

KEMP

2025~2026

Assembly & Fastening Tools Catalog
Material Removal Tools Catalog



www.kemptools.in



Kemp Tools Industrial Private Limited



Brand Introduction

The professional team of KEMP Tools Industrial Co., Ltd. with decades of experience in the industrial tool application, from marketing business, marketing planning, application analysis, research design, engineering technology, manufacturing, and so on.

Each KEMP product is produced by KEMP System model. Through market analysis, design verification, engineering verification, all products from KEMP manufacturing with full-fledged test and inspected .

We focus on feedback from the application market after sale. It is our ultimate goal and responsibility to listening to the client's advice and to satisfy their needs. Analysis of information exact, keep upgrade products, functional transformations and customized services.

The most confusing thing in the industrial market is how to choose suitable product. We have many years of sales and application experience. Our customer support services in selecting and providing products and suggestions that are most in line with industry applications.

In the future of Industry 4.0 and 5G era, we will continue to develop supporting applications for the intelligent digital and mechanical automation products required. Provided to customers perfect solutions .

KEMP

Keep Reliable Kemp team provide 3 reliable elements to the customers:

Enhance Reliable enhance service - Professional team with localization service. Service quality in all regions of the country. Guaranteed for Pre-sales & After-sales.

Manufacture Reliable manufacture quality - Years of international brands OEM. Excellent performance and Outstanding quality. Guaranteed for Brilliant Quality.

Performance Reliable performance on value - The Brands of EU,USA & JPN all were produced by the same factory. The same products and affordable price. Good value for the money and guaranteed.





Assembly & Fastening Tools Catalog



Precision Tightening Tools

P~1-14

- Wireless Torque Transducer & Controller
- CBS Cordless Shut Off Tool
- CBI Cordless Impact Wrench With Torque Setting
- ETS Torque Monitoring Electric Screwdriver
- EBS Brushless Shut Off Electric Screwdriver



Bolt & Screw Tightening Tool

P~15-25

- Oil Pulse Tool
- Custom Made oil Pulse Tool
- Air Tubenut Tool
- Air Nutrunner
- Air Screwdriver
- Air Impact Wrench
- Air Ratchet Wrench



Manual Torque Tools

P~26-31

- Adjustable Torque Wrench
- Preset Torque Wrench
- Digital Torque Wrench
- Wireless Digital Torque Wrench
- Interchangeable Insert Tools Square End
- Adjustable Torque Screwdriver
- Torque Multiplier



Engineered Fastening Tools

P~26-33

- Air Hydraulic Rivet Nuts Installation Tools
- Air Hydraulic Blind Rivets Installation Tools
- Air Rivet Shaver
- Air Rivet Hammer



Finishing Tools

P~34-36

- Air Random Orbital Sander
- Air Orbital Sander
- Air Disc Sander
- Air Polisher
- Air Belt Sander



Grinding Tools

P~37-38

- Air Angle Grinder
- Air Straight Grinder
- Air Micro Die Grinder
- Air Straight Die Grinder
- Air Right Angle Die Grinder
- Air Extended Die Grinder



Material Removal Tools

P~39-41

- Air Drill
- Air Cut Off Tools
- Air Saw
- Air File



Percussive Tools

- Air Engraver
- Air Hammer
- Air Chipping Hammer
- Air Chisel Scaler
- Air Needle Scaler
- Air Long Reach Scraper



KEMP Intelligence system

We combining assembly tightening tools with KEMP's intelligent system products, and then upgrade to fastening tools with intelligent control, data recording and real-time monitoring.

Application : Upgrade general electric / air / hand tools with function below.

- **Fastening programming:**
With Fastening programming management, can set the function for fastening quantity, sequence and cycle.
- **Fastening process:**
Display on mobile phone, tablet, computer through software, with real-time monitoring, data display, visual prompt, and buzzer warning.
- **Fastening result:**
Various information records, date and time, station number, torque angle, torque curve, data transmission and management traceability after fastening.
- **Fastening QC:**
Can be used as quality inspection application torque detection, angle detection, data analysis.

Software & APP installation

Android system: Smart phone, Tablet

Microsoft system: Tablet, Laptop, Desktop computer

Hardware Recommendations: CPU quad core · Ram 4GB at least



Wireless Torque Transducer & Controller

Detection • Data transmission • Smart control • Compensation

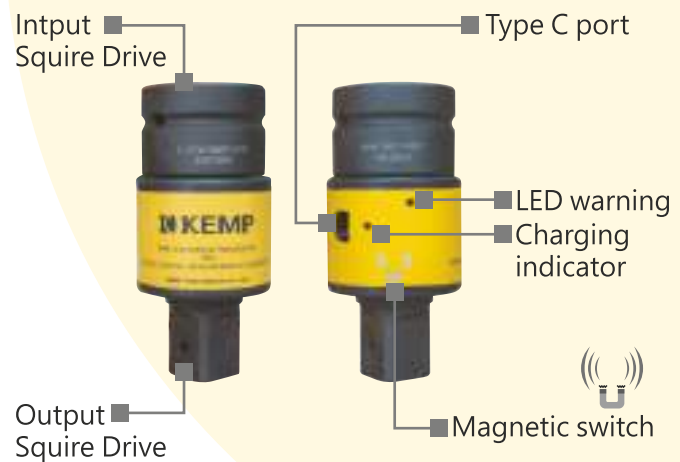
Wireless Torque Transducer

- Versatile operation modes for option: Oil pulse Tools, Shut-off type Clutch, Torque multiplier, Click Torque Wrench
- Signal according to: Torque, Angle
- RF Frequency band: 60 frequency band used with the E-BTM-C Torque Controller.
- Torque Transducer self-monitoring (electric+transmitting+torque+angle+usage count)
- On & off Reed switch (magnetic on/off) .Auto off when non transmitting torque 5min up.
- Software installation: Support Software & APP on Android & Microsoft. Torque curve display on Microsoft only.



