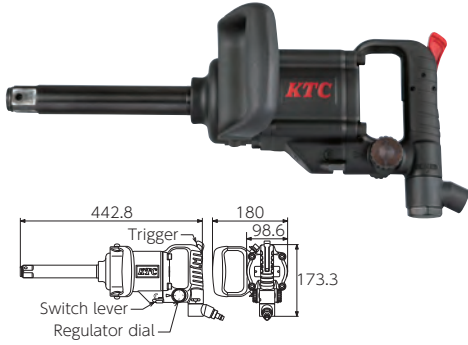
- Accessories: side handle, air coupler (40PM), air tool oil 1 each
- 1-inch impact wrench with the highest power in its class, outputting a maximum torque of 2000 N·m.
- Easy removal and installation of large truck tires.
- * Repair parts are available. Please contact our distributors for details.



• Function mark is indicated under the product name. For the details, please refer to P.004-005.
 • Products marked with should be ordered after checking stock.



1"sq. IMPACT WRENCH (LIGHT WEIGHT)



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP876	0~5,600rpm	0.18m ³ /min	R1/2(PT1/2)	11mm or more	JAH-110

- Accessories: Air coupler (40PM or equivalent), air tool oil 1 each
- Used for tightening and loosening bolts and nuts.
- Successor model to JAP875.
- Adopts a twin hammer mechanism with high power and light weight.
- Aluminum die-cast body.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- The regulator function is adjustable in 4 steps on both right and left sides.
- Side handles can be fixed in any 360° position.
- Air inlet section can be rotated 360°.
- * Repair parts are available. Please contact our distributors for details.

PNEUMATIC DRILL



No.	Drilling capacity	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP110	10mm	1,400rpm~2,000rpm	0.44m ³ /min	NPT1/4"	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil, chuck handle 1 each
- Compact and lightweight mini type.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- The regulator mechanism is infinitely adjustable.
- * Repair parts are available. Please contact our distributors for details.
- * Be sure to tighten the drill chuck evenly in three places.
- * Do not work beyond capacity.

PNEUMATIC POLISHER



No.	Pad screw diameter	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP120	M6	2,000rpm	0.42m ³ /min	NPT1/4"	8mm or more	JAH-080

- Accessories: Air coupler (20PM equivalent), air tool oil, pad (φ75mm), sponge (φ80mm), cloth (φ80mm), dedicated wrench (1 each)
- Compact and lightweight single-action polisher.
- Low speed type for polishers only.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- The regulator mechanism is infinitely adjustable.
- * Repair parts are available. Please contact our distributors for details.
- * Be sure to check the pad installation condition before use.
- * Pads should be installed and removed with the rotation completely stopped.



Spare parts

No.	Description	Weight(g)	⊞
JAP120-D	Pad	33	1
JAP120-E	Sponge	6	1
JAP120-F	Buff	14	1

3/8"sq. IMPACT WRENCH



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP130	10,000 rpm or more	0.3m ³ /min	NPT1/4"	8mm or more	JAH-080

- Accessories: Air coupler (20PM equivalent), air tool oil, air regulator 1 each
- Compact and lightweight mini type.
- Double hammer mechanism with two strokes per rotation is adopted to reduce vibration and be gentle to bolts and nuts.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- Left/right switch lever for one-handed operation.
- * Repair parts are available. Please contact our distributors for details.



Air regulator

- After usage, fill the air tool oil to distribute the oil inside.
- Do not disassemble or modify the product.
- Wear protective glasses when working.

1/4"sq. IMPACT DRIVER

- 1/4" sq.
- MAX Torque 35Nm
- Practical Torque 30Nm
- 0.65Kg
- Capacity Bolt M5
- DOUBLE
- Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP140	10,000 rpm or more	0.31m ³ /min	NPT1/4"	8mm or more	JAH-080

- Accessories: Air coupler (20PM equivalent), air tool oil, air regulator 1 each
- Compact and lightweight mini type.
- Double hammer mechanism with two strokes per rotation is adopted to reduce vibration and be gentle to bolts and nuts.
- Composite material (special reinforced resin) is used for the housing to achieve light weight, high strength, and high durability.
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- One-hand operation of the left/right switch lever is adopted.
- Bits for electric impact driver can be used. P.449 for details.
- * Repair parts are available. Please contact our distributors for details.



STRAIGHT GRINDER (SLOW SPEED TYPE)

- 0.44Kg
- Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP510	5,000rpm	0.38m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

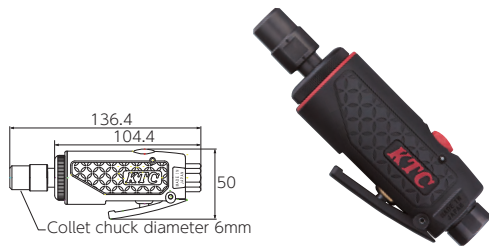
- Accessories: Air coupler (20PM or equivalent), air tool oil (1 each), dedicated wrench (2 each)
- Polishing, rust removal, paint removal, sticker/glue removal, etc.
- Polishing work using polishing discs, brushes, and other cutting-edge tools.
- Lightweight and compact body size with full composite housing. (440g)
- The regulator mechanism is infinitely adjustable.
- The teasing throttle allows the rotation of the throttle to be adjusted by the grip of the throttle lever.
- The reduction gear emphasizes high torque at low rotations. Generates approximately 5 times the rotational torque of JAP520 (high speed type).



- The appropriate tip tools for JAP510 (low speed type) and JAP520 (high speed type) are different, so the locations where they are used are also different.
- Tip tool is not included.

