

CATALOG



Tires | Lubricants | Batteries | Tools and supplies | Car care products
Equipment | Brake pads | Filters | Car accessories | Wiper blades



Since 1960

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ROTAKE®

● Group Headquarter

ROTAKE GROUP CO., LTD

Changsha, China

● Manufacturing Center

ROTAKE MACHINERY (JIAXING) CO., LTD

Tongxiang, China

VISION

To become a world-class innovative tools company

MISSION

Tools change the world

VALUE

Innovation, Responsibility, Sincerity, Altruism

GROUP INFORMATION

Dedicated to the R&D of professional smart cordless tools, ROTAKE is the world's leading manufacturer of smart impact wrenches and China's leading manufacturer of new-generation smart cordless tools.

It focuses on smart impact wrenches for professional use, boasts strategic partners and sales and service networks in 83 countries and regions, and emerges as a well-known brand in the tool industry with global influence.

The new generation of cordless impact drivers, ratchet wrenches, impact drills, grinders and hammers, are widely used in a variety of fields such as automobile and equipment repair and maintenance, workshop production, road and bridge construction, building and construction, home furnishing and so on.

Founded in 2010, ROTAKE has its global operation and R&D headquarter in Changsha and invested \$15 million to build a 30,000m² manufacturing center in Tongxiang, Zhejiang Province.

ROTAKE adheres to the innovation-driven development strategy to produce premium products using cutting-edge technology. Here, R&D teams work in world-class laboratories, together with the sales team, strive to provide high-performance products and localized professional services for customers around the world.

ROTAKE has been awarded Top Ten Influential Brands in China's Automotive Repair and Maintenance Industry and Top Ten Maintenance Tool Brands and rated as a National High-Tech Enterprise.

In keeping with its mission—Tools change the world, ROTAKE is devoted to becoming a world-class innovative tools company.

BRAND HISTORY

2010

A 50 m² start-up set up in Hangzhou

2011

Invested and built own factory in Hangzhou

2012

Partnered with America's leading retailer of quality tools

2013

Awarded the honor of Top Ten Influential Brands in China's Automotive Repair and Maintenance Industry and Top Ten Maintenance Tool Brands

2014

Opened Changsha Branch

2016

Became the leading exporter of air impact wrenches in China, with products exporting to over 50 countries

2017

Initiated long-term cooperation with global market leader in auto maintenance industry as well as famous tool brand in Europe

2018

Launched strategic cooperation with Russian leading brands of auto maintenance and tools

2019

Invested \$15 million to build a new manufacturing center - Rotake Machinery (Jiaxing) Co., Ltd in Tongxiang, Zhejiang

2020

Put forward the "innovation-driven" development strategy and prioritized the growth of new-generation smart cordless tools

2022

Earned the title of National High-tech Enterprise

2023

Established Changsha branch as our global headquarter for operations and R&D to globalize business, services and talents

2024

Successfully launched a new generation of smart cordless tools, opening up a new era of smart cordless tools.

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The New Generation of Smart Cordless Tools

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ROTAKE®

CATALOGUE

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ROTAKE®

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60 Icon Index

BRUSHLESS MOTOR

Brushless Motor

- Electronically commutated, spark-free and reliable operation, brushless design, extended life and maintenance-free.
- Its small size and light weight design improves the power density and reduce the size and weight of the whole machine. At the same time, the characteristics of high torque, high speed and high efficiency help reduce energy consumption and extend the endurance of the equipment.
- It uses high-quality rare earth magnets and pure copper enameled wire, which can easily cope with continuous heavy-duty application.



IDC

Integrated Die-casting Technology

- The pioneer innovation in the industry, three-in-one die-casting technology, integrates the gearbox housing, output shaft sleeve, and output shaft gasket of the impact wrench into one part.
- Easier assembly, more reliable structure, and more convenient maintenance.
- The output shaft is installed with positioning, which has higher precision and smaller runout.



RFC

Reaction Force Control Technology

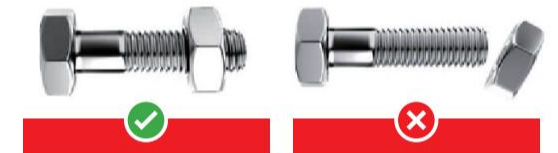
- **Real-time monitoring of the machine acceleration by gyroscope.** Once the set value is exceeded, the machine will automatically stop.
- **The function will be automatically stimulated during the operation of the machine to protect the operator from injury.**
 - E.g. high torque cordless drill: if the drill bit is jammed, RFC will automatically power off to prevent the operator's hand from being thrown off and twisted.
 - E.g. angle grinder: if the grinding/cutting blade is jammed, RFC will automatically power off to prevent the machine from rebounding and falling out of the operator's hand.



Smart Control Mode

➤ Tightening Auto-stop Mode:

When tightening the bolt, the controller automatically determines whether the nut fits the workpiece, and automatically shuts down the machine when the impact time reaches the set target. The longer the impact time of the cordless wrench, the greater the locking torque of the bolt, which greatly improves the consistency of the bolt tightening torque.



➤ Loosening Speed-reduction Mode:

When removing the bolt, the cordless wrench first impacts at full speed, and the controller automatically determines whether the nut leaves the workpiece. If there is no impact, it immediately reduces the speed. The function can avoid the risk of nuts/bolts coming off the machine and falling when the operator fails to stop the machine in time.



LED Shadowless Lighting System

- Composed of two or more LEDs.
- No fear of obstruction, suitable for narrow and dark environment operations.
- When the battery pack is plugged in or the trigger is pulled, the LED automatically lights up.
- The system has a delayed extinguishing function, and the LED automatically switches to standby mode.



CSC

Constant Speed Control

- **Using Hall sensing element to monitor the position of rotor assy in real time and precisely control the motor output speed.**
 - Within the rated load range, the machine does not drop speed and always runs at a constant speed to improve work efficiency.
 - The machine will only drop speed when the load exceeds the rated value to prevent excessive power and frequent machine protection.

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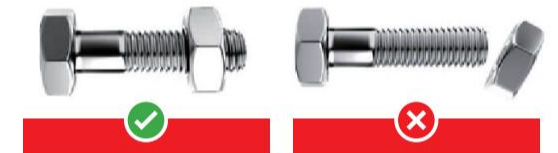
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20V^{New}

Smart Battery Platform

Quintuple Protection



Overcharge
Protection



Over Discharge
Protection



Overcurrent
Protection



Short Circuit
Protection



Temperature Control
Protection



High Multiplying Power, Strong Output

The world's leading brand of high-rate ternary Li-ion battery cells are selected to ensure the strong output of high-power products. High energy density design supports long-term continuous operation of power tools, reduces frequent charging, and improves work efficiency.



Long Life, Durable

Matching the T series smart impact wrench, the measured cycle life of the machine under harsh application conditions is 500 cycles, and the remaining capacity is $\geq 80\%$ of the initial capacity.



High Security, Double Protection of Charge and Discharge

Dual charging and discharging protection BMS system accurately monitors battery status. Provides remaining power display, overcharge, over-discharge, and over-temperature protection, and cuts off the circuit under abnormal conditions to ensure safe and stable operation of the battery, extend battery life, and ensure safe charging and discharging. The products have passed strict international safety certifications, such as CE, PES, KC, UL etc.



High Performance, Low Temperature Resistance

The low temperature environment of -20°C can still provide reliable and strong output.



Reliable Structure

light-weight and compact design. The bottom of the shell is rubber-coated, maximum operator confort and slip-resistant. Passed 2m drop test, drop-resistant and crash-resistant.



2.0Ah

20B2
121*79*51 mm
0.4 kg



4.0Ah

20B4
121*79*70 mm
0.67kg



5.0Ah

20B5
121*79*70 mm
0.7kg



6.0Ah

20B6
121*79*89 mm
0.97kg



8.0Ah

20B8
136*84*80 mm
0.98kg

Charging Time



Charger Battery	18C2.5	18C4	18C2D	18C4D
	min	min	min	min
20B2	58	36	72	36
20B4	116	72	144	72
20B5	144	92	180	92
20B6	172	110	216	110
20B8	230	144	288	144

20V New

Smart Battery Platform

Quintuple Protection



Overcharge Protection



Over Discharge Protection



Overcurrent Protection



Short Circuit Protection



Temperature Control Protection



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20B5	144	92	180	92
20B6	172	110	216	110
20B8	230	144	288	144



One battery, more tools!

New Generation **16V**

Battery Platform

Compact and Powerful



2.0Ah 16B2
51*51*84mm
0.24kg



4.0Ah 16B4
99.5*74*106mm
0.44kg



Charger 16C2
131*80*52mm
0.24kg

72mins Full charge
for 2.0Ah Battery



One battery, more tools!

New Generation **16V**

Battery Platform

Compact and Powerful



2.0Ah 16B2
51*51*84mm
0.24kg



4.0Ah 16B4
99.5*74*106mm
0.44kg



Charger 16C2
131*80*52mm
0.24kg

72mins Full charge
for 2.0Ah Battery

ROTAKE®

Impact Wrenches

SMARTER
STRONGER
TOUGHER



- Smart control, automatic stop when tightening, speed reduction when loosening.
- Brushless motor, strong power, equipped with a new 18V smart charging platform, longer battery life and efficient operation.
- Forward and reverse modes, three gears to switch at will.
- Front shadowless dual LED lights, delayed LED off, and smart standby.