- LED signal light [Blue Light on: RF ok / Blue- flicker:system initialize] [Orange on:Low battery / Orange- flicker:Error] [Red Light on:charging] [Green Light on:charge complete]
- WARNING: The dynamic wireless transducer will rotate during operation. Do not holding the transducer when operating to avoid accidental injury due to Incorrect operation.
- Warranty One year with use correctly and under maximum torque limit specified, Within dynamic 200,000 cycles or static 500,000 cycles. (Built-in record for usage time and count)

Torque	0.5~2500Nm
Power	DC3.7V / 650 mAh
Torque Resolution (Nm)	0.1% T nom
Accuracy (CW)	± 1%
Accuracy (CCW)	± 2%
Static Measured Angle Range	0°~360°
Angle Resolution (Degree)	0.5°
Charger	Type-C 5V 0.5A
IO(1)	USB Type-C *1
IO(2)Wireless(1)	RF 2.4G transmitting(20M)
Storage Temperature (°C)	-10°C ~ 60°C
Operating Humidity	10...75% · Non-condensing



Wireless Torque Controller

- Versatile tools support:
 - Dynamic Tightening: Oil pulse Tools, Shut-off type Clutch, Torque multiplier, Click Torque Wrench
 - Static Tightening: Torque wrench, Click Torque Wrench, Torque multiplier
- Multiple control methods:
 - Dynamic Tightening: 1.Torque 2.Track
 - Static Tightening: 1.Torque 2.Click Torque Monitor 3.Click Torque Track 4.Monitor
- Signal 1.Wireless transducer 2.Air pressure mode
- Torque adjustment 1.Deviation value corrected 2.Override value corrected
- Torque range verify: Easy set-up in minutes
- Torque Control Methods Set up torque control range
- Automatic air consumption rate measurement and selection for the broadest torque control range
- Built-in preset parameters and job sequences up for the ease of assembly works (Suggest Air inlet 90~110psi)
- Built-in torque fastening stage & bolting sequence control.
- Number of bolts: Preset the number of bolts to be fastened. Only when all bolts of each stage fastened, the system will switch to next stage and regulate the air pressure and flow rate correspondingly >and automatically
- Monitoring: Functions with VNC remote configuration or monitoring with PC, smart phone or tablet through Mobile APP are optional upon request
- Supervisor operator: Functions are restricted by privilege rating. Also record log in code and using time.
- Dynamic torque controllable accuracy:± 5% ~ ±15%
- Tool database: 10 set parameter for each tool category
- Productive database: 10 set parameter for productive
- Operation records traceable through USB, Ethernet or exported to the cloud server through wired or wireless connections.



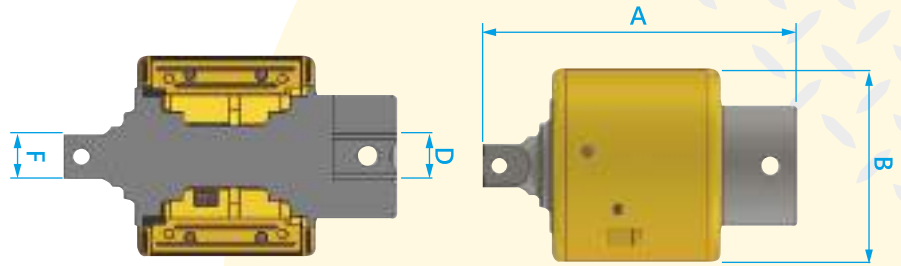
Aluminum alloy body min. air pressure 80psi to max. air pressure 110psi .

Included accessories:

2 x Antenna • 1 x Motor Cable • 1 x FRL(Filter Regulator+Lubricator) • 1 x 1/2"air-intake pipe • 1 x 1/2"Air inlet coupler

※ Note: Recommended min. air pressure of the torque controller is 80psi=0.54bar, which should not be lower than the pressure to avoid affect product functions and abnormalities.

D&M Series



E-BTM-D Series for ele. & air wrench

Model	Dynamic Torque Range (Nm)	Size				Weight (kg)	Item No.
		A (mm)	B (mm)	D (inch)	F (inch)		
E-BTM-D33T20	2~16	83	45	3/8"	3/8"	0.18	235 10 201
E-BTM-D33T50	5~40	83	45	3/8"	3/8"	0.20	235 10 202
E-BTM-D34T100	10~80	89	45	3/8"	1/2"	0.21	235 10 203
E-BTM-D44T180	18~145	97	45	1/2"	1/2"	0.26	235 10 204
E-BTM-D44T250	25~200	97	45	1/2"	1/2"	0.35	235 10 205
E-BTM-D46T500	50~400	114	57	1/2"	3/4"	0.70	235 10 206
E-BTM-D66T750	75~600	114	57	3/4"	3/4"	0.75	235 10 212
E-BTM-D88T1000	100~800	127	57	1"	1"	0.85	235 10 208
E-BTM-D88T1500	150~1200	134	57	1"	1"	0.95	235 10 209
E-BTM-D89T2000	200~1600	144	57	1"	1-1/2"	1.14	235 10 210
E-BTM-D99T3000	300~2400	166	86	1-1/2"	1-1/2"	3.8	235 10 214

E-BTM-D for Dynamic Tightening only.

Included accessories: 1x Magnetic(on/off switch) • 1x Type-C USB cable • 2 x O ring • 2 x Plastic dowel • 1 x Protection Cover

E-BTM-M Series for Manual Torque Tools

Model	Static Torque Range (Nm)	Size				Weight (kg)	Item No.
		A (mm)	B (mm)	D (inch)	F (inch)		
E-BTM-M33T20	2~20	83	45	3/8"	3/8"	0.18	235 10 301
E-BTM-M33T50	5~50	83	45	3/8"	3/8"	0.20	235 10 302
E-BTM-M34T100	10~100	90	45	3/8"	1/2"	0.21	235 10 303
E-BTM-M44T180	18~180	97	45	1/2"	1/2"	0.26	235 10 304
E-BTM-M46T250	25~250	104	45	1/2"	3/4"	0.35	235 10 305
E-BTM-M66T500	50~500	114	57	3/4"	3/4"	0.55	235 10 306
E-BTM-M68T750	75~750	114	57	3/4"	1"	0.75	235 10 307
E-BTM-M88T1000	100~1000	127	57	1"	1"	0.85	235 10 308
E-BTM-M88T1500	150~1500	134	57	1"	1"	0.95	235 10 309
E-BTM-M89T2000	200~2000	144	57	1"	1-1/2"	1.14	235 10 310
E-BTM-M99T3000	300~3000	166	86	1-1/2"	1-1/2"	3.8	235 10 311

E-BTM-M for Static Tightening and angular displacement detection.

