

POWER TOOLS

4. POWER TOOLS

AIR IMPACT WRENCHES
ELECTRIC IMPACT WRENCHES



4. POWER TOOLS

AIR IMPACT WRENCHES



WARNING

Air Impact Wrenches

- Do not use this machine outside its designated usage.
- Do not use outside the wrench's capability or specifications.
- Do not operate while in an awkward posture.
- Make sure that all operators are wearing safety glasses, earplugs, a hard hat, a dust mask, safety boots, and clothing that comply with the work purpose and environment while working.
- Always use head tools (such as sockets) that are compatible with impact wrenches, and remove the air hose (coupler) before replacing.
- Always make sure the head tools, etc. are securely attached before commencing work.
- Do not touch the drive areas or turning areas of head tools.
- Before use make sure there are no irregularities, such as cracks or irregular operating sounds.
- If there are any abnormalities during use, stop the wrench immediately to inspect, and have the wrench serviced if required.
- Use the specified air pressure.
- Do not use anything other than pressured air to power the machine. Use of high-pressured gas, such as oxygen or propane gas, is prohibited.
- Always attach the air hose (coupler, etc.) securely. The hose will fly off if the air hose becomes loose.
- Always hold the object being worked on securely when using the wrench.
- Do not operate near flammable materials, such as gasoline (petrol) or gas.
- Do not operate the impact wrench in mid-air freely under no-load with the head tool attached as the head tool may fly off.



CAUTION

Air Impact Wrenches

- Handle the machine with care. Do not throw or drop the machine.
- Do not run an impact wrench freely as it may lead to early wear and tear.
- To prevent early wear and tear, do not use the machine continuously on full power for more than a minute.
- Add oil as required through the inlet after each use.
- As the impact wrench cannot control the torque, use a torque wrench to tighten if a specified torque is required.

Description



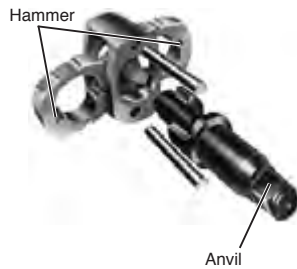
High power using the twin hammer system

Because the anvil is hit twice per each rotation of the rotor, balanced rotation and stable striking power is achieved. The twin hammer also has high durability, and recoil is low compared to output.



Air Motor with 7 Vanes

By adding one more vane than existing line and enhanced rotation efficiency.



Siebel Inlet

Prevents the inlet rotation from twisting the hose.



Teasing Throttle

Precise rotation is controlled by the trigger; this allows a smooth operation for loosening and tightening.



One-Push changeover switch

One-Push changeover switch in one hand.



● 1/2"sq. IMPACT WRENCH

● It is a standard model with aluminum body that's excellent in cost performance.

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used	▼kg
JAP436	6,800rpm	0.68m ³ /min	NPT1/4"	8mm or more	2.4

• Attachment: Air coupler, air tool oil x1

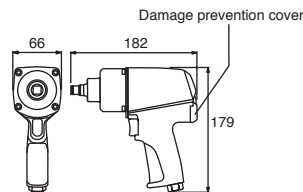
Features ● Single hammer is used that's unified the hammers in twin hammer mechanism, increasing each striking force.

- Teasing throttle which can adjust rotation speed by pulling trigger.
- It comes with a cover that prevents damage to the switch lever.

* Maximum torque is for left rotation. Torque on the right rotation is 10% less than the left rotation.

* Both left and right rotations can be adjusted by 2 stages with the regulator.

* Spare parts are configured. Please contact your dealer for details.

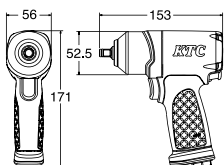


● 3/8"sq. IMPACT WRENCH (COMPOSITE TYPE)

No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used	▼kg
JAP350	11,700rpm	0.481m ³ /min	NPT1/4"	8mm	1.1

• Attachment: 1 Air Coupler (20PM)

Little noise and Low Air Consumption Type for an eco-friendly



- High power and lighter New model of twin hammer.
- High rotational efficiency by new model air motor adopted 7vanes.
- Teasing throttle which can adjust rotation speed by pulling trigger
- Siebel Inlet which prevents the inlet rotation from twisting the hose.
- One-Push changeover switch in one hand.