T-SERIES
SMART IMPACT WRENCH



Front Shadowless
Dual LED Lights
Wide range lighting, clear and precise



3-speed Control



Complete TPE Soft Rubber
Protection
No worry of falling



Smart
Control



CFD Cooling System
Efficient heat dissipation,
longer lasting heavy load

TPE Rubber Handle
Shock absorption and anti-slip,
comfortable operation



Multi-point of Lanyard,
Lace-up Design
safety and convenience



Strong Power
Longer Battery Life



Smart Control
Multiple Efficiency



Excellent Performance
Quality Choice

Application



Auto repair



Large tower
crane installation



Wind power nuclear
power UHV



Road and bridge
construction

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Longer Battery Life



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Multiple Efficiency



Excellent Performance
Quality Choice

Application



Auto repair



Large tower
crane installation



Wind power nuclear
power UHV



Road and bridge
construction

T1S Lightweight Smart Impact Wrench

Max. Fastening Torque
380Nm

Body Smaller
20%

Weight Lighter
15%

Scaffolding Expert

- Smart control, stop when tightened
- Forward and reverse mode, 2-speed to switch
- Brushless motor, strong power
- Intergrated front LED shadowless light

T1S

1/2" Lightweight Impact Wrench

Application Tire Removal | Industrial Machinery Assembly & Disassembly | Construction Applications



Square Size (inch)	1/2"
Rated Voltage (V)	20
Motor Type	Brushless DC
No-Load Speed (RPM)	2700
Impact Per Minute (IPM)	4100
Max. Fastening Torque (Nm)	380
Nut Busting Torque (Nm)	580
Net Weight (Kg)	1.00
L*W*H Without Battery (mm)	140×76×200



T11

1/2" Stubby Impact Wrench

Application Shelf Work | Auto Repair | Furniture Assembly | Machinery Maintenance
Shelf Disassembly & Assembly etc.



- Compact body, lightweight and portable
- Smart control: automatic stop in forward rotation, deceleration in reverse rotation
- 3-speed control
- Widely used in different applications

Square Size (inch)	1/2"
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	2700/2000/1400
Impact Per Minute (IPM)	3200/2400/1600
Max. Fastening Torque (Nm)	520
Nut Busting Torque (Nm)	750
Net Weight (Kg)	0.98
L*W*H Without Battery (mm)	124×66×208



T2S

1/2" Mid-Torque Impact Wrench

Application Tire | Auto Repair | Steel Structure | Equipment ect.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

Square Size (inch)	1/2"
Rated Voltage (V)	20
Motor Type	Brushless DC
No-Load Speed (RPM)	2500/2000/1500
Impact Per Minute (IPM)	2700/2200/1600
Max. Fastening Torque (Nm)	900
Nut Busting Torque (Nm)	1180
Net Weight (Kg)	1.75
L*W*H Without Battery (mm)	170×76×217



T1S Lightweight Smart Impact Wrench

Max. Fastening Torque
380Nm

Body Smaller
20%

Weight Lighter
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L*W*H Without Battery (mm)	124×66×208



T2S

1/2" Mid-Torque Impact Wrench

Application Tire | Auto Repair | Steel Structure | Equipment ect.



- Smart control, Stop when tightened
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- Brushless motor, strong power
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- LED shadowless lighting, no fear of obstruction

Square Size (inch)	1/2"
Rated Voltage (V)	20
Motor Type	Brushless DC
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Max. Fastening Torque (Nm)	900
Nut Busting Torque (Nm)	1180
Net Weight (Kg)	1.75
L*W*H Without Battery (mm)	170×76×217





Just Do It.

Fastening • Impact Wrenches

T1

Compact
Impact Wrench



“ Small Body,
Hercules ”

Although it is small, it has amazing explosive power like a Hercules . It can easily handle narrow spaces and apply force accurately. Every rotation is a brave challenge to traditional constraints. It is a nimble dancer on the scaffolding, a hidden force in the mechanical repair industry, an efficiency star in the auto repair workshop, and a capable assistant on the factory production line.



T2

Mid- Torque
Impact Wrench



“ Tire Service,
the Best ”

It is a star product in the auto repair industry, a must-have for every tire brother, and a reliable choice for steel structure reinforcement and heavy equipment maintenance. Its precisely controlled medium torque output ensures that the operation is fast and safe, making every operation as smooth as flowing water.



T3

High Torque
Impact Wrench



“ The 1/2" Impact Wrench,
KING ”

T3 is not only the pinnacle of power, but also the synonym of efficiency. Whether it is giant bolts in the field of auto repair or heavy parts of construction machinery, T3 can easily break down all resistance with its thunderous force. Its excellent performance and stability make it a reliable assistant for professionals. Choosing T3 means choosing a double feast of power and efficiency.



	Square Size	No Load Speed(RPM)	Impact Per Minute(IPM)	Max. Fastening Torque (Nm)	Nut Busting Torque(Nm)	Weight Without Battery(Kg)	L*W*H Without Battery(mm)
T1	1/2"	2700/2200/1700	3700/3000/2300	580	780	1.20	133*76*211
T2	1/2"	2500/2000 /1500	2700/2200 /1600	900	1180	1.85	170*76*228
T3	1/2"	1800/1500/1000	2300/1800/1400	1200	1880	2.90	206*85*231

T2

1/2" Mid-Torque Impact Wrench

Application Tire | Auto Repair | Steel Structure | Equipment ect.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T2	T2-40D	T2-60D
Battery	—	4.0Ahx2	6.0Ahx2
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	2500/2000 /1500	2500/2000 /1500	2500/2000 /1500
Impact Per Minute (IPM)	2700/2200 /1600	2700/2200 /1600	2700/2200 /1600
Max. Fastening Torque (Nm)	900	900	900
Nut Busting Torque (Nm)	1180	1180	1180
Weight (Kg)	1.85	3.20	3.75
Size L*W*H (mm)	170x76x228	170x76x277	170x76x297

Tire Service, the Best



T1

1/2" Compact Impact Wrench

Application Scaffolding | Machine Repair | Auto Repair | Factory etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T1	T1-40D	T1-60
Battery	—	4.0Ah×2	6.0Ah×1
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	2700/2200/1700	2700/2200/1700	2700/2200/1700
Impact Per Minute (IPM)	3700/3000/2300	3700/3000/2300	3700/3000/2300
Max. Fastening Torque (Nm)	580	580	580
Nut Busting Torque (Nm)	780	780	780
Weight (Kg)	1.20	2.55	2.15
Size L*W*H (mm)	133x76x211	133x76x261	133x76x280

Small Body, Hercules





Just Do It.

Fastening • Impact Wrenches

T1

Compact
Impact Wrench



“ Small Body,
Hercules ”

Although it is small, it has amazing explosive power like a Hercules . It can easily handle narrow spaces and apply force accurately. Every rotation is a brave challenge to traditional constraints. It is a nimble dancer on the scaffolding, a hidden force in the mechanical repair industry, an efficiency star in the auto repair workshop, and a capable assistant on the factory production line.



T2

Mid- Torque
Impact Wrench



“ Tire Service,
the Best ”

It is a star product in the auto repair industry, a must-have for every tire brother, and a reliable choice for steel structure reinforcement and heavy equipment maintenance. Its precisely controlled medium torque output ensures that the operation is fast and safe, making every operation as smooth as flowing water.



T3

High Torque
Impact Wrench



“ The 1/2" Impact Wrench,
KING ”

T3 is not only the pinnacle of power, but also the synonym of efficiency. Whether it is giant bolts in the field of auto repair or heavy parts of construction machinery, T3 can easily break down all resistance with its thunderous force. Its excellent performance and stability make it a reliable assistant for professionals. Choosing T3 means choosing a double feast of power and efficiency.



	Square Size	No Load Speed(RPM)	Impact Per Minute(IPM)	Max. Fastening Torque (Nm)	Nut Busting Torque(Nm)	Weight Without Battery(Kg)	L*W*H Without Battery(mm)
T1	1/2"	2700/2200/1700	3700/3000/2300	580	780	1.20	133*76*211
T2	1/2"	2500/2000 /1500	2700/2200 /1600	900	1180	1.85	170*76*228
T3	1/2"	1800/1500/1000	2300/1800/1400	1200	1880	2.90	206*85*231

T2

1/2" Mid-Torque Impact Wrench

Application Tire | Auto Repair | Steel Structure | Equipment ect.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T2	T2-40D	T2-60D
Battery	—	4.0Ahx2	6.0Ahx2
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	2500/2000 /1500	2500/2000 /1500	2500/2000 /1500
Impact Per Minute (IPM)	2700/2200 /1600	2700/2200 /1600	2700/2200 /1600
Max. Fastening Torque (Nm)	900	900	900
Nut Busting Torque (Nm)	1180	1180	1180
Weight (Kg)	1.85	3.20	3.75
Size L*W*H (mm)	170x76x228	170x76x277	170x76x297

Tire Service, the Best



T1

1/2" Compact Impact Wrench

Application Scaffolding | Machine Repair | Auto Repair | Factory etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T1	T1-40D	T1-60
Battery	—	4.0Ah×2	6.0Ah×1
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	2700/2200/1700	2700/2200/1700	2700/2200/1700
Impact Per Minute (IPM)	3700/3000/2300	3700/3000/2300	3700/3000/2300
Max. Fastening Torque (Nm)	580	580	580
Nut Busting Torque (Nm)	780	780	780
Weight (Kg)	1.20	2.55	2.15
Size L*W*H (mm)	133x76x211	133x76x261	133x76x280