Included accessories: 1x Magnetic(on/off switch) • 1x Type-C USB cable • 2 x O ring • 2 x Plastic dowel • 1 x Protection Cover



High-Efficiency and Precision Industrial & Assembly Tools

The KEMP CBS Series industrial-grade cordless shut-off tools are designed for high-volume industrial assembly. Featuring a high-efficiency brushless motor, they offer a maintenance-free and highly durable tool experience. Cordless lithium battery operation eliminates power cord constraints, while a precision clutch provides stable and highly accurate torque output.

The ergonomic design effectively reduces operator fatigue. When used with the dedicated [K-Config](#) software, it enables more professional and application-specific tightening strategy settings, making it an ideal choice for industrial users engaged in large-scale assembly.

KEMP CBS Series – Industrial-Grade Cordless Shut-Off Tools

Product Code Identification

CBS - AP2120

C: Cordless Tools

B: Bolt & Screw Tightening Tools
BC: Battery Charger
LB: Li-ion Battery

S: Screwdriver

2120:
Numeric product serial number

P: A~Z Type serial number

A: A~Z Series serial number

The KEMP CBS Series products have been specifically optimized to meet the demands of industrial users for high load intensity, high production cycle rates, and precise torque control. These tools offer high durability, accurate and stable torque output, and an ergonomic grip that aligns with user operational habits.

Features & benefits:

- Pistol Grip: 0.8-12Nm; Angle Head: 2.5-60Nm
- Torque repeatability accuracy $C_{mk} > 1.67$, $\pm 10\%$ tolerance, compliant with ISO 5393 standards
- Tightening parameters can be set and tool data can be retrieved via host software
- Ergonomic design provides a comfortable grip and excellent tool consistency



CBS Cordless Shut-Off Wrench

Status Indicator Lights

- Clear feedback on OK, NG, low battery, reverse mode, and fault status



Wi-Fi Connection to host Software

- Allows modifying tightening programs and retrieval of tool data

High-Power Brushless Motor

- High output power, fast rotation speed, maintenance-free, and long lifespan

Stable and Precise Mechanical Clutch

- Torque repeatability accuracy Cmk >1.67, ±10% tolerance

1/4" Quick-Change Hex Chuck

- Quick and easy bit changes



Shut-off type

LED Work Light

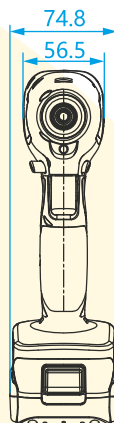
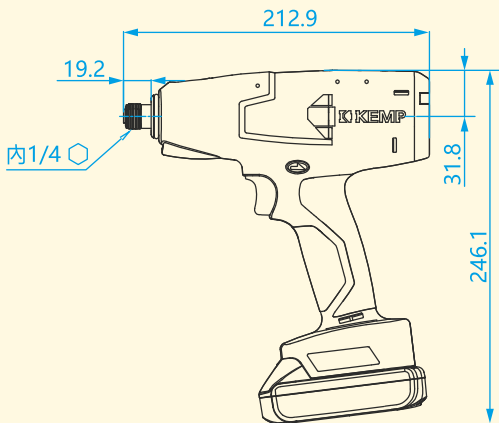
- The button lights up to provide illumination in dark and narrow spaces

Adjustable Speed Switch

- Enhanced switch design provides a more comfortable operation
- The switch allows toggling between wireless variable speed mode and two steps speed mode

Optimized Ergonomic Design

- Balanced centered weight reduces wrist strain



unit: mm

Flexible and Powerful Battery System

- Available in 18V 2.5Ah and 5.0Ah capacities.
- Equipped with a charge and discharge management mainboard.

Model	Drive Size	Torque Range	Free Speed	Weight (w/o battery)	Length	Height	Width	Battery Voltage	Item No.
	inch	Nm	rpm	kg	mm	mm	mm	V	
CBS-AP220	1/4" Hex.	0.5-2.5	1500	1.0	213	246	75	18	204 89 110
CBS-AP240	1/4" Hex.	1.5-4	1200	1.0	213	246	75	18	204 89 120
CBS-AP280	1/4" Hex.	2-8	1200	1.1	213	246	75	18	204 89 140
CBS-AP2120	1/4" Hex.	4-12	900	1.1	213	246	75	18	204 89 150

Included accessories: 1 x phillips screwdriver • 1 x flathead screwdriver • 3 x color rings (yellow, green, blue)

CBS Cordless Shut-Off Wrench



Common Angle Head Specifications
 ■ 3/8" Square Drive, 1/2" Square Drive

LED Work Light
 ■ The button lights up to provide illumination in dark and narrow spaces

Stable and Precise Mechanical Clutch
 ■ Torque repeatability accuracy $Cmk > 1.67$, $\pm 10\%$ tolerance