STRAIGHT GRINDER (HIGH SPEED TYPE)

- 0.32Kg
- Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAP520	25,000rpm	0.38m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil (1 each), dedicated wrench (2 each)
- Deburring, parts machining and correction, metalwork polishing, etc.
- Cutting work using whetstone, carbide bars, and other tip tools.
- Adopts a full composite housing to achieve a lightweight and compact body size. (320g)
- The regulator mechanism is infinitely adjustable.
- The teasing throttle allows the rotation of the throttle to be adjusted by the grip of the throttle lever.
- The rotation of the motor is directly converted to shaft rotation to achieve high-speed rotation.



- The appropriate tip tools for JAP510 (low speed type) and JAP520 (high speed type) are different, so the locations where they are used are also different.
- Tip tool is not included.

3/8"sq. AIR RATCHET (IMPACT TYPE)

- 3/8" sq.
- MAX Torque 68Nm
- Practical Torque 56Nm
- 0.65Kg
- Capacity Bolt M10
- TWIN
- Repairable



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAR341	0~500	0.07m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- Used for tightening and loosening bolts and nuts.
- Impact type air ratchet with twin hammers.
- Impact mechanism eliminates kickback (recoil) and is ideal for work in narrow spaces.
- High-power and lightweight twin-hammer mechanism is used.
- Aluminum die-cast body with special resin cover.
- The teasing throttle allows the rotation of the throttle to be adjusted by the grip of the throttle lever.
- Both left and right sides are equipped with stepless regulators.
- * If a large amount of force is required, such as when starting to loosen, do not hold the throttle lever, but instead use it as a ratchet handle. (If you operate the ratchet while it is in operation, the ratchet part may be damaged.)
- * Repair parts are available. Please contact our distributors for details.

3/8"sq. MINI-RATCHET (COMPOSITE TYPE)

- 3/8" sq.
- MAX Torque 40Nm
- Practical Torque 35Nm
- 0.5Kg
- Capacity Bolt M10
- Repairable



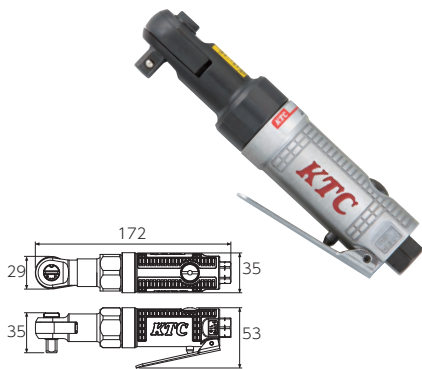
No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAR331	250rpm	0.32m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- Used for fast turning of bolts and nuts.
- The body is made of full composite housing to reduce weight.
- Short overall length and compact size for easy holding.
- High power with 35 N-m of practical torque (40 N-m of maximum torque at left rotation).
- Equipped with a regulator mechanism that allows fine adjustment of rotation speed.
- Fine adjustment of rotation is possible by gripping the throttle lever.
- Twin endurance mechanism improves the durability of the ratchet part (more than twice that of our conventional product).
- * If a large amount of force is required, such as when starting to loosen, do not hold the throttle lever, but instead use it as a ratchet handle. (If you operate the ratchet while it is in operation, the ratchet part may be damaged.)
- * Repair parts are available. Please contact our distributors for details.

• Function mark is indicated under the product name. For the details, please refer to P.004-005.
 • Products marked with should be ordered after checking stock.



3/8"sq. MINI-RATCHET



No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of air hose used	Recommended hose part number
JAR353	220rpm	0.09m ³ /min	R1/4(PT1/4)	8mm or more	JAH-080

- Material: Housing: Aluminum
- Accessories: Air coupler (20PM or equivalent), air tool oil 1 each
- Lightweight, compact standard air ratchet.
- The overall length has been shortened by approximately 15mm compared to our conventional product (JAR352), and a weight reduction of 60g has been achieved.
- Teasing throttle with adjustable rpm by gripping the throttle lever.
- Safety design that prevents your hand from getting caught in the throttle lever.
- Easy switching between forward and reverse rotation directions.
- * Maximum torque is for left rotation. Torque for right rotation is at least 10% less than for left rotation.
- * Output cannot be adjusted by the regulator for left rotation. Adjustment by trigger pull is possible.
- * If a large amount of force is required, such as when starting to loosen, do not hold the throttle lever, but instead use it as a ratchet handle. (If you operate the ratchet while it is in operation, the ratchet part may be damaged.)
- * Repair parts are available. Please contact our distributors for details.

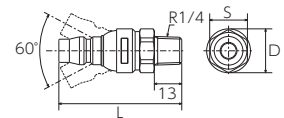
SWIVEL AIR CONNECTOR



No.	Screw Size	L	D	S	Weight(g)
JYP-2F	R1/4(PT1/4)	58	19.5	19	50

- The plug at the tip tilts smoothly 30° in all directions.
- Improves hose followability during work, reducing wrist fatigue and strain on arms and shoulders.

Body Material	Steel + Resin
Max. working pressure	1.0MPa
Capacity to resist pressure	2.0MPa
Seal Material	Nitrile rubber
Operating temperature range	-20°C~60°C



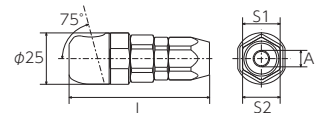
BALL VALVE AIR COUPLER



No.	Hose size	KTC hose application No.	L	A	S1	S2	Weight (g)	⊖
JYDC-1	I.D. 8.5×O.D. 12.5	JAH-080	68	6.5	19	19	134	5
JYDC-2	I.D. 11 ×O.D. 16	JAH-110	73	9.5	23	23	158	5

- Air tools can be attached and detached safely and easily because air pressure can be released.
- Prevents loss of air tool performance because it does not reduce air flow compared to standard couplers.
- Two items with different applicable hose sizes are lined up to match various hoses.