Small Body, Hercules



T3

1/2" High-Torque Impact Wrench

Application Auto Repair | Construction Machinery | Equipment | Electricity etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T3	T3-40D	T3-60D
Battery	—	4.0Ahx2	6.0Ahx2
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	1800/1500/1000	1800/1500/1000	1800/1500/1000
Impact Per Minute (IPM)	2300/1800/1400	2300/1800/1400	2300/1800/1400
Max. Fastening Torque (Nm)	1200	1200	1200
Nut Busting Torque (Nm)	1880	1880	1880
Weight (Kg)	2.90	4.25	4.75
Size L*W*H (mm)	206x85x231	206x85x281	206x85x300

The 1/2" Impact Wrench KING



T5

3/4" High-Torque Impact Wrench

Application Light Truck | Construction Machinery | Electricity | Railway etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T5	T5-80D
Battery	无	8.0Ahx2
Charger	无	2.5A×1
Square Size (Inch)	3/4"	3/4"
Rated Voltage (V)	20	20
No-Load Speed (RPM)	1900/1500/1100	1900/1500/1100
Impact Per Minute (IPM)	2400/1900/1400	2400/1900/1400
Max. Fastening Torque (Nm)	2100	2100
Nut Busting Torque (Nm)	2400	2400
Weight (Kg)	3.45	5.45
Size L*W*H (mm)	215x92x235	215x92x292



T4

3/4" High-Torque Impact Wrench

Application Auto Repair | Construction Machinery | Equipment | Electricity etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Industry-leading battery cells, longer battery life
- LED shadowless lighting, no fear of obstruction

	T4	T4-40D	T4-60D	T4-80D
Battery	—	4.0Ahx2	6.0Ahx2	8.0Ahx2
Charger	—	2.5A×1	2.5A×1	2.5A×1
Square Size (Inch)	3/4"	3/4"	3/4"	3/4"
Rated Voltage (V)	20	20	20	20
No-Load Speed (RPM)	1800/1500/1000	1800/1500/1000	1800/1500/1000	1800/1500/1000
Impact Per Minute (IPM)	2300/1800/1400	2300/1800/1400	2300/1800/1400	2300/1800/1400
Max. Fastening Torque (Nm)	1300	1300	1300	1300
Nut Busting Torque (Nm)	1980	1980	1980	1980
Weight (Kg)	2.95	4.30	4.80	4.90
Size L*W*H (mm)	213x85x231	213x85x281	213x85x300	213x85x288



T6

1" High-Torque Impact Wrench

Application Light Truck | Construction Machinery | Electricity | Railway etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T6	T6-80D
Battery	无	8.0Ahx2
Charger	无	2.5A×1
Square Size(Inch)	1"	1"
Rated Voltage (V)	20	20
No-Load Speed (RPM)	1900/1500/1100	1900/1500/1100
Impact Per Minute (IPM)	2400/1900/1400	2400/1900/1400
Max. Fastening Torque (Nm)	2200	2200
Nut Busting Torque (Nm)	2500	2500
Weight (Kg)	3.60	5.60
Size L*W*H (mm)	225x92x235	225x92x292



T3

1/2" High-Torque Impact Wrench

Application Auto Repair | Construction Machinery | Equipment | Electricity etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T3	T3-40D	T3-60D
Battery	—	4.0Ahx2	6.0Ahx2
Charger	—	2.5A×1	2.5A×1
Square Size (Inch)	1/2"	1/2"	1/2"
Rated Voltage (V)	20	20	20
No-Load Speed (RPM)	1800/1500/1000	1800/1500/1000	1800/1500/1000
Impact Per Minute (IPM)	2300/1800/1400	2300/1800/1400	2300/1800/1400
Max. Fastening Torque (Nm)	1200	1200	1200
Nut Busting Torque (Nm)	1880	1880	1880
Weight (Kg)	2.90	4.25	4.75
Size L*W*H (mm)	206x85x231	206x85x281	206x85x300

The 1/2" Impact Wrench KING



T5

3/4" High-Torque Impact Wrench

Application Light Truck | Construction Machinery | Electricity | Railway etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T5	T5-80D
Battery	无	8.0Ahx2
Charger	无	2.5A×1
Square Size (Inch)	3/4"	3/4"
Rated Voltage (V)	20	20
No-Load Speed (RPM)	1900/1500/1100	1900/1500/1100
Impact Per Minute (IPM)	2400/1900/1400	2400/1900/1400
Max. Fastening Torque (Nm)	2100	2100
Nut Busting Torque (Nm)	2400	2400
Weight (Kg)	3.45	5.45
Size L*W*H (mm)	215x92x235	215x92x292



T4

3/4" High-Torque Impact Wrench

Application Auto Repair | Construction Machinery | Equipment | Electricity etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Industry-leading battery cells, longer battery life
- LED shadowless lighting, no fear of obstruction

	T4	T4-40D	T4-60D	T4-80D
Battery	—	4.0Ahx2	6.0Ahx2	8.0Ahx2
Charger	—	2.5A×1	2.5A×1	2.5A×1
Square Size (Inch)	3/4"	3/4"	3/4"	3/4"
Rated Voltage (V)	20	20	20	20
No-Load Speed (RPM)	1800/1500/1000	1800/1500/1000	1800/1500/1000	1800/1500/1000
Impact Per Minute (IPM)	2300/1800/1400	2300/1800/1400	2300/1800/1400	2300/1800/1400
Max. Fastening Torque (Nm)	1300	1300	1300	1300
Nut Busting Torque (Nm)	1980	1980	1980	1980
Weight (Kg)	2.95	4.30	4.80	4.90
Size L*W*H (mm)	213x85x231	213x85x281	213x85x300	213x85x288



T6

1" High-Torque Impact Wrench

Application Light Truck | Construction Machinery | Electricity | Railway etc.



- Smart control, Stop when tightened
- Forward and reverse mode, three gears to switch at will
- Brushless motor, strong power
- Top battery cells in the industry, longer battery life
- LED shadowless lighting, no fear of obstruction

	T6	T6-80D
Battery	无	8.0Ahx2
Charger	无	2.5A×1
Square Size(Inch)	1"	1"
Rated Voltage (V)	20	20
No-Load Speed (RPM)	1900/1500/1100	1900/1500/1100
Impact Per Minute (IPM)	2400/1900/1400	2400/1900/1400
Max. Fastening Torque (Nm)	2200	2200
Nut Busting Torque (Nm)	2500	2500
Weight (Kg)	3.60	5.60
Size L*W*H (mm)	225x92x235	225x92x292

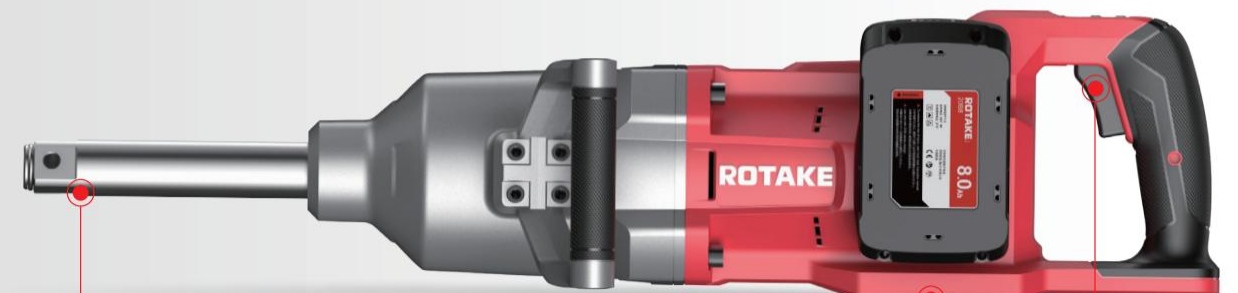


ROTAKE®

Redefining
Industrial Power

Only 10.5Kg *Lightweight*

4000 N.m
Heavy Duty Power



**Max. Nut-busting Torque
Up to 4000Nm**

Power comparable to 1" pneumatic
impact products

For Truck and Industrial Applications

Wireless force, flexible utilization

Easy Operation, Smart Control

2-speed control + Smart automatic stop,
one-button forward and reverse

**Dual Battery Packs Provide
Longer Life**

Save working time and increase efficiency



Switching Infinitely
Variable Speed



IPX5
Waterproof Design



Overload Protection
for Mainframe

Easy Control of Forward and Reverse

One-button control of forward and reverse mode,
easy to change the operating requirements



**Battery Pack Cushioning &
Vibration Damping Structure**

Extends the life of the battery pack
on the mainframe

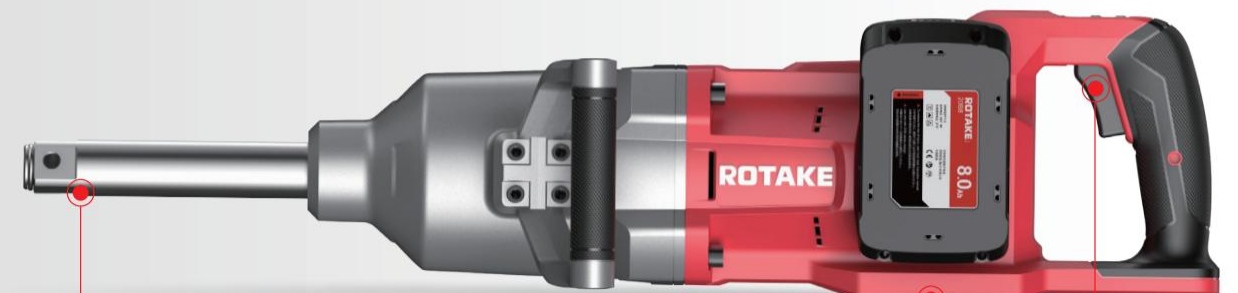


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**Battery Pack Cushioning &
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Extends the life of the battery pack
on the mainframe



T9

1" High Torque Impact Wrench

Application Tire Change | Industrial Machinery | Heavy Truck Maintenance
Large-scale Construction | Mining | Road and Bridge Construction etc.