Shut-off type

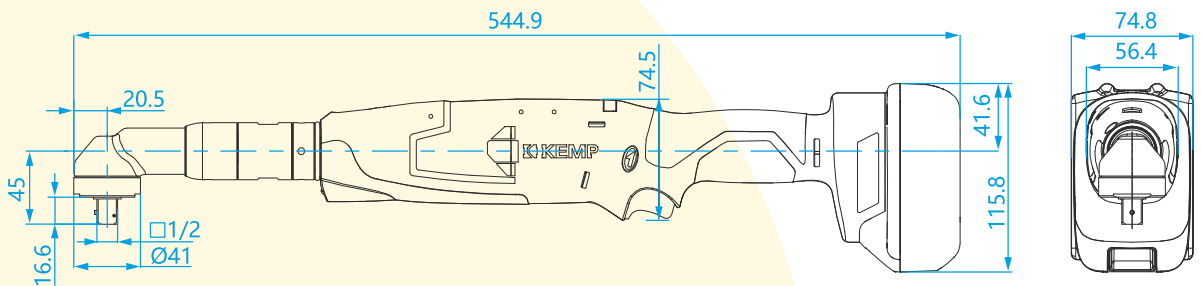
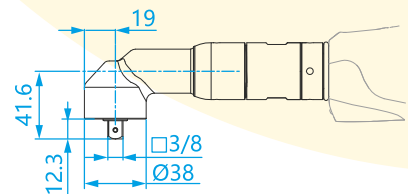
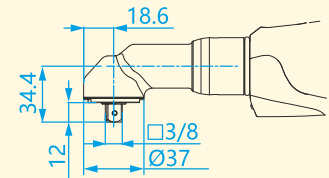
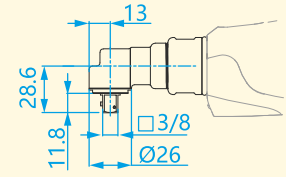
High-Power Brushless Motor
 ■ High output power, fast rotation speed, maintenance-free, and long lifespan

Status Indicator Lights
 ■ Clear feedback on OK, NG, low battery, reverse mode, and fault status

Adjustable Speed Switch
 ■ Enhanced switch design provides a more comfortable operation
 ■ The switch allows toggling between wireless variable speed mode and two steps speed mode

Optimized Ergonomic Design
 ■ Balanced centered weight reduces wrist strain

Flexible and Powerful Battery System
 ■ Available in 18V 2.5Ah and 5.0Ah capacities.
 ■ Equipped with a charge and discharge management mainboard



unit: mm

Model	Drive Size	Torque Range	Free Speed	Weight (w/o battery)	Length	Height	Width	Battery Voltage	Item No.
	inch	Nm	rpm	kg	mm	mm	mm	V	
CBS-AA380	3/8" Sq.	2.5-8	1100	1.34	466	116	75	18	204 89 225
CBS-AA3150	3/8" Sq.	5-18	720	1.34	496	116	75	18	204 89 230
CBS-AA3300	3/8" Sq.	15-30	300	1.76	544	116	75	18	204 89 240
CBS-AA3400	3/8" Sq.	20-40	220	1.76	544	116	75	18	204 89 250
CBS-AA4600	1/2" Sq.	25-60	210	1.88	545	116	75	18	204 89 260

Included accessories: 1 x phillips screwdriver • 1 x flathead screwdriver • 3 x color rings (yellow, green, blue)

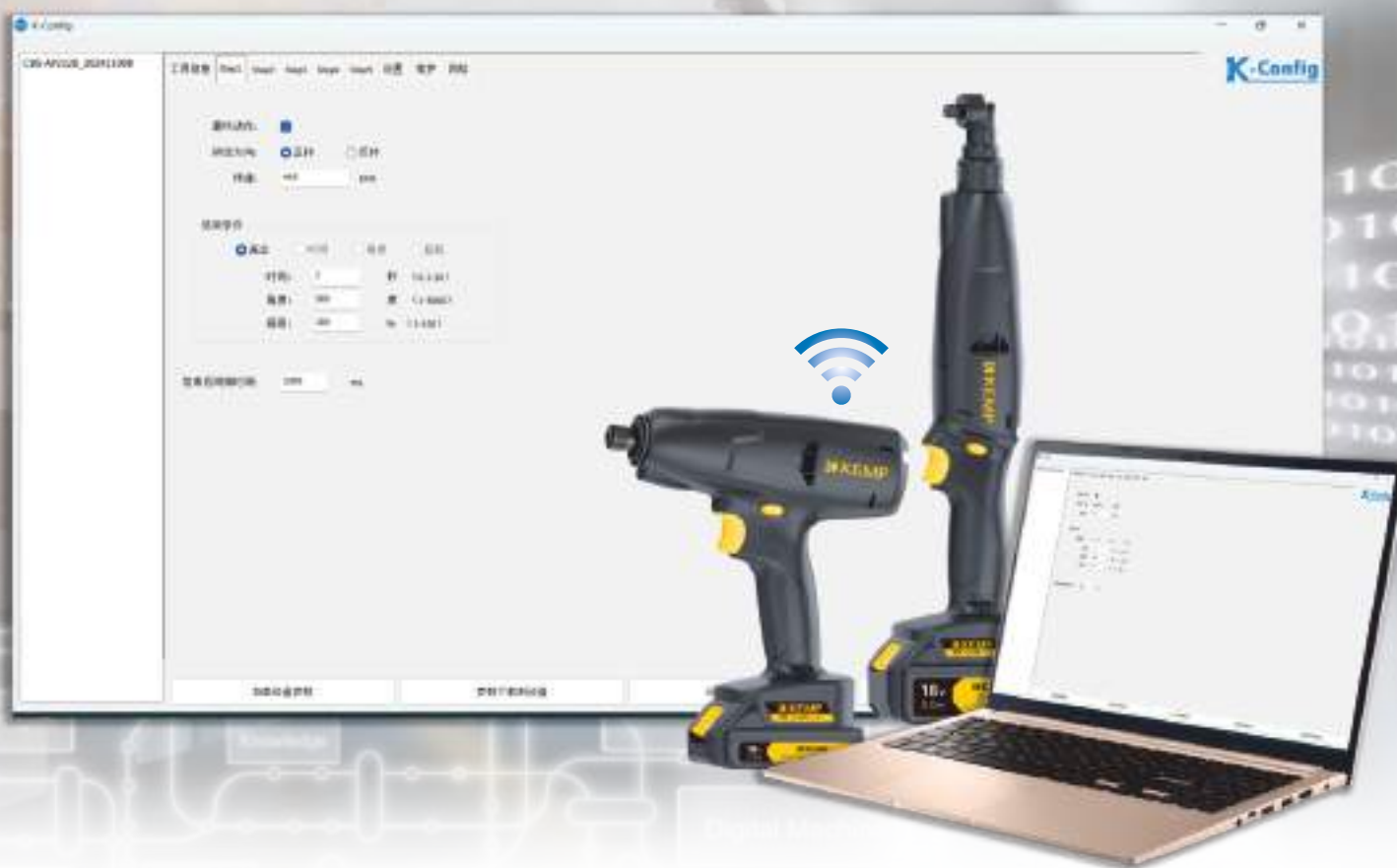
Software K-Config

With the continuous development of tightening and assembly technology, user demands for tightening tools have become more precise. In addition to torque control, users now require more application-specific control over tightening speed, angle, and duration.