Body Material	Steel
Max. working pressure	1.5MPa
Capacity to resist pressure	2.0MPa
Seal Material	Nitrile rubber
Operating temperature range	-20°C~60°C



AIR HOSE



No.	Inside diameter	Outer diameter	Over-all length	Hose color	Material	Hose plug I.D.×Total Length	Hose socket I.D.×Total Length	Weight (kg)
JAH-065	φ 6.5	φ 10	10m	Red	Polyurethane	φ 10.1×43.5	φ 10.1×53.4	0.7
JAH-080	φ 8.0	φ 12	10m	Blue	Polyurethane	φ 12.5×46	φ 12.5×55.9	0.9
JAH-110	φ 11	φ 16	10m	Orange	Polyurethane	φ 16.5×52	φ 16.5×61	1.5

- Hoses are color coded by size.

AIR TOOL OIL



No.	Internal capacity	Bottle size	Weight(g)	⊖
YCO-280	280ml	φ 50×H220	290	1

- This oil is specially designed for air tools.
- Suitable for high-rotation air tools.

- After usage, fill the air tool oil to distribute the oil inside.
- Do not disassemble or modify the product.
- Wear protective glasses when working.

POWER TOOLS

ELECTRICAL TOOLS



- Do not modify or use the equipment for purposes other than its intended use.
- Do not use the power tool in a way that is beyond the capabilities of the model.
- Do not touch the power plug or battery pack of the power tool or charger with wet hands. Do not touch the power plug or battery pack of the power tool or charger with wet hands, as this may cause an electric shock.
- Do not use or charge power tools in the presence of flammable gas or liquid. Doing so may cause explosion or fire. Check the surrounding area thoroughly.
- Use protective goggles when working. Also, use a dust mask when working in dusty environments. Cutting or dust may get into your eyes or nose.
- Do not subject the battery pack to impact, disassembly, or modification.
- The battery charger has a set of compatible batteries. Do not charge incompatible batteries. Doing so may cause damage or injury.
- Do not throw the main unit or battery pack into a fire. Doing so may cause the battery pack to explode or generate toxic substances.



- Read the instruction manual before using the product.
- The charger for this product should be used with a 100 V household power supply.
- When not in use, disconnect the power plug and store the product in a well-ventilated place.
- Charge the battery pack in a well-ventilated place.
- Use earplugs or other soundproof protective equipment as necessary for noisy work.
- Always inspect the product before use to make sure that there are no cracks or damages in any parts and that the product operates normally. Do not use the equipment if it cannot be started or stopped by the switch (trigger).
- Do not use a battery pack whose operating time is extremely short even after recharging.
- When inspecting, storing, or replacing sockets and other cutting tools, remove the battery pack before doing so.
- Make sure the switch is turned off before inserting the battery pack.
- When charging the battery pack, use only a charger that is compatible with the battery pack.
- Make sure that the object to be worked on is fixed. If the workpiece is not fixed properly, it may fly off and cause injury, which is very dangerous.
- Do not carry the charger by its power cord or pull on the power cord to unplug it from the power outlet.
- Keep the power cord away from heat, oil, and sharp edges.
- Do not use the charger in a place where the power cord will not be subjected to excessive force from being stepped on or tripped over.
- Check the power cord of the charger regularly and stop using it immediately if it is damaged.
- Always keep the grips of electric tools dry and clean. Use of tools with oil or grease on them is dangerous and may cause injury.
- Do not allow foreign objects to enter the main body of the electric tool, charger, or battery pack. Foreign objects may cause heat generation, ignition, or rupture, which is dangerous.
- Do not disassemble, repair, or modify the electric tool, battery charger, or battery pack.
- If the tool becomes hot or you notice anything unusual, stop using it. If the tool becomes hot or you notice any abnormality, stop using it and contact the dealer where you purchased it for inspection and repair.
- When using the electric tool, do not wear cloth gloves or other items that may get caught in the tool. It is dangerous to get caught in the rotating tip of the tool, which could result in injury. Also, please be sure to wear appropriate clothing when working with the tool.
- Do not touch the air coming from the main body of the electric tool. Hot air may cause burns.
- Do not allow the tool to spin idly. Doing so may cause the tip of the tool to fly off, resulting in an accident.
- This product is not torque-controlled. Use a torque wrench when the specified torque is required.
- The maximum torque, no-load speed, and other product specifications are those measured by KTC's standards. These values are not guaranteed in actual operation.
- The lithium-ion battery used in this product is a valuable recyclable resource. Please do not dispose of used battery packs, but take them to a recycling agent. Please attach insulation tape to the terminals of the battery pack to prevent short-circuit.
- Please contact the dealer where you purchased the product for repair. Repairing by a person who does not have the knowledge and skills to perform the repair may be dangerous and cause accidents or injuries.

Caution when using electric tools

Avoid excessive continuous use, loosening bolts and nuts that have been tightened with more force than the product can handle, and other operations that place a heavy load on the motor, which may cause problems such as seizure of the switch or motor. Daily oil maintenance like air tools is not required. Electric tools that use carbon brushes should be replaced when the carbon brushes become worn because they will not rotate when worn. Carbon brushes are available as spare parts and can be replaced by the customer. It is not abnormal for sparks to be emitted near the carbon brush during rotation.