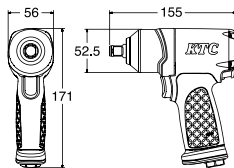
The regulator and the changeover SW; easy to operate.



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

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP450	10,000rpm	0.39m ³ /min	NPT1/4"	8mm

• Body of reinforced plastic • Attachment: 1 Air Coupler (NPT1/4)
By using aluminium hammer case and composite body provides users with weight saving, high mechanical strength and high durability.



- High power and lighter New model of twin hammer.
- High rotational efficiency by new model air motor adopted 7 vanes.
- Teasing throttle which can adjust rotation speed by pulling trigger
- Siebel Inlet which prevents the inlet rotation from twisting the hose.
- One-Push changeover switch in one hand.



The regulator and the changeover SW; easy to operate.

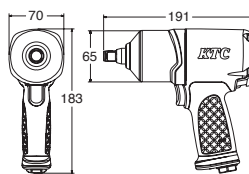
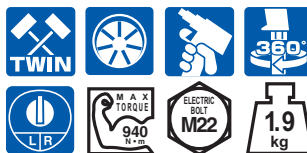
1/2" sq. ● 1/2"sq. IMPACT WRENCH (COMPOSITE TYPE)

Overwhelming power of 940N·m that's comparable to 3/4"sq. class
● Low-noise, low air consumption type that considers the environment.
● Using aluminum for the hammer case and composite material (special reinforced resin) for the body, weight reduction, high strength and high durability are achieved.

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP460	7,400rpm	0.68m ³ /min	NPT1/4"	11mm or more

- Attachment: Air coupler, air tool oil x 1
Features
- New model of twin hammer that's simultaneously pursued the weight reduction and power
 - High rotation efficiency with the new air motor that uses 7 vanes
 - Teasing throttle which can adjust rotation speed by pulling trigger
 - 360° swivel inlet that prevents twisting of hose
 - One-Push changeover switch in one hand

* Maximum torque is for left rotation. Torque on the right rotation is 10% less than the left rotation.
* Output adjustment by the regulator cannot be made for the left rotation. Adjustment can be made by pulling the trigger.
* Spare parts are configured. Please contact your dealer for details.



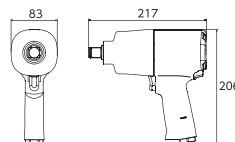
Regulator and switch button with good operability

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

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP650A	5,100rpm	1.613m ³ /min	NPT3/8"	11mm or more

- Attachment: Air coupler, air tool oil x 1
Features
- Twin hammer that's developed for power is adopted.
 - High rotation efficiency with the new air motor that uses 7 vanes.
 - Teasing throttle that can fine-tune the rotation speed by pulling the trigger.
 - 360° swivel inlet that prevents the twisting of air hose.
 - One-push switch button that can easily switch the rotational direction by one hand.
 - High power of 1600N·m max. that's comparable with the inch class.

* Maximum torque is for left rotation. Torque on the right rotation is 10% less than the left rotation.
* Output adjustment by the regulator cannot be made for the left rotation. Adjustment can be made by pulling the trigger.
* Spare parts are configured. Please contact your dealer for details.



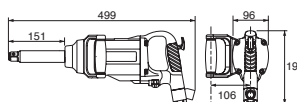
Regulator and switch button with good operability

3/4" sq. ● 3/4"sq. LIGHTWEIGHT IMPACT WRENCH

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP675	5000rpm	1.811m ³ /min	PT1/2"	11mm or more

- Attachment: Side handle, air coupler (40PM), air tool oil x 1
Features
- Recoil to the output is lessened by the adoption of twin-hammer.
 - Regulator function can be adjusted by 3 stages in right and 2 stages in left rotation.
 - Teasing throttle is adopted that can steplessly adjust the rotation speed by trigger.
 - Notch side is minimized on the left-right switch lever, making it resistant to damage from the fall, etc.
 - Side handle uses the band method, allowing it to be fixed at any position in 360° regardless of being left or right-handed.
 - Handle has a nonslip cover.

* Maximum torque is for left rotation.
* Spare parts are configured. Please contact your dealer for details.