The KEMP CBS Series cordless shut-off tools are equipped with the **K-Config** software, which effectively meets the evolving tightening and assembly demands of users.

Through this software, users can flexibly set various output parameters of the tool based on actual application needs. It allows adjustments to tightening speed, direction, angle, and time, and also supports multi-step tightening, with the option to customize the parameters of each step. The software also provides key reference information for tool maintenance, such as reading the tool model, number of tightening operations, and setting maintenance interval reminders.

The KEMP CBS series lithium battery torque tools will offer users a superior operating experience.



[**K-Config**] Download the tool configuration software from the website: www.kemptools.com

[**K-Config**] Features of the Tool Configuration Software:

- Reads basic tool data, including model, version number, maintenance interval, total number of tightening operations, etc.
- Allows customized tightening settings, including speed, angle, time, torque threshold, wait interval, etc., supporting up to 5 tightening steps.
- Wi-Fi connectivity enables wireless communication between the tool and PC without additional accessories, allowing tool information to be read and settings to be sent.
- Custom reminder settings allow independent configuration of alerts for LED indicators, buzzers, status lights, repeated tightening, and more, based on user needs.

CBI Cordless Impact Wrench With Multi Step Torque Adjustment

Utilizes chromium-nickel alloy steel impact components, wear-resistant and impact-resistant for extended product lifespan.

Integrated brushless motor design ensures high stability and long service life.



The forward/reverse drive selector switch determines the direction of rotation of the drive, for a more user-friendly operation.

1. Multi-steps torque adjustment design to meet the needs of different working position.
2. Pre-warning function if the torque does not reach the set value.

LED illumination improves visibility in work environments with insufficient lighting.

Flexible and powerful battery system

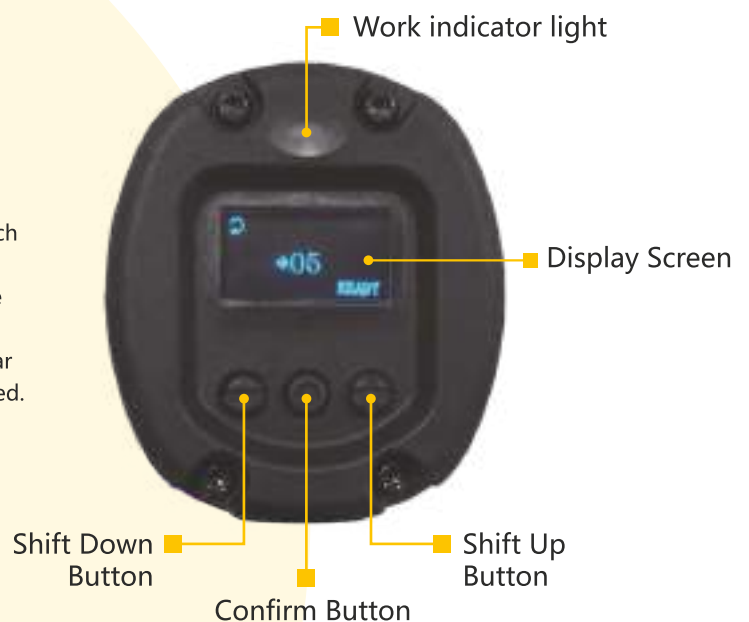
- Available in 18V 2.5Ah and 5.0Ah capacities.
- Equipped with a charge and discharge management mainboard.

Gear Adjustment Instructions

- After powering on the wrench, leave it no-load operation for 1-2 seconds (Digital display lights up).
- Press the confirm button, the screen displays "→05", wrench enters adjustment mode.
- Press the shift down / shift up button to shift "→05" to the required gear position.
- Press the confirm button, the screen displays "05", The gear of the wrench is released, and the gear shifting is completed.

Note:

1. If the work indicator light turns green, it indicates the wrench has completed a preset program and reached the set torque.
2. If the work indicator light turns red, it indicates the wrench did not complete a preset program and did not reach the set torque.



CBI Cordless Impact Wrench

Features & benefits:

- Suitable for automotive assembly, general machinery assembly, construction machinery assembly, and railway locomotive maintenance.
- Brushless motor, high efficiency, and energy-saving.
- Multi-stage torque adjustment, adjustable impact force to prevent damage to workpieces and bolts.
- High-speed rotation, high torque output.
- High-performance lithium battery, Long-Lasting Battery Life.
- Compact and lightweight, ensuring comfortable operation.



Model	Drive Size	Torque Range	Free Speed	LxWxH	Battery Voltage	Item No.
	inch					
CBI-AH235	1/4 Hex.	15-40	1800	155 x 77 x 267	18	203 89 101
CBI-AD335	3/8 Sq.	15-40	1800	170 x 77 x 265	18	203 89 111
CBI-AH260	1/4 Hex.	20-60	1800	164 x 77 x 265	18	203 89 103
CBI-AD360	3/8 Sq.	25-75	1800	170 x 77 x 265	18	203 89 113
CBI-AD4120	1/2 Sq.	30-120	1800	170 x 77 x 265	18	203 89 105
CBI-AD4200	1/2 Sq.	100-200	1700	185 x 77 x 264	18	203 89 107

Included accessories: 1x Cordless Impact Wrench(w/o battery)

2.0-2.5Ah working time approximately 3.5-4 hours 4.0-5.0Ah working time approximately 6-6.5 hours
 2.0-2.5Ah charging time approximately 35 minutes 4.0-5.0Ah charging time approximately 75 minutes

Product application areas



Automotive Industry



Industrial Automation



electricity



Precision Manufacturing



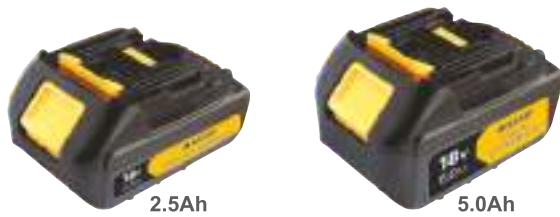
Equipment Installation



Aviation and military industry

Battery / Charger

The KEMP tools CBS Series cordless shut-off tools use 18V lithium batteries, available in 2.5Ah and 5.0Ah capacities, to meet the needs of both lightweight applications and long-duration operation. The batteries are equipped with an integrated charge/discharge management mainboard, which effectively extends battery life and durability. An LED battery indicator provides real-time charge status feedback. The CBC-AC118 charger, in combination with the battery's charge/discharge management mainboard, enables a faster and safer charging process. The LED indicator on the powered charger provides real-time battery charging status updates.