- The most powerful cordless impact wrench, the max. nut-busting torque up to 4000Nm
- Efficient and energy-saving, brushless DC motor
- High-quality long shaft for tougher use
- Long endurance, dual battery packs provide stable power
- High quality bearings for durability
- 2-speed control + smart automatic stop, smart operation is more efficient
- Dual handle design for more comfortable grip

Square Size (inch)	1"
Rated Voltage (V)	40
Motor Type	Brushless DC
No Load Speed (RPM)	1100/900/700
Impact Per Minute (IPM)	1600/1300/1000
Max. Fastening Torque (Nm)	3200
Max. Nut Busting torque (Nm)	4000
Weight without Battery (Kg)	10.50
L*W*H Without Battery (mm)	650×138×158



T9S

1" High Torque Impact Wrench

Application Tire Change | Industrial Machinery | Heavy Truck Maintenance
Large-scale Construction | Mining | Road and Bridge Construction etc.



- The most powerful cordless impact wrench, the max. nut-busting torque up to 4000Nm
- Efficient and energy-saving, brushless DC motor
- Long endurance, dual battery packs provide stable power
- High quality bearings for durability
- 2-speed control+ smart automatic stop, smart operation is more efficient
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Square Size (inch)	1"
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Motor Type	Brushless DC
No Load Speed (RPM)	1100/900/700
Impact Per Minute (IPM)	1600/1300/1000
Max. Fastening Torque (Nm)	3200
Max. Nut Busting torque (Nm)	4000
Weight without Battery (Kg)	9.80
L*W*H Without Battery (mm)	540×138×158



Easily remove and tighten heavy-duty nuts, Designed for high-intensity tasks

ROTAKE 1" Ultra Powerful Smart Impact Wrench skillfully combines the long life of Li-ion battery and precise control of power wrench. With its extraordinary power as the core, not only rivals the excellent torque output of traditional pneumatic tools, but also achieves a qualitative leap in flexibility and portability. It is designed to meet the diverse repair needs of construction machinery, industrial equipment maintenance, heavy trucks, coaches and complex railroad systems, and is your industrial efficiency accelerator.

Construction Machinery

Heavy Trucks

Railroad Mechanics

Industrial Equipment
Maintenance

ROTAKE®

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Construction Machinery

Heavy Trucks

Railroad Mechanics

Industrial Equipment
Maintenance

ROTAKE®

ROTAKE®

Ratchet
Wrenches

- The Combination of power and speed provides solutions for automobil manufacturing and maintenance
- Compact head desgin,convenient for working in small spaces



R1S
3/8" Ratchet Wrench

Application Auto Repair | Truss Assembly | Mechanical Maintenance
Steel Frame Construction | Shelf Disassembly etc.



- The combination of power and speed provides solutions for automobile manufacturing and maintenance
- Compact head design, convenient for working in small spaces
- LED lighting to illuminate the work area
- Reinforced mechanical structure, one-piece cast steel head shell

Square Size (inch)	3/8"
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	350
Max. Torque (Nm)	75
Net Weight (Kg)	0.95
L*W*H Without Battery (mm)	300×51×72



R1
3/8" Extended Ratchet Wrench

Application Auto Repair | Truss Assembly | Mechanical Maintenance
Steel Frame Construction | Shelf Disassembly etc.



- The combination of power and speed provides solutions for automobile manufacturing and maintenance
- The shaft length is extended by 106mm and the compact head design facilitates working in small spaces
- LED lighting to illuminate the work area
- Reinforced mechanical structure, one-piece cast steel head shell

Square Size (inch)	3/8"
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	350
Max. Torque (Nm)	75
Net Weight (Kg)	1.05
L*W*H Without Battery (mm)	405×51×72



ROTAKE®

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Wrenches



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2601
3/8" Ratchet Wrench

Application Auto Repair | Truss Assembly | Mechanical maintenance | Steel fram construction | shelf disassembly etc.



- Compact head desgin,convenient for working in small spaces
- LED lighting to illuminate the work area
- Smart battery indicator, keep abreast of battery status at any time
- One-click lock, easy to operate
- Variable speed switch, flexible switching of work requirements

Square Size (inch)	3/8"
Rated Voltage (V)	12
Motor Type	Brush DC
No-load Speed (RPM)	280
Max. Torque (Nm)	40
Net Weight (Kg)	0.72
L*W*H Without Battery (mm)	270×48×61



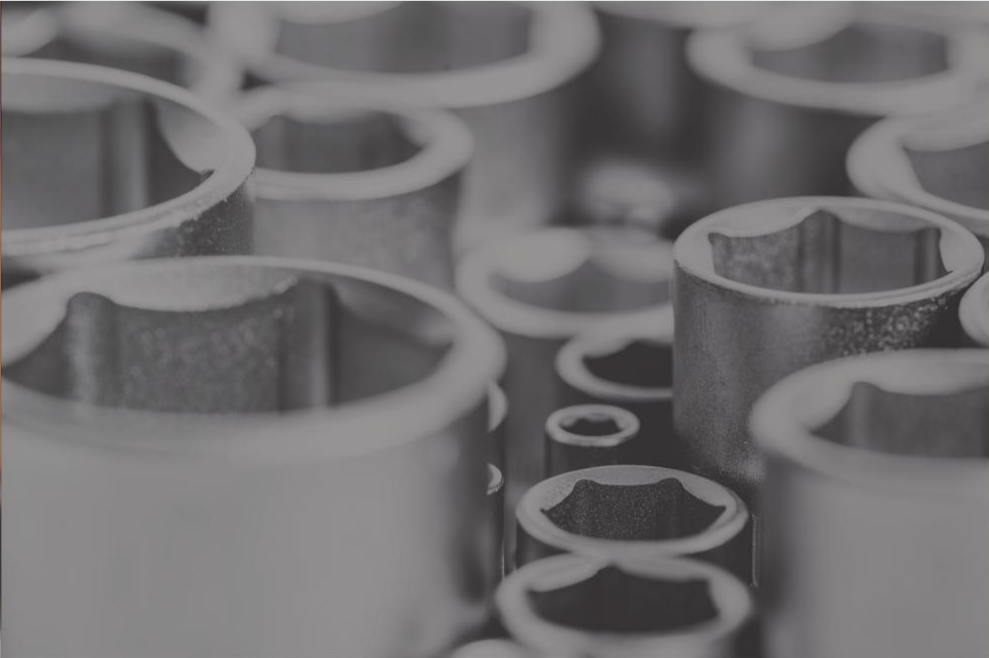
2602
3/8" Exrended Ratchet Wrench

Application Auto Repair | Truss Assembly | Mechanical maintenance | Steel fram construction | shelf disassembly etc.



- LED lighting to illuminate the work area
- Smart battery indicator, keep abreast of battery status at any time
- One-click lock, easy to operate
- Variable speed switch, flexible switching of work requirements

Square Size (inch)	3/8"
Rated Voltage (V)	12
Motor Type	Brush DC
No-load Speed (RPM)	280
Max. Torque (Nm)	40
Net Weight (Kg)	1.00
L*W*H Without Battery (mm)	363×48×61



• Precision control in small spaces

2601
3/8" Ratchet Wrench

Application Auto Repair | Truss Assembly | Mechanical maintenance | Steel fram construction | shelf disassembly etc.



- Compact head desgin,convenient for working in small spaces
- LED lighting to illuminate the work area
- Smart battery indicator, keep abreast of battery status at any time
- One-click lock, easy to operate
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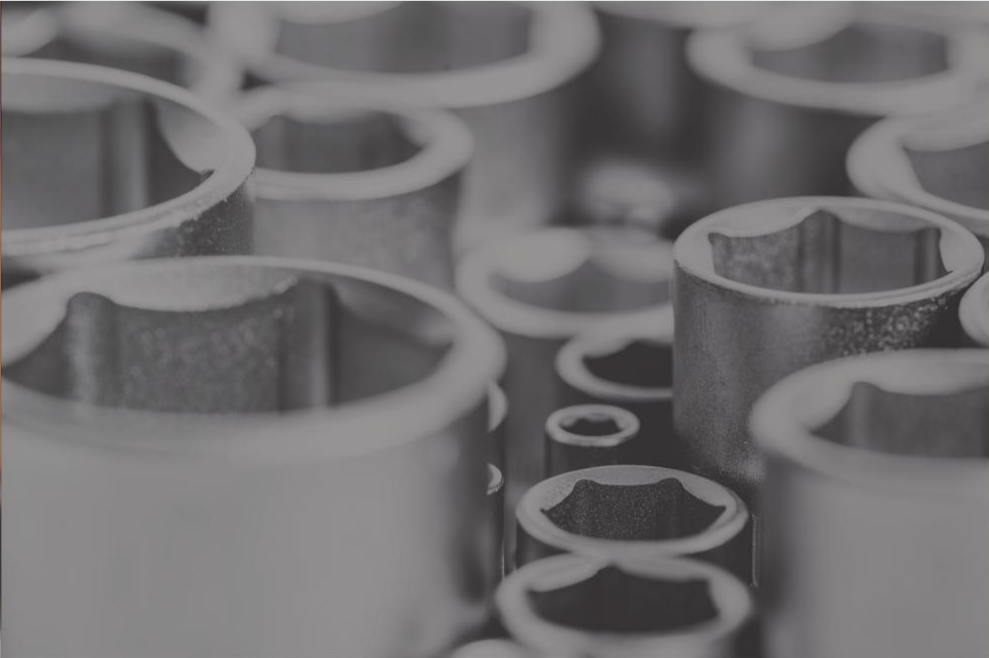
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Max. Torque (Nm)	40
Net Weight (Kg)	1.00
L*W*H Without Battery (mm)	363×48×61



• Precision control in small spaces

ROTAKE®

Impact Drivers

- Compact, professional screw driving
- Multi-stage with smart auto-stop detection



S11
1/4" Hex Impact Driver

Application Furniture Assembly | Auto Repair | Mechanical Repair | Electrical Repair etc.