About Battery Packs and Charging

- Charging should be performed in a place where the temperature is between 0 and 50°C .
- If the temperature of the battery pack is below 0°C or there is a large temperature difference from the environment where the charger is placed, there is a possibility that the battery pack will not be charged sufficiently. In such cases, leave the battery pack in the environment where the charger is placed (for at least 1 hour) before charging.
- When charging two or more battery packs consecutively, let the charger rest for at least 30 minutes until it cools down.
- The battery in this product is a lithium-ion battery. After use, store the battery pack with at least half of the battery charge in the battery charger.
- When the battery pack is not in use, store it in a dust-free place so as not to short-circuit the terminals.
- When storing the battery pack for a long period of time, do not fully charge the battery pack.
- Battery packs are consumables. Even if they are not used, their performance will deteriorate over time. When a fully charged battery pack can only perform about half the work of a fully charged battery pack, the battery pack has reached the end of its useful life.

Function mark



Lithium-ion battery
Compact, lightweight, long-life, fast, and refillable batteries.



LED Lights
The work object can be illuminated, improving workability in dark or confined spaces.



Throttle
Rotation can be adjusted steplessly by pulling the trigger for smooth tightening and loosening.

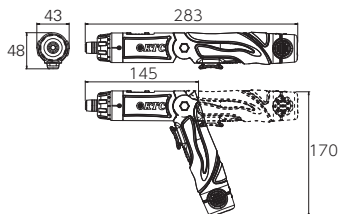
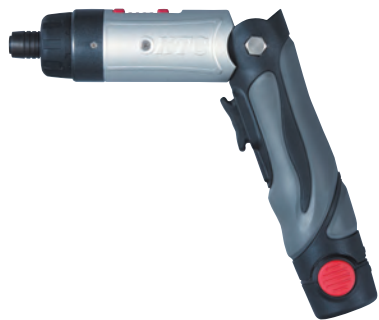


Brake mechanism
A safety mechanism that brakes the rotation to a stop as soon as the trigger is released.



Torque Limit Mechanism
A mechanism that suppresses torque at full power to prevent over-tightening of bolts, nuts, etc.

CORDLESS DRILL SET



No.	Torque	No-load RPM		Torque range	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(Max/N·m)	(HIGH/rpm)	(LOW/rpm)						
JTAE121	3.9	0~450	0~220	15 steps + drill mode	3.6V/1.5Ah	283	48	43	1.8

[Set contents] Main unit (JAE121)×1, Battery pack (JBE3615A)×1, Battery charger (JHE036A)×1, Power cord×1, Double-headed No.2 bit×2, Dedicated plastic case (W301×D294×H91)×1

Applications · Electrical and housing construction, manufacturing assembly parts, equipment maintenance, etc.

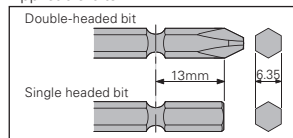
Application · Small screws: up to M5, wood screws: up to φ4.1, drilling: up to φ3

- Feature
- Approx. 500 M3×12mm wood screws tightened per charge (continuous use at high speed)
 - The 15-step clutch mechanism + drill mode can be set according to the work purpose and screw size, reducing mistakes such as damaging the screw head or over-tightening.
 - When the clutch is activated, the power is automatically shut off, preventing wasted battery power.
 - Hand-tightening operation can be performed with the switch off, allowing final confirmation tightening by hand feeling.
 - The rotation speed can be switched between HIGH and LOW to suit the work.
 - Lightweight, compact, portable, and effective for work in confined spaces.
 - Application of 1/4" bit is the same specification as JTAE115A (see the lower left figure).



- Do not use for tightening screws for aluminum sash installation.
- The included bits are consumables.
- Batteries and chargers are not eligible for repair.

Applicable bits



1/4"sq. cordless drill (main unit)

No.	□	
JAE121	1	

* This is the main body only. Batteries, chargers, and plastic cases are not included.



JBE3620A



JHE036A

Spare parts

No.	□	
JBE3620A	Battery pack	1
JHE036A	Lithium-ion dedicated charger	1

* Batteries and chargers are not eligible for repair.

- Wear protective glasses when working.
- Do not disassemble or modify the product.

1/4"sq. CORDLESS IMPACT SCREWDRIVER SET

1/4"
6.35

LED

Practical Torque
110N·m

1.1kg
Main body+Battery

14.4V
Li-ion

Repair
Spare parts

Repairable

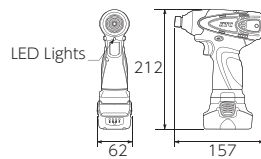
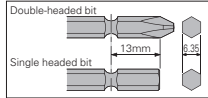


Use bits with the specifications below for cordless impact drivers.

Attached bits (4 pcs.)



Applicable bits



No.	Torque (Practical/N·m)	No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
JTAE115A	110 (At 20° C and fully charged)	0~2,500	14.4V/2.0Ah	157	212	62	1.1

[Set contents] Main body (JAE101)×1, battery (JBE14420G)×2,

Battery charger (JHE180G)×1, Power cord×1, No.2 cross bit×4,

Dedicated plastic case (W350×D285×H90)×1,

* The practical torque values are for reference only. Values will vary depending on the environment in which the product is used.

• Compact and lightweight with a small lithium-ion battery.

• Equipped with LED to illuminate the work target.

• Rapid 40-minute charge. *Charging time varies depending on battery condition and charging environment.

* Battery and charger (JHE180G) are set as spare parts. P.453

* Batteries and chargers are not eligible for repair.



•The included bits are consumables.

•The bit is set as a repair part (open price), so please check with your KTC dealer for prices.

1/4"sq. cordless impact screwdriver set (main unit)

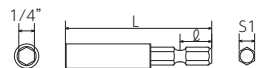
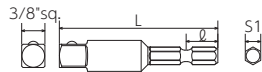
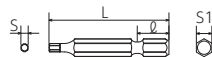
No.	Weight(kg)	⊠
JAE101	0.78	1



* This is the main body only. Batteries, chargers, and resin cases are not included.