Battery

Model	Battery Voltage	Ampere	Item No.
	V	Ah	
CLB-AA1825	18	2.5	290 89 121
CLB-AA1850	18	5.0	290 89 151



Charger

Model	Input	Output	Item No.
	V	V/A	
CBC-AC118	100-260	18/4	291 89 111

2.5Ah charging time approximately 37 minutes.
 5.0Ah charging time approximately 75 minutes.

*According to KEMP product improve policy, it will not be notified immediately when changes to the design and specifications. Please check KEMP's website for the latest information.



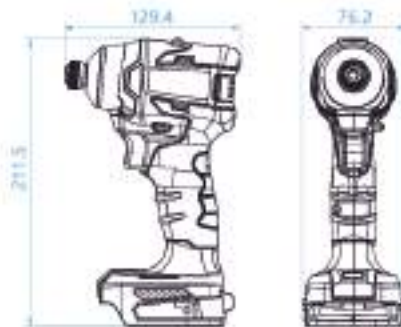
CBI-AP Cordless Impact Wrench

Features & benefits:

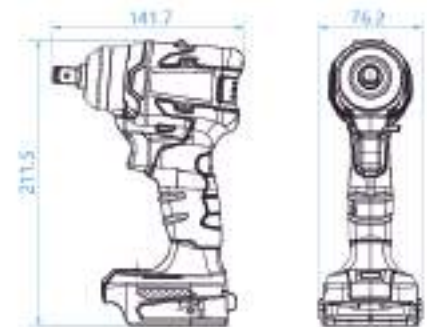
- Ideal for automotive repair, steel structures, tower installations, and heavy-duty scaffolding work.
- Brushless motor for high efficiency and energy savings.
- Smart reverse function instantly stops upon bolt release to prevent over-spinning.
- Three-stage torque adjustment allows users to select the appropriate impact force, helping to prevent damage to workpieces and bolts.
- High rotation speed and powerful torque ensure efficient fastening and loosening.
- High-performance lithium battery provides extended runtime and durability.
- Compact and lightweight design offers comfortable handling and ease of operation.



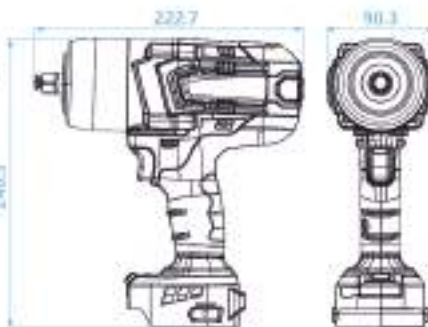
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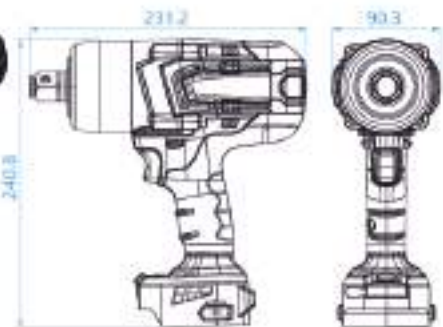
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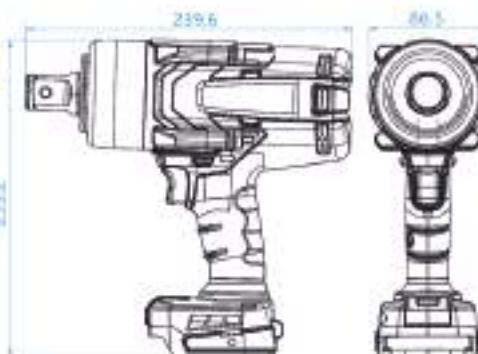
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203 89 213



203 89 223



unit: mm

Model	Drive Size	Torque Range	Breakway Torque	Free Speed	Machine size LxWxH	Machine Weight	Voltage	Item No.
	inch	Nm	Nm	rpm	mm	kg	V	
CBI-AP3380	1/4" Hex.	50-380	380	2000 / 2400 / 2900	129 x 76 x 212	1	18	203 89 203
CBI-AP4380	1/2 Sq.	50-380	380	2000 / 2400 / 2900	142 x 76 x 212	1	18	203 89 204
CBI-AP41300	1/2 Sq.	200-1300	1300	1000 / 1300 / 1900	223 x 90 x 240	2.8	18	203 89 212
CBI-AP61300	3/4 Sq.	200-1300	1300	1000 / 1300 / 1900	230 x 90 x 241	2.8	18	203 89 213
CBI-AP82300	1 Sq.	200-2300	2300	1150 / 1450 / 1850	240 x 87 x 223	3.4	18	203 89 223

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kti EBS Series

triple i intelligence • industrial • internet

Built-in Type Torque Indication Lamp

The torque indication lamp is of an intuitive design. When the tightening torque is reached, this indication lamp will notify the user. It can avoid thread slipping and incompletetightening and is more user-friendly in use.



Rotation Change Switch

Excellent Clockwise / Counter-clockwise
The clear, simple and large icon displays the directional rotation status.

Extra wear-resistant clutch

The screwdriver is equipped with an extra wear-resistant clutch, with low torque decay and stable torque output. The unit is suitable for high-tech precision parts.