- Compact and powerful, professional screw driver
- 3-speed control, equipped with smart screw self-stop
- 180Nm maximum tightening torque
- Powerful motor, improved durability

Chuck Size (inch)	1/4" HEX
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	3900/3200/2100
Impact Frequency (IPM)	4400/3600/2400
Max. Torque (Nm)	180
Net Weight (Kg)	0.75
L*W*H Without Battery (mm)	125×55×202



S1
1/4" Hex Impact Driver

Application Scaffolding | Machine Repair | Auto Repair | Factory | Furniture Assembly etc.



- 113mm compact body, easy to operate in small spaces
- 3-speed control, equipped with smart screw self-stop
- 260Nm maximum tightening torque
- Ergonomic design handle

Chuck Size (inch)	1/4" HEX
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	3900/3100/1700
Impact Frequency (IPM)	4900/3800/2200
Max. Torque (Nm)	260
Net Weight (Kg)	1.05
L*W*H Without Battery (mm)	113×76×207



ROTAKE®

Impact Drivers

- Compact, professional screw driving
- Multi-stage with smart auto-stop detection



S11
1/4" Hex Impact Driver

Application Furniture Assembly | Auto Repair | Mechanical Repair | Electrical Repair etc.



- Compact and powerful, professional screw driver
- 3-speed control, equipped with smart screw self-stop
- 180Nm maximum tightening torque
- Powerful motor, improved durability

Chuck Size (inch)	1/4" HEX
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	3900/3200/2100
Impact Frequency (IPM)	4400/3600/2400
Max. Torque (Nm)	180
Net Weight (Kg)	0.75
L*W*H Without Battery (mm)	125×55×202



S1
1/4" Hex Impact Driver

Application Scaffolding | Machine Repair | Auto Repair | Factory | Furniture Assembly etc.



- 113mm compact body, easy to operate in small spaces
- 3-speed control, equipped with smart screw self-stop
- 260Nm maximum tightening torque
- Ergonomic design handle

Chuck Size (inch)	1/4" HEX
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	3900/3100/1700
Impact Frequency (IPM)	4900/3800/2200
Max. Torque (Nm)	260
Net Weight (Kg)	1.05
L*W*H Without Battery (mm)	113×76×207



ROTAKE®

Driver Drills



- Multiple uses, high and low dual speed, easy to deal with multiple applications
- 20+1 torque settings, application-optimized settings.

D11

1/2" Driver Drills

Application Wood Drilling | Steel Drilling | Tile Drilling
Furniture Installation & Disassembly etc.



- One machine for multiple uses: home decoration, repair etc.,
- Industrial-grade metal chuck, long-term use without drill falling
- High and low dual speeds, easy to deal with multiple scenarios
- 20+1 torque settings, easy to impact drilling
- 142mm compact body, suitable for small space operations
- Forward and reverse can be easily switched with one button



Chuck Size (mm)	13
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	500/1600
Max. Torque (Nm)	60
Max. Drilling Capacity – Wood (mm)	35
Max. Drilling Capacity – Steel (mm)	13
Max. Drilling Capacity – Concrete (mm)	N/A
Impact Per Minute (IPM)	N/A
Net Weight of Bare Machine (Kg)	0.99
L*W*H Without Battery (mm)	142×59×216

D1

1/2" Driver Drills

Application Screw Tightening | Steel Drilling | Wood Drilling | Tile Drilling etc.



- Powerful force, strong impact, one machine for multiple uses
- Industrial-grade metal chuck, long-term use without drill falling
- High and low dual speeds, easy to deal with multiple scenarios
- 20+1 torque settings, easy to impact drilling
- Variable speed switch, forward and reverse can be easily switched with one button



Chuck Size (mm)	13
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	500/1700
Max. Torque (Nm)	70
Max. Drilling Capacity – Wood (mm)	40
Max. Drilling Capacity – Steel (mm)	13
Max. Drilling Capacity – Concrete (mm)	N/A
Impact Per Minute (IPM)	N/A
Net Weight of Bare Machine (Kg)	1.05
L*W*H Without Battery (mm)	146×76×206

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D11

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Net Weight of Bare Machine (Kg)	1.05
L*W*H Without Battery (mm)	146×76×206

ROTAKE®

Hammer Drills



- Rotake's new generation of brushless motors provide longer motor life and more power.
- The new gearbox design provides more power in a smaller size, and the drilling efficiency is 30% higher than the previous generation.
- The fully black-oxidized metal chuck improves corrosion resistance in harsh environments.

Smart Speed Control

Efficient Drilling & Screwing

New Gearbox Design

smaller size provides stronger power, drilling efficiency increased by 30%

30%

Industrial Durable Metal Self-locking Chuck

Chucking range: 1.5-13mm, drop-resistant and durable

Electronic Anti-twisting Function

Stop immediately in case of emergency, reducing the risk of sprains

Drilling

Screwing

Impacting

Upgraded Sensored Brushless Motor + Constant Speed Control

Constant speed makes drilling more efficient

20+2 Torque Setting: Adapt to Different Working Conditions

High-speed setting can easily handle high-torque toughening operations, smoothly without jamming.

ROTAKE®

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D11H

1/2" Hammer Drill

Application Wood Drilling | Steel Drilling | Tile Drilling
Furniture Installation & Disassembly etc.

CSC BRUSHLESS MOTOR

- One machine for multiple uses: home decoration, repair etc.,
- Industrial-grade metal chuck, long-term use without drill falling
- High and low dual speeds, easy to deal with multiple scenarios
- 20+2 torque settings, easy to impact drilling
- 154mm compact body, suitable for small space operations
- Forward and reverse can be easily switched with one button

Chuck Size (mm)	13
Rated Voltage (V)	16
Motor Type	Brushless DC
No-load Speed (RPM)	450/1600
Max. Torque (Nm)	60
Max. Drilling Capacity – Wood (mm)	35
Max. Drilling Capacity – Steel (mm)	13
Max. Drilling Capacity – Concrete (mm)	13
Impact Per Minute (IPM)	7500/24000
Net Weight of Bare Machine (Kg)	1.09
L*W*H without battery (mm)	154×59×219



D2H

1/2" Hammer Drill

Application Wood Drilling | Steel Drilling | Tile Drilling
Furniture Installation & Disassembly etc.

RFC CSC BRUSHLESS MOTOR

- Powerful force, strong impact, expert in wall drilling
- Industrial-grade metal chuck, long-term use without drill falling
- High and low dual speeds, easy to deal with multiple scenarios.
- 20+2 torque settings, easy to impact drilling
- Variable speed switch, forward and reverse can be easily switched with one button
- Class A high capacity battery, longer battery life

Chuck Size (mm)	13
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	500/2200
Max. Torque (Nm)	120
Max. Drilling Capacity – Wood (mm)	40
Max. Drilling Capacity – Steel (mm)	13
Max. Drilling Capacity – Concrete (mm)	13
Impact Per Minute (IPM)	9500/40000
Net Weight of Bare Machine (Kg)	1.40
L*W*H without battery (mm)	184×76×208



D1H

1/2" Hammer Drill

Application Screw Tightening | Steel Drilling | Wood Drilling | Tile Drilling etc.

CSC BRUSHLESS MOTOR

- Powerful force, strong impact, one machine for multiple uses
- Industrial-grade metal chuck, long-term use without drill falling
- High and low dual speeds, easy to deal with multiple scenarios
- 20+2 torque settings, easy to impact drilling
- Variable speed switch, forward and reverse can be easily switched with one button

Chuck Size (mm)	13
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	500/1700
Max. Torque (Nm)	70
Max. Drilling Capacity – Wood (mm)	40
Max. Drilling Capacity – Steel (mm)	13
Max. Drilling Capacity – Concrete (mm)	13
Impact Per Minute (IPM)	8250/25500
Net Weight of Bare Machine (Kg)	1.15
L*W*H without battery (mm)	158×76×206



D11H

1/2" Hammer Drill

Application Wood Drilling | Steel Drilling | Tile Drilling
Furniture Installation & Disassembly etc.