BIT FOR IMPACT DRIVER

1/4"
6.35



Cross Bit for Electric Impact Driver

No.	Size	S1	L	Chuck length: ∅	Weight(g)	⊠
JP-1-50	No.1	1/4"	50	13	14	1
JP-1-100	No.1	1/4"	100	13	27	1
JP-2-50	No.2	1/4"	50	13	14	1
JP-2-100	No.2	1/4"	100	13	27	1
JP-3-50	No.3	1/4"	50	13	14	1
JP-3-100	No.3	1/4"	100	13	27	1

• A cross bit with a hexagonal shaft width across flats of 1/4" (6.35mm) that can be used with the cordless impact driver (JTAE115A).

Hexagonal bits for electric impact driver

No.	S	S1	L	Chuck length: ∅	Weight(g)	⊠
JH-3-100	3	1/4"	100	13	27	1
JH-4-50	4	1/4"	50	13	14	1
JH-4-100	4	1/4"	100	13	27	1
JH-5-50	5	1/4"	50	13	14	1
JH-6-50	6	1/4"	50	13	14	1

• A hexagonal bit with a hexagonal shaft width across flats of 1/4" (6.35mm) that can be used with the cordless impact driver (JTAE115A).

Adapter for electric impact driver

No.	Drive size	S1	L	Chuck length: ∅	Weight(g)	⊠
JBA3-65	3/8"sq.	1/4"	65	13	20	1

• A conversion adapter from hexagonal shaft width across flats 1/4" (6.35mm) to drive size 3/8sq. for using a 3/8sq. impact wrench socket with a cordless impact driver (JTAE115A).

Bit holder for electric impact driver

No.	Size	S1	L	Chuck length: ∅	Weight(g)	⊠
JDB2-60	1/4"	1/4"	60	13	38	1

• This is a hexagonal shaft 1/4" (6.35mm) bit holder for use with the cordless impact driver (JTAE115A).

• The bit is a magnetic detachable type.

• Function mark is indicated under the product name. For the details, please refer to P.004-005.

• Products marked with ⚡ should be ordered after checking stock.



CARBON BRUSH SET



CARBON BRUSH SET



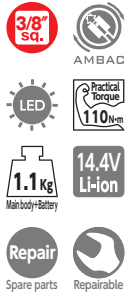
No.	Description	Contents	□
JAE101-B	Replacement carbon brush set	Carbon brush × 2 Carbon brush nut × 2	1

- Includes 2 each of carbon brush and carbon brush nut.
- This is a common part of JTAE115A and JTAE315A.
- * When replacing carbon brushes, replace both left and right brushes at once.

No.	Description	Contents	□
JAE402-B	Replacement carbon brush set	Carbon brush × 2 Carbon brush nut × 2	1

- This is a common part of JTAE472, JAE472, JTAE424, JTAE471 and JAE407.
- * When replacing carbon brushes, replace both left and right brushes at once.
- JTAE472, JAE472, JTAE424, JTAE471, and JAE407 are discontinued products.

3/8"sq. CORDLESS IMPACT WRENCH SET



Includes a battery indicator that shows remaining power at a glance and two batteries for peace of mind.



With special resin case (W350×D285×H90)

No.	Torque (Practical/N·m)	No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
JTAE315A	110 (At 20° C and fully charged)	0~2,500	14.4V/2.0Ah	157	212	62	1.1

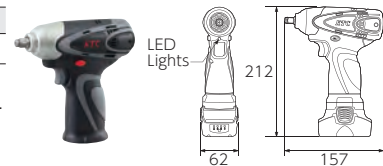
[Set contents] Main body (JAE301) × 1, battery (JBE14420G) × 2, charger (JHE180G) × 1, Power cord × 1, Dedicated plastic case (W350 × D285 × H90) × 1
* The practical torque values are for reference only. Values will vary depending on the environment in which the product is used.

- Compact and lightweight with a small lithium-ion battery.
- Equipped with LED to illuminate the work target.
- Rapid 40-minute charge. *Charging time varies depending on battery condition and charging environment.
- * Batteries and chargers are set as spare parts. P.453
- * Batteries and chargers are not eligible for repair.

3/8"sq. cordless impact wrench (main body)

No.	Weight(kg)	□
JAE301	0.78	1

* This is the main body only. Batteries, chargers, and resin cases are not included.



1/2"sq. CORDLESS TORQUE LIMIT IMPACT WRENCH SET



With special resin case (W400×D326×H121)



JAE411 (main unit)

No.	Torque		Torque limit (right hand rotation/N·m)	No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(Max/N·m)	(Practical/N·m)							
JTAE411A	300	270	75	0~2,300	18V/2.0Ah	177	262	80	4.1

[Set contents] Main unit (JAE411) × 1, battery pack (JBE18020H) × 2, charger (JHE180H) × 1, power cord × 1, dedicated resin case (W400 × D326 × H121) × 1

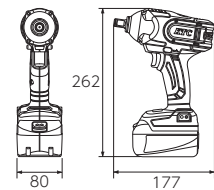
Tightening and loosening of bolts and nuts

- Equipped with torque limit function to prevent over-tightening of wheel nuts. (Forward and right rotation only)
- A teasing throttle is used to adjust the rotation by pulling the trigger.
- A brake mechanism is employed to stop rotation as soon as the trigger is released.
- Equipped with LED to illuminate the work target.
- Newly adopted motor with built-in brushes.
- JTAE481 P.451 and JTAE681 P.452 batteries (JBE18050H P.453) can also be used.
- Comes with 2 batteries, so you don't have to worry about the battery running out unexpectedly.



* Batteries and chargers are set as spare parts. P.453
* Batteries and chargers are not eligible for repair.