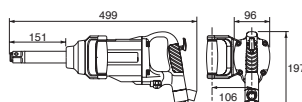


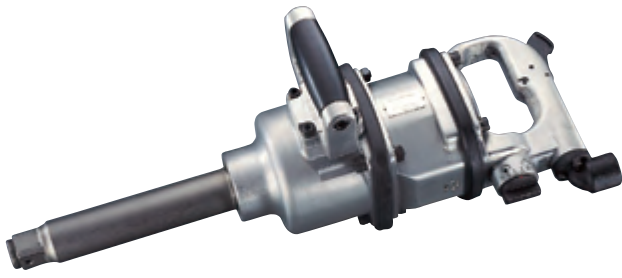
1" sq. ● 1"sq. LIGHTWEIGHT IMPACT WRENCH

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP875	5000rpm	1.811m ³ /min	PT1/2"	11mm or more

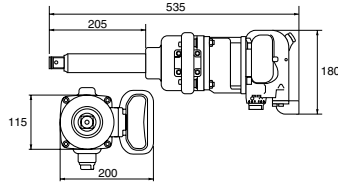
- Attachment: Side handle, air coupler (40PM), air tool oil x 1
Features
- Recoil to the output is lessened by the adoption of twin-hammer.
 - Regulator function can be adjusted by 3 stages in right and 2 stages in left rotation.
 - Teasing throttle is adopted that can steplessly adjust the rotation speed by trigger.
 - Notch side is minimized on the left-right switch lever, making it resistant to damage from the fall, etc.
 - Side handle uses the band method, allowing it to be fixed at any position in 360° regardless of being left or right-handed.
 - Handle has a nonslip cover.

* Maximum torque is for left rotation.
* Spare parts are configured. Please contact your dealer for details.





Recommended Air Hose
JAH-110



1" sq.

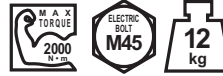
● **LARGE SIZE 1"sq. "MEGA-IMPACT"**

No.	No. of rotation (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAP885	5,000rpm	2m ³ /min	PT1/2"	11mm

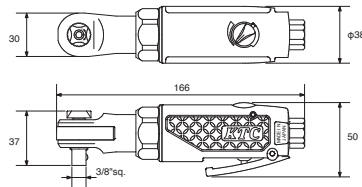
• Attachment: 1 Air Coupler (40PM)

This 1-inch Impact Wrench has the highest torque for its class with an output range up to a maximum torque of 2000N·m.

The tires of large trucks can be easily removed/installed.



*MEGA-IMPACT is a registered trademark of KYOTO TOOL CO., LTD.



3/8" sq.

● **3/8"sq. COMPOSITE MINI-TYPE MINI-RATCHET**

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAR331	250rpm	0.32m ³ /min	PT1/4"	8mm or more

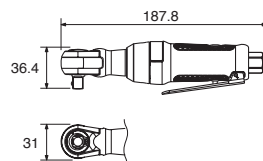
• Attachment: Air coupler, air tool oil x1

Usage ● Used for the quick turning of bolt-nut.

Features ● Weight reduction of the body is achieved by the full-composite housing.

- Easy-to-carry compact size with short total length.
- High power of 35N·m practical torque (maximum torque in left rotation is 40N·m).
- Regulator mechanism that can fine-tune the rotation speed is equipped.
- Rotation can be fine-tuned by pulling the throttle lever.
- Durability of ratchet part is improved with the twin-endurance mechanism (more than 2x our conventional product).

* Spare parts are configured. Please contact your dealer for details.



3/8" sq.

● **3/8"sq. MINI-TYPE MINI-RATCHET**

No.	No. of rotations (unloaded)	Air consumption (unloaded)	Air inlet	Inner diameter of hose used
JAR352	250rpm	0.09m ³ /min	NPT1/4"	8mm

• Attachment: Air coupler (20PM) x1

Features ● Lightweight and compact standard air ratchet.

- Teasing throttle lever that can fine-tune the rotation with the throttle lever.

* Spare parts are configured. Please contact your dealer for details.