CSC BRUSHLESS MOTOR

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Max. Drilling Capacity – Concrete (mm)	13
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Net Weight of Bare Machine (Kg)	1.09
L*W*H without battery (mm)	154×59×219



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ROTAKE®

Rotary
Hammers



- Multiple uses, 4-Mode rotary selector, function selected as you like
- SDS-Plus Quick-Change chuck
- Electronic Clutch with Overload Protection

High-Efficiency Wall Drilling
with Powerful Performance

SDS-Plus Quick-Change Chuck
One push and insert can quickly replace the attachment, secure clamping ensures stable operation even under heavy impact

Large-Bore Cylinder
Double drilling efficiency

AVS
Reduce vibration for comfortable operation

Forward/Reverse Switch
Quickly resolves bit jamming

Variable Speed Trigger
Adjust speed by pressing the switch; sensitive button for easy operation

RFC
Electronic clutch with overload protection

LED Light
Reliable operation in the dark

4-Mode Rotary Selector
Chiseling Rotation / Hammering Only / Rotary Hammer / Drilling; select modes as needed

360° Rotating Auxiliary Handle
Adjustable for various working conditions

Chiseling Rotation Hammering Only Rotary Hammer Drilling

Electronic Clutch

The RFC safety control system automatically engages during bit jamming to prevent rotational kickback and protect wrists from injury.

DC Brushless Motor

High efficiency with low energy consumption, regular carbon brush maintenance or replacement is not needed.

ROTAKE®

Rotary
Hammers



- Multiple uses, 4-Mode rotary selector, function selected as you like
- SDS-Plus Quick-Change chuck
- Electronic Clutch with Overload Protection

High-Efficiency Wall Drilling
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Forward/Reverse Switch
Quickly resolves bit jamming

Variable Speed Trigger
Adjust speed by pressing the switch; sensitive button for easy operation

RFC
Electronic clutch with overload protection

LED Light
Reliable operation in the dark

4-Mode Rotary Selector
Chiseling Rotation / Hammering Only / Rotary Hammer / Drilling; select modes as needed

360° Rotating Auxiliary Handle
Adjustable for various working conditions

Chiseling Rotation Hammering Only Rotary Hammer Drilling

Electronic Clutch

The RFC safety control system automatically engages during bit jamming to prevent rotational kickback and protect wrists from injury.

DC Brushless Motor

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H1

22mm SDS-Plus Rotary Hammer

Application Construction | Renovation | Furniture Fabrication | Municipal Engineering | Utility Maintenance

RFC CSC BRUSHLESS MOTOR

- RFC electronic clutch safety protection
- AVS Anti-Vibration system for more comfortable operation
- 4-Mode rotary selector with high efficiency and multi-function
- SDS-Plus chuck for quick bit change and easy installation without falling

Rated Voltage (V)	20
Impact Energy (J)	2.0
No-Load Speed (RPM)	1380
Impact Rate (IPM)	5020
Max Drilling Diameter (mm)	Concrete 22 Metal 13 Wood 28
Optimal Drilling Range (mm)	6-12
Net Weight (Kg)	1.75
L*W*H Without Battery (mm)	270x76x175



8902

26mm SDS-Plus Rotary Hammer

Application Construction | Renovation | Furniture Fabrication | Municipal Engineering | Utility Maintenance

BRUSHLESS MOTOR

- 4-Mode rotary selector with high efficiency and multi-function
- Forward/reverse switch quickly resolves bit jamming
- Variable speed trigger with sensitive button for easy operation
- SDS-Plus Chuck for quick bit change and easy installation without falling
- LED lights clearly illuminate dark workspace

Rated Voltage (V)	20
Impact Energy (J)	2.6
No-Load Speed (RPM)	1200
Impact Rate (IPM)	4400
Max Drilling Diameter (mm)	Concrete 26 Metal 13 Wood 30
Optimal Drilling Range (mm)	6-16
Net Weight (Kg)	2.30
L*W*H Without Battery (mm)	395x80x190



8901

22mm SDS-Plus Rotary Hammer

Application Construction | Renovation | Furniture Fabrication | Municipal Engineering | Utility Maintenance

BRUSHLESS MOTOR

- 4-Mode rotary selector with high efficiency and multi-function
- Forward/reverse switch quickly resolves bit jamming
- Variable speed trigger with sensitive button for easy operation
- SDS-Plus Chuck for quick bit change and easy installation without falling
- LED lights clearly illuminate dark workspace

Rated Voltage (V)	20
Impact Energy (J)	1.7
No-Load Speed (RPM)	1180
Impact Rate (IPM)	4200
Max Drilling Diameter (mm)	Concrete 22 Metal 13 Wood 28
Optimal Drilling Range (mm)	6-12
Net Weight (Kg)	1.85
L*W*H Without Battery (mm)	286x83x197



8903

28mm SDS-Plus Rotary Hammer

Application Construction | Renovation | Furniture Fabrication | Municipal Engineering | Utility Maintenance

BRUSHLESS MOTOR

- 4-Mode rotary selector with high efficiency and mult
- Forward/reverse switch quickly resolves bit jamming
- Variable speed trigger with sensitive button for easy
- SDS-Plus Chuck for quick bit change and easy install
- LED lights clearly illuminate dark workspace

Rated Voltage (V)	20
Impact Energy (J)	3.0
No-Load Speed (RPM)	1250
Impact Rate (IPM)	4600
Max Drilling Diameter (mm)	Concrete 28 Metal 13 Wood 30
Optimal Drilling Range (mm)	6-18
Net Weight (Kg)	2.50
L*W*H Without Battery (mm)	400x80x190



H1

22mm SDS-Plus Rotary Hammer

Application Construction | Renovation | Furniture Fabrication | Municipal Engineering | Utility Maintenance

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8902

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ROTAKE®

Industrial Braking Angle Grinders

- Suitable for cutting, metal processing, ceramic tile decoration, industrial construction, auto maintenance etc., with rich application scenarios
- Shock-resistant side handle to reduce vibration
- With anti-recoil protection, restart protection and overload protection system
- Electronic brake, quick stop
- 800W maximum output power, comparable to AC tools

Electronic Brake
Quick stop

Double Protection
Protection Switch + Restart Protection

135mm Slim Handle
Long-lasting work without tiring your hands

800W Maximum Output Power
Comparable to AC tools



Soft Start
The grinding disc starts from slow to fast speed and reaches the highest speed to avoid slipping due to sudden start.



Restart Protection
When the switch is on, the machine will not start after inserting the battery and needs to be turned on again to be used normally.



Anti-recoil Protection
When the cutting disc gets stuck, it effectively prevents the machine from kicking back.



Overload Protection
When the operation exceeds the safety limit, the machine stops.

G1-100 100mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

RFC    

- High-strength body, ultra-thin and heat-resistant and high-temperature resistant
- Auxiliary handle for stable operation
- Long battery life, high efficiency
- 800W maximum output power, efficient and powerful
- Soft start to avoid losing hands
- 135mm slim handle, balance center without tiring hands



Spindle Size (mm)	M10
Grinding/Slicing Diameter (mm)	100
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (rpm)	9500
Max. Cutting Depth (mm)	21
Bare Metal Net Weight (Kg)	1.58
L*W*H Without Battery (mm)	296×118×125



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Electronic Brake
Quick stop

Double Protection
Protection Switch + Restart Protection

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Comparable to AC tools



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G1-100 100mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

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Spindle Size (mm)	M10
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Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (rpm)	9500
Max. Cutting Depth (mm)	21
Bare Metal Net Weight (Kg)	1.58
L*W*H Without Battery (mm)	296×118×125

G1-115
115mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

RFC **BRUSHLESS MOTOR** 

- High-strength body, ultra-thin and heat-resistant and high-temperature resistant
- Auxiliary handle for stable operation
- Long battery life, high efficiency
- 800W maximum output power, efficient and powerful
- Soft start to avoid losing hands
- 135mm slim handle, balance center without tiring hands



Spindle Size (mm)	M14
Grinding/Slicing Diameter (mm)	115
Rated Votage (V)	20
Motor Type	Brushless DC
No-load Speed (rpm)	9500
Max. Cutting Depth (mm)	28
Bare Metal Net Weight (Kg)	1.69
L*W*H Without Battery (mm)	296×130×125

8406
1/4" Die Grinder

Application Metalworking | Automotive Repair | Construction Engineering

BRUSHLESS MOTOR 

- Brushless motor, multi-protection controller ensures stable operation
- Dust-resistant construction for extended service life
- Ultra-quiet, low vibration
- 4-speed constant control for efficient operation
- Small body, ergonomic design



Rated voltage (V)	20
Speed (RPM)	8000-27000
Motor Type	Brushless DC
Speed Mode	4
Max. Grinding Wheel Dia. (mm)	55
Max. Collet Size (mm)	6
Net weight (Kg)	1.45
L*W*H Without Battery (mm)	398×73×90

G1-125
125mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

RFC **BRUSHLESS MOTOR** 

- High-strength body, ultra-thin and heat-resistant and high-temperature resistant
- Auxiliary handle for stable operation
- Long battery life, high efficiency
- 800W maximum output power, efficient and powerful
- Soft start to avoid losing hands
- 135mm slim handle, balance center without tiring hands



Spindle Size (mm)	M14
Grinding/Slicing Diameter (mm)	125
Rated Votage (V)	20
Motor Type	Brushless DC
No-load Speed (rpm)	9500
Max. Cutting Depth (mm)	33
Bare Metal Net Weight (Kg)	1.70
L*W*H Without Battery (mm)	296×138×126

8407
Surface Conditioning Tool

Application Metalworking | Woodworking

BRUSHLESS MOTOR 

- Brushless motor, multi-protection controller ensures stable operation
- Dust-resistant construction for extended service life
- Ultra-quiet, low vibration
- 4-speed constant control for efficient operation
- Small body, ergonomic design



Rated Voltage (v)	20
Speed (RPM)	1000-3500
Motor Type	Brushless DC
Speed Mode	4
Wheel Size (mm)	100×115
Net Weight (kg)	3.10
L*W*H Without Battery (mm)	418×170×157