* Wheel nut sockets for impact wrenches (BP49 series P.549-550) have a torsion effect that absorbs impact and increases durability by twisting the center of the socket, the wheel nuts may not loosen, especially if the battery capacity is low. Please understand the characteristics of the product before use.



1/2"sq. cordless torque limit impact wrench (main body)

No.	Weight(kg)	□
JAE411	1.4	1

* This is the main body only. Batteries, chargers, and resin cases are not included.

- Wear protective glasses when working.
- Do not disassemble or modify the product.

1/2"sq. CORDLESS TORQUE LIMIT IMPACT WRENCH SET FOR WHEEL NUT

1/2" sq.

AMBAC

LED

MAX Torque 500N·m

Practical Torque 350N·m

2.1kg Main body+Battery

Repair Spare parts

18V Li-ion

Brake

Temporary tightening

Repair Spare parts

Repairable



With special resin case (W400×D326×H105)



Mode change switch
Temporary tightening mode 75N·m
Full power mode 100N·m



JAE473 (main unit)



JBE180HK Installation image



JBE180HK



JHE180K



JBE18040K

No.	Torque		No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(Max/N·m)	(Practical/N·m)						
JTAE473A	500	350	2,200	18V/4.0Ah	170	257	76	3.8

[Set contents] Main unit (JAE473)×1, Battery pack (JBE18040K)×1,

1 dedicated lithium-ion battery charger (JHE180K), 1 power cord, Dedicated resin case (W400×D326×H105)×1

Tightening and loosening of automobile wheel nuts

· Tightening and loosening of bolts and nuts

Features · Right rotation can be switched between full power mode and 2-step temporary tightening mode.

· The use of four LED lights improves visibility of objects.

· The use of brushless motors has realized longer service life and compact size.

· Existing batteries (JBE18015H/JBE18020H/18030H/18040H/18050H) can be used by using the battery adapter (JBE180HK) sold separately.



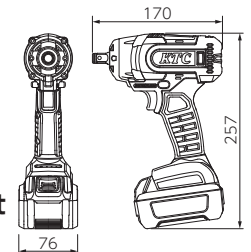
CAUTION

· For bolts and nuts tightened using temporary tightening mode, be sure to use a torque wrench to tighten them to the specified torque value.

* Battery and charger as spare parts.

Battery adapter is set up. P.453

* Batteries and chargers are not eligible for repair.



1/2"sq. cordless torque limit impact wrench for wheel nut (main unit)

No.	Weight(kg)	□
JAE473	1.4	1

* This is the main body only. Batteries, chargers, and resin cases are not included.

Option

No.	Description	Weight(g)	□
JBE180HK	Battery adapter	100	1

This adapter allows existing batteries (JBE18015H, JBE18020H, JBE18030H, JBE18040H, JBE18050H) to be used with the JTAE473A (JAE473).

* The battery charger (JHE180K) included with the JTAE473A cannot be used to charge the JBE18015H to JBE18050H even if a battery adapter is attached to them.

Spare parts

No.	Description	□
JHE180K	Lithium-ion dedicated charger	1
JBE18040K	Battery pack	1

1/2"sq. CORDESS IMPACT WRENCH SET

1/2" sq.

AMBAC

LED

MAX Torque 850N·m

Practical Torque 650N·m

Capacity Bolt M22

3.6kg Main body+Battery

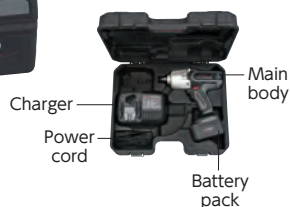
18V Li-ion

Repair Spare parts

Repairable



With special resin case (W440×D366×H113)



JAE481 (main unit)



JAE481-H

No.	Torque		No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(Max/N·m)	(Practical/N·m)						
JTAE481	850	650	0~1,650	18V/5.0Ah	236	291	80	6.4

[Set contents] Main unit (JAE481)×1, Battery pack (JBE18050H)×1,

Charger (JHE180J)×1, Power cord×1, Dedicated resin case (W440×D366×H113)×1

Tightening and loosening of wheel nuts on small trucks

· Tightening and loosening of bolts and nuts

Features · High power with maximum torque of 850 N·m enables tightening and loosening of wheel nuts of small trucks weighing 2 tons or less.

· A teasing throttle is used to adjust the rotation by pulling the trigger.

· 18V/5.0Ah high-capacity lithium-ion battery.

· Motor with built-in brushes.

· Comes with a hook hole so a spring balancer can be used.

· Quick 100 minute charge. (*Charging time varies depending on battery condition and charging environment.)

· JTAE411A battery (JBE18020H) can also be used.

* Batteries and chargers are set as spare parts. P.453

* Batteries and chargers are not eligible for repair.

1/2"sq. cordless impact wrench (main body)

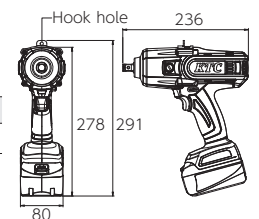
No.	Weight(kg)	□
JAE481	2.9	1

* This is the main unit only. Batteries, etc. are not included.

Spare parts

No.	Description	□
JAE481-H	Hook	1

· A spring balancer can be used with the hook hole.



· Function mark is indicated under the product name. For the details, please refer to P.004-005.

· Products marked with ⚡ should be ordered after checking stock.



3/4"sq. CORDLESS IMPACT WRENCH SET



With special resin case (W440×D366×H113)



JAE681 (main unit)

No.	Torque		No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(Max/N·m)	(Practical/N·m)						
JTAE681	1,000	850	0~1,650	18V/5.0Ah	243	278	80	6.5

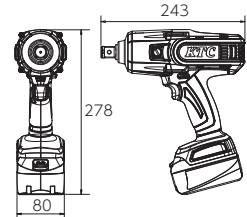
[Set contents] Main unit (JAE681)×1, Battery pack (JBE18050H)×2, Charger (JHE180J)×1, Power cord×1, Dedicated resin case (W440×D366×H113)×1

Tightening and loosening of wheel nuts for large vehicles
 • Tightening and loosening of bolts and nuts

Features • High power with maximum torque of 1,000 N·m enables tightening and loosening of truck wheel nuts.