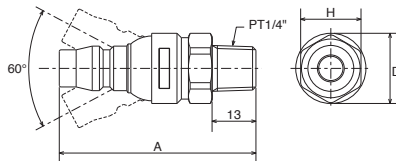


● SWIVEL AIR CONNECTOR

No.	Screw size	A	D	H	▼g
JYP-2F	PT1/4"	58	19.5	19	50

Features ● Plug on the tip can smoothly tilt at 30° in every direction.
● Fatigue of wrist and burden to arm and shoulder are reduced by lessening the tracking of hose during operation.

Material of main body	Steel+Resin
Maximum working pressure	1.0MPa
Withstanding pressure	2.0MPa
Seal material	Nitrile rubber
Operating temperature range	-20°C~+60°C

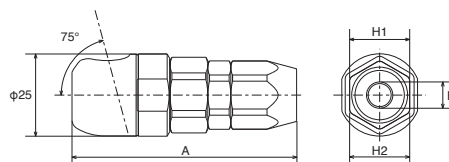


● BALL VALVE AIR COUPLER

No.	Hose size	A	F	H1	H2	▼g
JYDC-1	8.5x12.5	68	6.5	19	19	134

Features ● Reduces the pressure loss due to ball valve mechanism and improves the performance of air tools.
● While having a simple design, pressure-free connection, process residual function and automatic plug fall prevention are equipped.

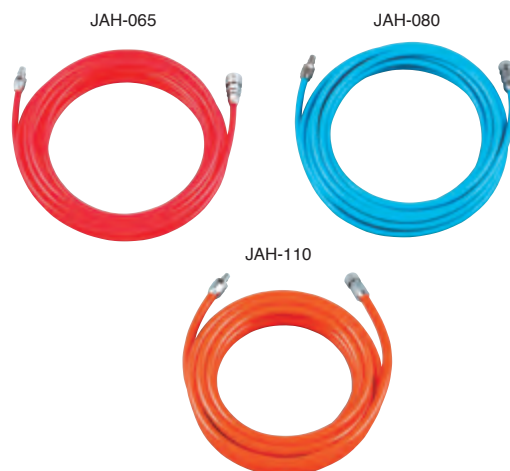
Material of main body	Steel
Maximum working pressure	1.5MPa
Withstanding pressure	2.0MPa
Seal material	Nitrile rubber
Operating temperature range	-20°C~+60°C



● AIR HOSE

No.	Inner diameter	Outer diameter	Hose Color	diameter	Hose plug	Hose socket
JAH-065	ø6.5mm	ø10mm	10m Red	Polyurethane	ø10.1x43.5	ø10.1x53.4
JAH-080	ø8.0mm	ø12mm	10m Blue	Polyurethane	ø12.5x46	ø12.5x55.9
JAH-110	ø11mm	ø16mm	10m Orange	Polyurethane	ø16.5x52	ø16.5x61

• Hose sockets and hose plugs are both manufactured by Nitto Koki.
• Attached with 30PM plug and 30SM socket.
• The color of the hose is orange (distinguishable).



● AIL TOOL OIL

No.	Net	Container Size	☞
YCO -280	280ml	ø50mmxH210	1

• Oil made especially for air tools.
• Suitable for air tools with high RPM.



4. POWER TOOLS

ELECTRIC IMPACT WRENCHES



WARNING

Electric Impact Wrench

- Do not use this machine outside its designated usage.
- Do not use outside the wrench's capability or specifications.
- Do not operate while in an awkward posture.
- Make sure that all operators are wearing safety glasses, earplugs, a hard hat, a dust mask, safety boots, and clothing that comply with the work purpose and environment when working.
- Always use head tools (such as sockets) that are compatible with impact wrenches and make sure that the trigger switch is released before replacement.
- Always make sure the head tools, etc. are securely attached before commencing work.
- Do not touch the drive areas or turning areas of head tools.

- Before use make sure there are no irregularities, such as cracks or irregular operating sounds.
- If there are any abnormalities during use, stop the wrench immediately to inspect, and have the wrench serviced if required.
- Always hold the object being worked on securely when using the wrench.
- Do not operate near flammable materials, such as gasoline (petrol) or gas.
- Do not operate the impact wrench in mid-air freely under no-load with the head tool attached as the head tool may fly off.
- Use a domestic 100V power point to recharge. Avoid usage under direct sunlight or rainfall, and outside 10°C~40°C.
- Do not recharge any batteries, other than ones specified for impact wrenches.
- Do not touch the recharger or battery pack with wet hands.
- Do not throw the battery pack into a fire.