High performance coreless brushless motor

Low inertia, Low thermal growth.
No need to replace carbon brush for saving cost.

Hall Effect Switch

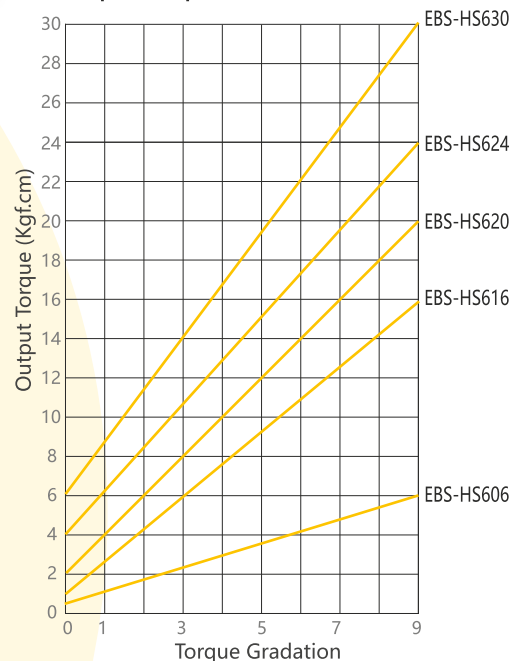
Non-contact type switch that reduces the effects of wear and tear, which greatly enhances the durability and reliability.

Streamlined Shape and Excellent Holding Feeling

The design of the grip is ergonomic. It not only prevents hand soreness, but also reduces fatigue during use. Comfort even over long-term use can be assured.



Torque Output Chart

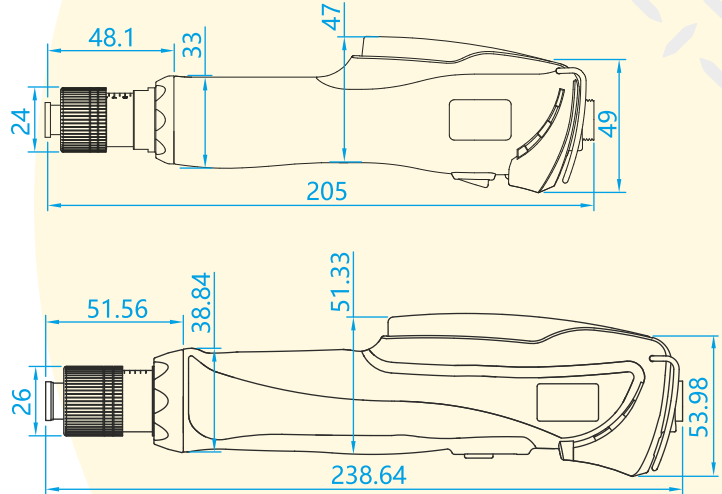


EBS DC Brushless Shut-off Electric Screwdriver



Dimensions

unit : mm



Parameters

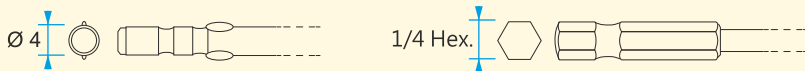
Torque Accuracy	Torque Adjustment	Weight	Length
±3%	Mechanical	520g	238mm

Model	Drive Size	Torque Range		Free Speed rpm	Applicable Screw Mech. Thread Dia. /Self-tapping Thread Dia. mm	Item No.
		kgf.cm	Nm			
EBS-HX401-K	Ø4	0.15~1	0.0147~0.098	700	0.7~1.8 / 0.6~1.4	304 17 931
EBS-HX406-K	Ø4	0.5~6	0.049~0.588	700/1000	1.0~2.6 / 1.0~2.3	304 17 933
EBS-HX410-K	Ø4	2~10	0.196~0.98	700/1000	2.2~3.0 / 2.0~2.6	304 17 934
EBS-HS606-K	1/4 "	0.5~6	0.049~0.588	700/1000	1.0~2.6 / 1.0~2.3	304 17 901
EBS-HS706H-K	1/4 "	0.5~6	0.049~0.588	1300/2000	1.0~2.6 / 1.0~2.3	304 17 941
EBS-HS616-K	1/4 "	1~16	0.098~1.56	700/1000	2.2~4.0 / 2.0~3.2	304 17 902
EBS-HS716H-K	1/4 "	1~16	0.098~1.56	1300/2000	2.2~4.0 / 2.0~3.2	304 17 946
EBS-HS620-K	1/4 "	2~20	0.196~1.96	700/1000	2.6~4.2 / 2.3~3.5	304 17 903
EBS-HS720H-K	1/4 "	2~20	0.196~1.96	1300/2000	2.6~4.2 / 2.3~3.5	304 17 943
EBS-HS624-K	1/4 "	4~24	0.39~2.35	700/1000	3.0~5.0 / 2.6~4.0	304 17 904
EBS-HS724H-K	1/4 "	4~24	0.39~2.35	1300/2000	3.0~5.0 / 2.6~4.0	304 17 944
EBS-HS630-K	1/4 "	6~30	0.588~2.94	700/1000	3.0~5.0 / 2.6~4.0	304 17 905
EBS-HS730-K	1/4 "	6~30	0.588~2.94	900/1300	3.0~5.0 / 2.6~4.0	304 17 925

Operating Vol. : 100-240V

Included accessories: 1x Ring Hanger • 2x Bits(one of each size #1#2) • 1x Cable • 1x Power Cable • 1x Power Supply

Bit Size:



Power Supply

Model	Working Voltage	Output Voltage	Dimensions	Weight
	AC	DV	mm	g
EBC-HM30	100~240V	20~30V Changeable	164 x 61 x 39	260



* According to KEMP product improvement policy, it will not be notified immediately when changes to the design and specifications. Please check KEMP's website for the latest information.

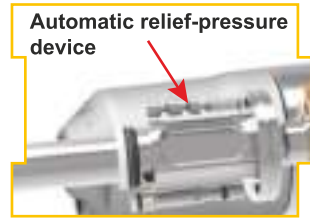
KEMP Oil Pulse Tools

KEMP create high precision Oil Pulse tools for industry and assembly market. For the best solution for our client, we have designed and invention patents to improved the long-life and quality.