- A teasing throttle is used to adjust the rotation by pulling the trigger.
- Two 18V/5.0Ah high-capacity lithium-ion batteries are included.
- Motor with built-in brushes.
- Quick 100 minute charge. (*Charging time varies depending on battery condition and charging environment.)
- JTAE411A battery (JBE18020H) can also be used.
- Comes with 2 batteries, so you don't have to worry about unexpected battery failure.

* Batteries and chargers are set as spare parts. P.453
 * Batteries and chargers are not eligible for repair.



3/4"sq.cordless impact wrench(main body)

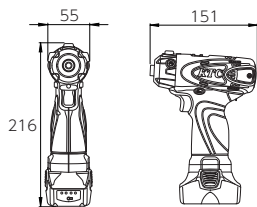
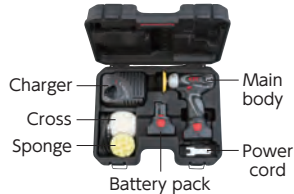
No.	□	
JAE681	1	

* This is the main body only. Batteries, chargers, and resin cases are not included.

CORDLESS POLISHER SET



With special resin case (W400×D326×H105)



JAE711 (main unit)



JTAE711-D



JTAE711-E



JTAE711-F

No.	No-load RPM		Pad Diameter (Inches)	Lithium-ion battery	Button function	Over-all length (mm)	Height (mm)	Width (mm)	Weight (kg)
	(HIGH/ rpm)	(LOW/ rpm)							
JTAE711	0~7,000	0~2,000	3	14.4V/1.5Ah	Two stage	151	216	55	3.3

[Set contents] Main body (JAE711)×1, pad (JTAE711-D)×1, sponge (JTAE711-E)×1, 1 cross (JTAE711-F), 2 battery packs (JBE14415G), Charger (JHE180G)×1, Power cord×1, Dedicated resin case (W400×D326×H105)×1

Finishing of painted surfaces, wiping and finishing of glass/resin surfaces, etc.

Features • Rotation speed can be adjusted to 2 levels (HIGH/LOW).

- Single-action polisher with teasing throttle that allows adjustment of rotation by pulling the trigger.
- Equipped with an automatic/manual switching button mechanism that allows you to rotate the pad at HIGH (7,000 rpm)/LOW (2,000 rpm) without pulling the trigger.
- Comes with a padlock button that eliminates the need to use open end wrench or other to prevent rotation.
- The use of a versatile 3-inch pad allows for the use of pre-existing products.
- Newly adopted motor with built-in brushes.
- Comes with 2 batteries, so you don't have to worry about unexpected battery failure.



- The reverse or speed switching lever should always be used when the pad is completely stopped.
- Hold the unit firmly in place in preparation for the reaction force when the pad rotates.

* Batteries and chargers are set as spare parts. P.453

* Batteries and chargers are not eligible for repair.

Cordless polisher (main body)

No.	□	
JAE711	1	

* This is the main unit only. Pad, sponge, cloth, battery, charger, power cord, and special resin case are not included.

Spare parts for cordless polishers

No.	Description	Pad Diameter (Inches)	□	
JTAE711-D	Pad	3	1	
JTAE711-E	Sponge	3	1	
JTAE711-F	Cross	3	1	

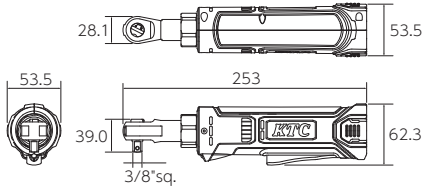
- Wear protective glasses when working.
- Do not disassemble or modify the product.

3/8"sq. CORDLESS RATCHET WRENCH SET

-
-
-
-
-
-
-
-
-



Features



JRE310 (main unit)



JBE07220



JHE072

No.	Torque		No-load RPM (rpm)	Lithium-ion battery	Over-all length (mm)	Height (mm)	Width (mm)	Gross weight (kg)
	(Max/N·m)	(Practical/N·m)						
JTRE310	34	30	190	7.2V/2.0Ah	253	62.3	53.5	750

[Set contents] Main unit (JRE310)×1, Battery pack (JBE07220)×1, Dedicated lithium-ion battery charger (JHE072)×1

Tightening and loosening of bolts and nuts

Smallest and lightest in its class.

- When the remaining battery level falls below 30%, the LED light will flash to notify you when it is time to charge.
- The teasing throttle allows the rotation of the throttle to be adjusted by the pull of the throttle lever.
- The tip of the head is H-shaped to prevent the head from opening when overloaded.
- * Continuous operation may cause the LED to blink temporarily even if there is enough remaining battery power due to voltage drop.
- * Use the throttle lever as a ratchet handle without holding it when large force is required, such as at the beginning of loosening. (Ratchet operation during operation may damage the ratchet section.)

* Batteries and chargers are set as spare parts. P.453

* Batteries and chargers are not eligible for repair.

3/8"sq.cordless ratchet wrench (main body)

No.	□	
JRE310	1	

* This is the main unit only. Battery and charger are not included.

Spare parts

No.	Description	□	
JBE07220	Battery pack	1	
JHE072	Lithium-ion dedicated charger	1	

Cordless LED lights are listed under other lights.



Cordless LED Light
P.485

Cordless grease gun sets are listed under other grease guns.