G1-115
115mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

RFC **BRUSHLESS MOTOR** 

- High-strength body, ultra-thin and heat-resistant and high-temperature resistant
- Auxiliary handle for stable operation
- Long battery life, high efficiency
- 800W maximum output power, efficient and powerful
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Rated voltage (V)	20
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Motor Type	Brushless DC
Speed Mode	4
Max. Grinding Wheel Dia. (mm)	55
Max. Collet Size (mm)	6
Net weight (Kg)	1.45
L*W*H Without Battery (mm)	398×73×90

G1-125
125mm Braking Angle Grinder

Application Cutting | Metalworking | Equipment Installation | Industrial Construction | Automotive Maintenance

RFC **BRUSHLESS MOTOR** 

- High-strength body, ultra-thin and heat-resistant and high-temperature resistant
- Auxiliary handle for stable operation
- Long battery life, high efficiency
- 800W maximum output power, efficient and powerful
- Soft start to avoid losing hands
- 135mm slim handle, balance center without tiring hands



Spindle Size (mm)	M14
Grinding/Slicing Diameter (mm)	125
Rated Votage (V)	20
Motor Type	Brushless DC
No-load Speed (rpm)	9500
Max. Cutting Depth (mm)	33
Bare Metal Net Weight (Kg)	1.70
L*W*H Without Battery (mm)	296×138×126

8407
Surface Conditioning Tool

Application Metalworking | Woodworking

BRUSHLESS MOTOR 

- Brushless motor, multi-protection controller ensures stable operation
- Dust-resistant construction for extended service life
- Ultra-quiet, low vibration
- 4-speed constant control for efficient operation
- Small body, ergonomic design



Rated Voltage (v)	20
Speed (RPM)	1000-3500
Motor Type	Brushless DC
Speed Mode	4
Wheel Size (mm)	100×115
Net Weight (kg)	3.10
L*W*H Without Battery (mm)	418×170×157



Polishers

- Constant speed function design with stable speed
- Soft start system ensures smooth polishing process
- Safe operation guaranteed, shaft and switch can be locked with one click

Constant speed and stability, fine grinding

Brushless motor

Brushless design, extending life and maintenance free

4 / 6 - speed control

meet the needs of different working conditions

Soft grip design

comfortable grip, shock-absorbing hand protector

One-click lock switch

prevent miscontact, keep safe operation

Constant speed function design

high working efficiency

Soft start system

effective protection of operator safety

Shaft lock function

to prevent accidental rotation during loading and unloading of the disc

8701
75mm Polisher

Application Auto Cosmetic | Furniture Manufacturing



- Ergonomic design, soft-grip handle for comfortable operation
- Clip design, easy to replace the disc
- 2-speed control

Wheel Size (mm)	75
Spindle Thread	M6
Rated Voltage(V)	20
Motor Type	Brushless DC
No-load Speed - Polishing (RPM)	0-2800
No-load Speed - Grinding (RPM)	0-8000
Net Weight (Kg)	0.88
L*W*H Without Battery (mm)	142×68×210





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8703
150mm Polisher

Application Auto Cosmetic | Furniture manufacturing | Stone processing



- Brushless motor for extended lifespan
- Shaft lock for easy disc replacement
- 6-speed control for versatile polishing

Wheel Size (mm)	150
Spindle Thread	M14
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed – polishing (RPM)	150–2300
Speed Mode	6
Net Weight (kg)	1.58
L*W*H Without Battery (mm)	433x78x123

8705
180mm Variable Speed Polisher

Application Auto Cosmetic | Furniture manufacturing | Stone processing



- Safety lock switch prevents accidental activation
- Ergonomic soft-grip handle with vibration damping
- 5-speed control for versatile polishing
- D-shaped handle for stability
- Dust cover included

Wheel Size (mm)	180
Spindle Thread	14
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	800–2800
Speed Mode	5
Net Weight (kg)	1.80
L*W*H Without Battery (mm)	420x100x75

8704
150mm Orbital Polisher

Application Auto Cosmetic | Furniture manufacturing | Stone processing



- Brushless motor for extended durability
- Shaft lock for quick pad changes
- 6-speed control for versatile polishing
- Eccentric motion for superior finish with foam pads

Wheel Size (mm)	150
Spindle Thread	M8
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	2400–4000
Orbit Diameter (mm)	15
Speed Mode	6
Net Weight (kg)	2.03
L*W*H Without Battery (mm)	433x125x137

8702
125mm Orbital Sander

Application Auto Cosmetic | Furniture manufacturing | Metalworking | Construction



- Brushless motor for robust performance
- 5-speed control for versatile usage
- Low vibration, high grinding and high dust extraction efficiency

Wheel Size (mm)	125
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	6000–12000
Speed Mode	6
Orbit Diameter (mm)	2.5
Net Weight (kg)	0.90
L*W*H Without Battery With Dust Port (mm)	170x140x120

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ROTAKE



Circular Saws

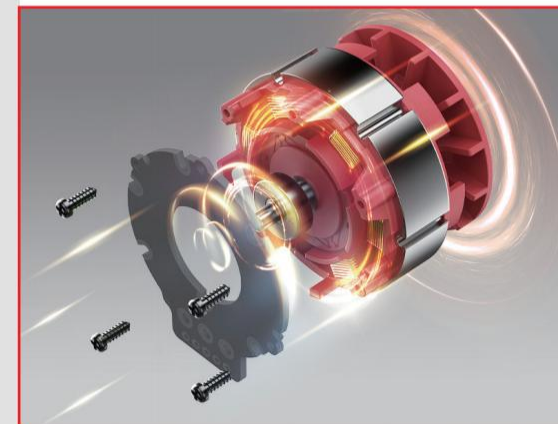
- Quick blade change for complex curves and straight cuts
- Variable speed control for precision cutting
- Lock-off switch for enhanced safety

Powerful Cutting, Efficient & Stable



High-performance

20V brushless motor delivers unmatched cutting speed



Deep-cut Capacity

68mm max depth in single pass, no re-cutting needed



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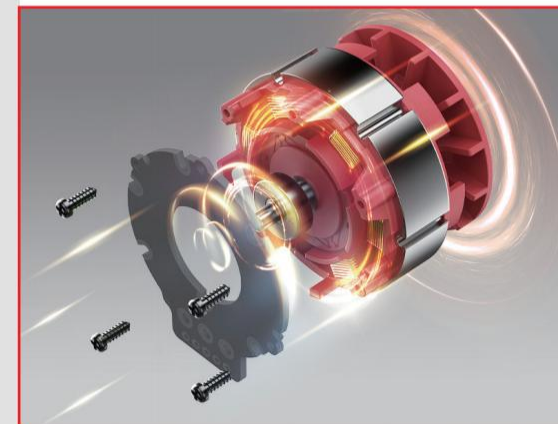
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Powerful Cutting, Efficient & Stable



High-performance

20V brushless motor delivers unmatched cutting speed



Deep-cut Capacity

68mm max depth in single pass, no re-cutting needed



8301

120mm Circular Saw

Application Forestry | Landscaping | Woodworking | Construction | Renovation

BRUSHLESS MOTOR

- Full soft-grip handle reduces fatigue during operation
- 0-45° adjustable saw angle for high precision and efficiency
- Dual guard contains debris and minimizes splinter hazards
- Lock-off switch prevents accidental activation
- Convenient hook design

Blade Diameter (mm)	120
Bore Diameter (mm)	9.5/10
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	6800
Max. Cutting Capacity (0°)	45mm
Max. Cutting Capacity (45°)	32mm
Net Weight (kg)	1.78
L*W*H Without Battery (mm)	375x145x155



8303

185mm Circular Saw

Application Woodworking | Construction | Renovation

BRUSHLESS MOTOR

- Full soft-grip handle reduces fatigue during operation
- 0-47° adjustable saw angle for high precision and efficiency
- Dual guard contains debris and minimizes splinter hazards
- Lock-off switch prevents accidental activation
- Convenient hook design

Blade Diameter (mm)	185/190
Bore Diameter (mm)	20
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	5600
185mm Max. Cutting Capacity (0°)	66mm
185mm Max. Cutting Capacity (45°)	48mm
190mm Max. Cutting Capacity (0°)	68mm
190mm Max. Cutting Capacity (45°)	50mm
Net Weight (kg)	3.10
L*W*H Without Battery (mm)	323x195x191



8302

165mm Circular Saw

Application Woodworking | Construction | Renovation

BRUSHLESS MOTOR

- Full soft-grip handle reduces fatigue during operation
- 0-50° adjustable saw angle for high precision and efficiency
- Dual guard contains debris and minimizes splinter hazards
- Lock-off switch prevents accidental activation

Blade Diameter (mm)	165
Bore Diameter (mm)	20
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Speed (RPM)	5000
Max. Cutting Capacity (0°)	60mm
Max. Cutting Capacity (45°)	45mm
Net Weight (kg)	2.60
L*W*H Without Battery (mm)	305x170x195



8311

Sabre Saw

Application Construction | Landscaping | Emergency rescue | Industrial manufacturing

CSC BRUSHLESS MOTOR

- Tool-free blade change for a variety of cutting needs
- Constant speed control, high-speed cutting
- LED work light for adequate illumination

Stroke Length (mm)	26
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Reciprocating Rate (RPM)	0-3000
Max. Cutting Capacity- Wood (mm)	200
Max. Cutting Capacity- Metal Pipe (mm)	100
Max. Cutting Capacity-Aluminum (mm)	20
Max Steel Cutting Depth (mm)	15
Net Weight (kg)	1.68
L*W*H Without Battery (mm)	335x65x135