CAUTION

Electric Impact Wrench

- Handle the machine with care. Do not throw or drop the machine.
- Do not run an impact wrench freely as it may lead to early wear and tear.
- To prevent early wear and tear, do not use the machine continuously on full power for more than a minute.

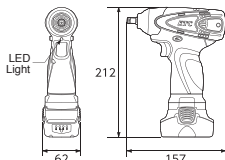
- As the impact wrench cannot control the torque, use a torque wrench to tighten if a specific torque is required.
- Do not short circuit the battery pack terminal.
- Always dispose of battery packs in compliance with local government regulations.

1/4" sq.

1/4" CORDLESS IMPACT SCREWDRIVER SET



Lithium ion Battery adopted



* Battery and charger are not supported for repair.

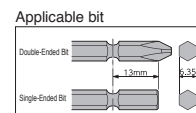
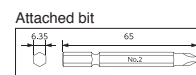
No. JTAE115	1
Method	Cordless Rechargeable Electric Impact Driver
Input Voltage	14.4V DC
Practical Torque	110N·m (at 20°C full-charged condition)
No. of Rotations (Unloaded)	0~2,500rpm
Anvil	1/4"
Weight	1.1Kg (Body: 780g / battery pack: 320g)

Special resin case (W350xD285xH90), battery (2pcs.), charger, No.2 cross bit (4pcs.) included

- * Practical torque is a reference value. Numeric value varies depending on the use environment.
- Compact and lightweight with the compact lithium ion battery.
- Capable of irradiating the target with LED.
- Rapid 40-minute charging. * Charge time depends on the battery condition and charging environment.



Use a product with the specifications on the right for the cordless impact driver.



Attached bit is considered as a consumable. Since the bit is configured as a spare part (open price), confirm the price and the like at a KTC dealer.

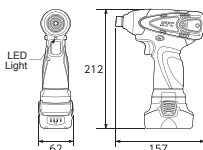
* Charger is configured as a spare part. Please contact your dealer for details.

3/8" sq.

3/8"sq. CORDLESS IMPACT WRENCH SET



Lithium ion Battery adopted



* Battery and charger are not supported for repair.

No. JTAE315	1
Method	Cordless Rechargeable Electric Impact Wrench
Input Voltage	14.4V DC
Practical Torque	110N·m (at 20°C full-charged condition)
No. of Rotations (Unloaded)	0~2,500rpm
Square	3/8"sq.
Weight	1.1Kg (Body: 780g / battery pack: 320g)

Special resin case (W350xD285xH90), battery (2pcs.) and charger included

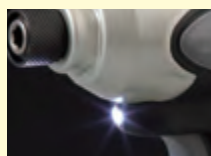
- * Practical torque is a reference value. Numeric value varies depending on the use environment.
- Compact and lightweight with the compact lithium ion battery.
- Capable of irradiating the target with LED.
- Rapid 40-minute charging. * Charge time depends on the battery condition and charging environment.

* Charger is configured as a spare part. Please contact your dealer for details.

Cordless Impact Driver/Wrench Common Specifications



Compact and lightweight with the compact lithium ion battery.



Work objects are illuminated with the equipped LED light.



Battery indicator that clearly shows the remaining level and 2 safe batteries are included.



Rapid 40-minute charging. * Charge time depends on the battery condition and charging environment.

● CARBON BRUSH SET FOR REPLACEMENT

CAUTION Please simultaneously replace both the left and right for the replacement of carbon brush

No.	Product Name	☒	
JAE101-B	Carbon Brush Set for Replacement	1	

* It is a common part for 1/4" cordless impact driver set (No.JTAE115) and 3/8"sq. cordless impact wrench set (No.JTAE315).



● BATTERY PACK

No.	Product Name	Capacity	▼g	☒	
JBE14415G	Battery Pack	1.5Ah	320	1	

* It is a common part for 1/4" cordless impact driver set (No.JTAE115) and 3/8"sq. cordless impact wrench set (No.JTAE315).