Cordless Grease Gun Set
P.487

Electric Tool Spare Parts



Battery pack

No.	Voltage/Capacity	Weight(g)	□	
JBE3620A	3.6V/2.0Ah	80	1	
JBE14420G	14.4V/2.0Ah	320	1	
JBE18050	18V/5.0Ah	720	1	
JBE18015H	18V/1.5Ah	500	1	
JBE18020H	18V/2.0Ah	500	1	
JBE18030H	18V/3.0Ah	700	1	
JBE18040H	18V/4.0Ah	700	1	
JBE18050H	18V/5.0Ah	700	1	
JBE18040K	18V/4.0Ah	700	1	
JBE1820G	18V/2.0Ah	430	1	
JBE07220	7.2V/2.0Ah	150	1	

• Compatibility of electric tools, battery packs, and lithium-ion battery chargers is shown in the application table on P454-455.

• JBE3620A is the successor to JBE3615A, JBE14420G to JBE14415G, JBE18020H to JBE14415G, respectively.

Lithium-ion dedicated charger

No.	Weight(g)	□	
JHE036A	320	1	
JHE180G	450	1	
JHE180H	520	1	
JHE180J	600	1	
JHE180K	400	1	
JHE180S	520	1	
JHE072	100	1	

Compatibility of electric tools, battery packs, and lithium-ion battery chargers is shown in the application table on P454-455.










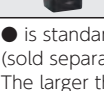
• Function mark is indicated under the product name. For the details, please refer to P.004-005.
• Products marked with ⚡ should be ordered after checking stock.



Electric Tool Compatibility Chart

POWER TOOLS

ELECTRICAL TOOLS

Item No.	Battery										
	JBE3620A	JBE14420G	JBE18050	JBE18015H	JBE18020H	JBE18030H	JBE18040H	JBE18050H	JBE18040K	JBE1820G	JBE07220
	3.6V/2.0Ah	14.4V/2.0Ah	18V/5.0Ah	18V/1.5Ah	18V/2.0Ah	18V/3.0Ah	18V/4.0Ah	18V/5.0Ah	18V/4.0Ah	18V/2.0Ah	7.2V/2.0Ah
	●	—	—	—	—	—	—	—	—	—	—
	—	●	—	—	—	—	—	—	—	—	—
	—	●	—	—	—	—	—	—	—	—	—
	—	—	—	○	●	○	○	○	—	—	—
	—	—	○	—	—	—	—	—	—	—	—
	—	—	○	—	—	—	—	—	—	—	—
	—	—	—	○	○	●	○	○	—	—	—
	—	—	—	△	△	△	△	△	●	—	—
	—	—	—	○	○	○	○	●	—	—	—
	—	—	—	○	○	○	○	●	—	—	—

* ● is standard equipment for the JTAE series. ○ is not standard equipment, but can be used. △ can be used by attaching a battery adapter (JBE180HK) (sold separately).

* The larger the battery capacity (Ah), the longer the continuous use time, but the longer the charging time.

* Continuous use time varies depending on usage conditions, operating conditions, ambient temperature, and other factors.

* () is the part number of the main unit only (without battery, charger, and case).

* Some impact drivers are no longer in production.

- Wear protective glasses when working.
- Do not disassemble or modify the product.

Electric Tool Compatibility Chart

Item No.	Battery										
	JBE3620A	JBE14420G	JBE18050	JBE18015H	JBE18020H	JBE18030H	JBE18040H	JBE18050H	JBE18040K	JBE1820G	JBE07220
	3.6V/2.0Ah	14.4V/2.0Ah	18V/5.0Ah	18V/1.5Ah	18V/2.0Ah	18V/3.0Ah	18V/4.0Ah	18V/5.0Ah	18V/4.0Ah	18V/2.0Ah	7.2V/2.0Ah
JTAE711 (JAE711)	—	○	—	—	—	—	—	—	—	—	—
JTRE310 (JRE310)	—	—	—	—	—	—	—	—	—	—	●
JAE921	—	—	—	○	○	○	○	○	—	—	—
JTAE911 (JAE911)	—	—	—	—	—	—	—	—	—	●	—

* ● is standard equipment for the JTAE series. ○ is not standard equipment, but can be used. △ can be used by attaching a battery adapter (JBE180HK) (sold separately).

* The larger the battery capacity (Ah), the longer the continuous use time, but the longer the charging time.

* Continuous use time varies depending on usage conditions, operating conditions, ambient temperature, and other factors.

* () is the part number of the main unit only (without battery, charger, and case).

* Some impact drivers are no longer in production.

Battery charger compatibility chart

Item No.	Battery										
	JBE3620A	JBE14420G	JBE18050	JBE18015H	JBE18020H	JBE18030H	JBE18040H	JBE18050H	JBE18040K	JBE1820G	JBE07220
	3.6V/2.0Ah	14.4V/2.0Ah	18V/5.0Ah	18V/1.5Ah	18V/2.0Ah	18V/3.0Ah	18V/4.0Ah	18V/5.0Ah	18V/4.0Ah	18V/2.0Ah	7.2V/2.0Ah
JHE036A	●	—	—	—	—	—	—	—	—	—	—
JHE180G	—	●	—	—	—	—	—	—	—	●	—
JHE180H	—	—	—	●	●	●	●	●	—	—	—
JHE180J	—	●	—	●	●	●	●	●	—	●	—
JHE180K	—	—	—	—	—	—	—	—	●	—	—
JHE180S	—	—	●	—	—	—	—	—	—	—	—
JHE072	—	—	—	—	—	—	—	—	—	—	●

· Function mark is indicated under the product name. For the details, please refer to P.004-005.

· Products marked with ⚡ should be ordered after checking stock.



POWER TOOLS

ELECTRICAL TOOLS