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8312
Reciprocating Saw

Application Construction | Landscaping | Automotive repair | Home renovation



- Full soft-grip handle reduces fatigue during operation
- Quick blade change for complex cutting needs
- Safety lock switch prevents accidental activation, more secure storage



Stroke Length (mm)	26
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Reciprocating Rate (RPM)	0-3000
Max. Cutting Capacity-Wood (mm)	200
Max. Cutting Capacity-Metal (mm)	100
Max. Cutting Capacity-Aluminum (mm)	20
Max. Cutting Capacity-Steel (mm)	15
Net Weight (kg)	1.83
L*W*H Without Battery (mm)	390×75×160

8321
Jig Saw

Application Construction | Landscaping | Home renovation



- Quick blade change for complex cutting needs
- Variable speed to accurately match cutting speed
- 4-track adjustmen and 3 orbital settings
- LED work light for adequate illumination/ LED illumination
- 0-45° bevel angle adjustment for precise fit"



Stroke Length (mm)	25
Rated Voltage (V)	20
Motor Type	Brushless DC
No-load Reciprocating Rate (RPM)	0-3500
Max. Cutting Capacity-Wood (mm)	135
Max. Cutting Capacity-Aluminum (mm)	20
Max. Cutting Capacity-Steel (mm)	10
Net Weight (kg)	2.10
L*W*H Without Battery (mm)	240×210×80



8312
Reciprocating Saw

Application Construction | Landscaping | Automotive repair | Home renovation



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Net Weight (kg)	2.10
L*W*H Without Battery (mm)	240×210×80

8331

Multi-Tool

Application Construction | Woodworking | Renovation



- Low vibration and noise levels
- 6-speed control for versatile applications
- Large oscillation angle combined with constant speed function significantly enhances work efficiency
- Quick-change system, easy and fast accessory changes, compatible with both closed and open interfaces
- Integrated LED work Light for ample illumination



Oscillation Angle (°)	4
Rated Voltage (V)	20
Motor Type	Brushless DC
No-Load Speed (RPM)	9000-21000
Net Weight (Kg)	1.05
L*W*H Without Battery (mm)	309×112×73



Other Tools

- Heat Guns
- Vacuum Cleaners
- Caulking Guns
- Blowers
- Shears
- Grease Guns
- Air Inflators
- Air Compressors
- Worklights
- Air Fans

8331

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- Air Inflators
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8514

Heat Gun

Application Automotive Repair | Electronics Repair | Home Renovation | Craft Making, etc.



- Compact Body Design
- Innovative Honeycomb Heating Technology & Electronic Control to achieve optimal operating temperature in just 5 seconds
- Quick-Change Nozzle Design

Temperature (°C)	550
Air Flow (L/min)	200L/M
Rated Voltage (V)	20
Motor Type	Brush DC
Net Weight (Kg)	0.60
L*W*H Without Battery (mm)	205x170x70

8515

Vacuum Cleaner

Application Interior Car Cleaning | Home Renovation | Household Use | Woodworking, etc.



- Precise locking and easy switching
- Easy assembly and disassembly

Dust Cup Capacity (ml)	500
Vacuum (KPa)	≥7.3
Rated Voltage (V)	20
Motor Type	Brush DC
Filtration	Non-woven Fabric Filter Bag
Net Weight (Kg)	0.92
L*W*H Without Battery (mm)	430x135x150

8511

Caulking Gun

Application Automotive Repair | Electronics Maintenance | Home Renovation | Industrial Manufacturing



- 360° rotating glue stick holder for omnidirectional operation
- Auto-reverse function to minimize glue drips and waste
- Variable-speed control to adjust glue flow for even, consistent bonding
- Bright LED light illuminates the workspace
- Built-in cleaning needle to easily clear clogs in the glue gun

Max.Pushing Force (N)	2000
Loading Capacity (ml)	300/800
Rated Voltage (V)	20
Motor Type	Brush DC
Rated Speed (mm/min)	50-560
Net Weight (Kg)	1.95
L*W*H Without Battery (mm)	430×110×310

8513

Blower

Application Household Use, Woodworking, etc.

- Three-speed control switch for precise airflow adjustment
- Variable-speed trigger for flexible control of the blowing power
- Trigger locking function effectively reduces hand fatigue



Rated Voltage (V)	20
Motor Type	Brush DC
Air Speed (m/s)	≥70
Rated Speed (RPM)	18000
Net Weight (Kg)	1.08
L*W*H Without Battery (mm)	550×140×310

8514

Heat Gun

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Net Weight (Kg)	1.08
L*W*H Without Battery (mm)	550×140×310



8517

Shears

Application Gardening & Agriculture | Light Manufacturing, etc.



- Powerful performance with strong cutting force
- One-button start for user-friendly operation
- Safe and reliable, multi-layer protection with anti-misoperation design

Rated Voltage (V)	20
Cutting Speed (S)	0.3
Shearing Capacity-Fresh branches (mm)	30
Net Weight (Kg)	1.28
L*W*H Without Battery (mm)	280x64x115

8516

Grease Gun

Application Agricultural & Forestry Machinery | Railway Engineering | Mechanical Maintenance & Lubrication, etc.



- Variable speed control to meet different greasing needs with precision
- High-capacity pump to deliver high-output performance
- Built-In LED Light

Rated Voltage (V)	20
Maximum Pressure (psi)	10000
Oil Drum Capacity (ml)	420
Oil Tank Capacity (oz)	14.5 (410g)
Oil injection speed (g/min)	MAX280
Net Weight (Kg)	3.50
L*W*H Without Battery (mm)	390x95x27

8518

Air Inflator

Application Automotive Tire Repair, Other Inflatable Items



- Lightweight and portable, with convenient operation
- Powerful and efficient, enabling rapid inflation for quick results
- Versatile nozzle compatibility

Rated Voltage (V)	20
Max. Pressure (psi)	160
Airflow (L/min)	360
Air Pump (L/min)	9-12
Length of Inflation Hose (mm)	720
Net Weight (Kg)	1.50
L*W*H Without Battery (mm)	210*105*230

8519

Air Compressor

Application Pneumatic Tools | Painting | Automotive Repair & Construction, etc.



- Adjustable pressure to precisely meet diverse pressure output needs
- Powerful performance to deliver strong air pressure, perfect for a wide range of industrial applications

Rated Voltage (V)	20
Max. Pressure (bar)	8/9.3
Max. Pressure (psi)	116/135
Max. Power Output (W)	550
Capacity (L)	6
Air displacement (L/min)	53
Net Weight (Kg)	10.30
L*W*H Without Battery (mm)	430x350x370

8517

Shears

Application Gardening & Agriculture | Light Manufacturing, etc.



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8520

Worklight

Application Auto Repair | Construction Sites | Home Renovation, etc.



- High brightness powered by advanced lighting technology
- Adjustable head and body to flexible angles
- Good functions of waterproof & dustproof

Rated Voltage (V)	20
Power (watts)	10/20/30
Effective Lumens (lm)	800/1700/2200
Tilt Angle (°)	0-360
Weight (Kg)	1.58

8521

Air Fan

Application Factory Workshops | Warehouses | Construction Sites, etc.



- Large blades, powerful airflow
- Versatile installations such as wall-mounted, floor-standing, or desktop options to suit any space

Rated Voltage (V)	20
No-load Speed (rpm)	1600/2500
Blade Diameter (mm)	240
Weight (Kg)	2.35

Icon Index of Cordless Tools



Brushless Motor

Electronic commutation, carbon brush-free design



Constant Speed Control

Maintains a steady operating speed for precise output control



Integrated Die-casting Technology

Three-in-one die casting design: gearbox housing, output shaft sleeve, and washer integrated into one seamless unit



Soft Start

The starting process is from slow to fast to avoid sudden high-speed start



Electronic Anti-twist/
Anti-kickback Technology

Gyroscope monitors tool acceleration in real-time, automatically stopping if it exceeds set limits



Restart Protection

Gradual acceleration from slow to fast to prevent sudden high-speed starts



Smart Control Mode /
Smart Screw Gear

Smart Control: Auto-stop when tightening, speed reduction when loosening. Smart Screw Gear: Auto-stop when tightening under special working conditions.



Overload Protection

Prevents the tool from starting when inserting the battery while the switch is on



LED Shadowless Light
Illumination System

With two or more LEDs integrated



AVS Shock Absorption System



LED Lighting Lamp



SDS plus Quick Change System



Stepless switch between
variable speed modes



Electronic Brake



IPX5 Waterproof



Forward and Reverse Rotation



Drilling



Overcharge Protection



Screwing



Overdischarge Protection



Impact Drilling



Overcurrent Protection



Flat Chisel Rotation



Short Circuit Protection



Hammering



Overheating Protection



Hammer Drilling

8520

Worklight

Application Auto Repair | Construction Sites | Home Renovation, etc.



- High brightness powered by advanced lighting technology
- Adjustable head and body to flexible angles
- Good functions of waterproof & dustproof

Rated Voltage (V)	20
Power (watts)	10/20/30
Effective Lumens (lm)	800/1700/2200
Tilt Angle (°)	0-360
Weight (Kg)	1.58

8521

Air Fan

Application Factory Workshops | Warehouses | Construction Sites, etc.



- Large blades, powerful airflow
- Versatile installations such as wall-mounted, floor-standing, or desktop options to suit any space

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