1/4" sq. Cross Bit for Electric Impact Screwdriver

No.	Size	S1	L	Chuck length: ℓ	▼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	

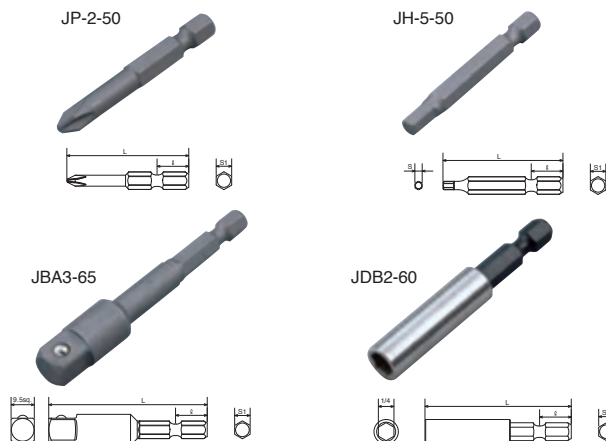
Hex. Bit for Electric Impact Screwdriver

No.	S	S1	L	Chuck length: ℓ	▼g	☒	
JH-3-50	3	1/4"	50	13	14	1	
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-5-100	5	1/4"	100	13	27	1	
JH-6-50	6	1/4"	50	13	14	1	
JH-6-100	6	1/4"	100	13	27	1	

Bit Holder for Electric Impact Screwdriver

No.	Size	S1	L	Chuck length: ℓ	▼g	☒	
JDB2-60	1/4"	1/4"	60	13	38	1	

● BIT FOR ELECTRIC IMPACT SCREWDRIVER



Adapter for Electric Impact Screwdriver

No.	Square	S1	L	Chuck length: ℓ	▼g	☒	
JBA3-65	3/8"sq.	1/4"	65	13	20	1	

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

No. JTAE471	☒ 1
Method	Cordless Rechargeable Electric Impact Wrench
Square	1/2"sq.
Input Voltage	18V DC
Maximum Torque	At Full-power Mode 500N·m (at left and right rotation) * At Temporary Tightening Mode Approx. 15% at full-power mode (right rotation only)
No. of Rotations (Unloaded)	0~1,800rpm
Electric Bolt	Automobile Wheel Nut M10~M14
Workload per Charge (Approximate)	Number of automobile wheel nut loosening: 360 *
Weight	5.1kg (Body) / battery pack: 720g

Wheel Nut Removal Recommended Tip Tool: Socket for KTC Impact Wrench

* Maximum torque and workload per charge are reference values, which vary according to the use condition.

Usage ● Loosening and temporary tightening of wheel nuts in automobile.

● Loosening and tightening of bolt-nut.

Features ● Prevents the over-tightening by the adoption of temporary tightening mode that's idea the temporary tightening of wheel nuts.

(Forward rotation: right rotation only)

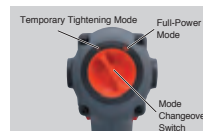
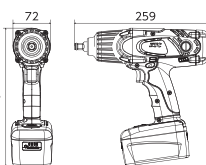
● Temporary tightening mode and full-power mode can be switched. (Forward rotation: 266 right rotation only)

● Additional charging is made possible by the adoption of lithium ion battery.

● With a carrying case that's convenient in storage and carrying.

Torque limit mechanism
Temporary tightening mode adopted

Lithium ion Battery adopted



Temporary tightening mode and full-power mode can be switched with the mode switch. (Forward rotation: right rotation only)



Battery indicator that shows the remaining level at a glance.

CAUTION For the wheel nut that's been tightened using the temporary tightening mode, be sure to use a torque wrench to tighten to the specified torque.

1/2" sq. ● 1/2"sq. WHEEL NUT DEDICATED CORDLESS TORQUE LIMIT IMPACT WRENCH (BODY)

No. JAE407	☒ 1
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Body only. Battery etc. are not attached.

• If you have a battery pack (No.JBE18030) for KTC 1/2"sq. Cordless Impact Wrench Set (No. JTAE424) and a charger, they can be used in conjunction with this body.



● SPECIAL BATTERY CHARGER FOR LITHIUM ION BATTERY

No.	Product Name	▼g	☒	
JHE180S	Special Battery Charger for Lithium Ion Battery	520	1	

* Battery and charger are not supported for repair.