Our products are customized for the client's business and needs.

Automatic relief-pressure device(Patent)

The two-way relief-pressure device greatly improves the smoothness. Inside oil pulse system , the oil will pass through from high to low pressure zone. Automatically adjusts the oil area, thus Improve tightening efficiency and torque stability.

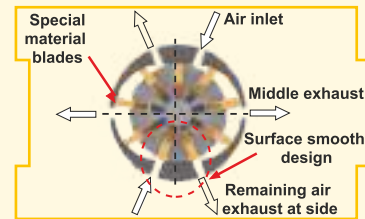


Special coating blade-with self-lubricating (graphite includedd)

Special coating blades with self-lubricating and high accuracy grinding of the cylinder body. Reduces the friction coefficient and depletion of parts.

Kemp's special coated blades have graphite lubrication, the lower roughness on surface brings better running speed and smoother. Chamfering for all blades finishing.

Improve the motor performance more precisely.



The grip is ergonomic.

There are more spaces for fingers. Feel more comfortable when grip.

Low noise device

Low noise device can be friendly for operator and environment.

Variable switch

Variable switch make easier and more efficient for operator

Piston return oil valve device

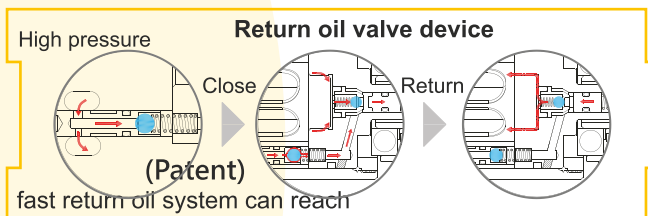
more accurately repetitive torque . It can effectively solve torque error in each tightening process and greatly improving torque accuracy.



X type sealing ring seal (Patent)

Patent design with highly sealing and highly durable. Pulse unit have dozens of times pulsels per second under high pressure environmen t. This is a big challenge for pulse unit's sealing . We already have accumulated technology and researched for many years. The new developed X-type sealing ring have excellent effect of sealing and long life.

New Return oil valve- Low pressure





Oil Pulse Tools Type

Pistol



Shut-off



Non Shut-off

Straight



Shut-off



Non Shut-off

Drive

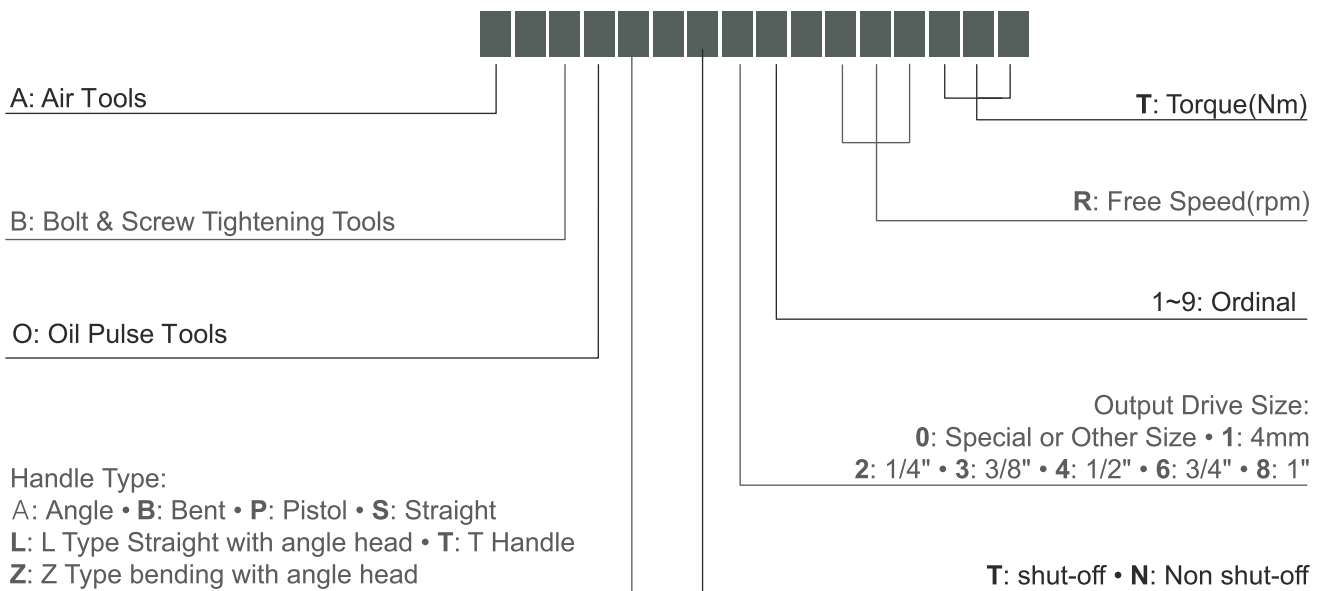


Hex



Square

Model Nomenclature





Features & benefits:

- Automatic pressure relief function
- Piston return oil valve device
- X type sealing ring seal
- Special coating blade-w/self-lubricating

Included accessories:

- 1x 1/4" Coupler 1x 1.5mm Adjust Key
- 1x 4mm Hex. Key 2x Ring Hanger
- 1x Rubber cover for Tool

Model	Drive Size (Square)	Torque Range	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
Sq. Air Pulse Tools	Inch	Nm	rpm	mm	kg	1/s	Inch	Inch	psi
A-BOP-T31-R46T12 3/8"	3/8	4-12	4600	160.5	0.92	3.33	1/4	3/8	90
A-BOP-T31-R48T16 3/8"	3/8	9-19	5100	160.5	0.92	4.17	1/4	3/8	90
A-BOP-T31-R60T32 3/8"	3/8	24-38	6500	170	0.95	5.8	1/4	3/8	90
A-BOP-T31-R58T50 3/8"	3/8	35-53	6300	183	1.05	6.61	1/4	3/8	90
A-BOP-T31-R60T60 3/8"	3/8	42-60	6000	187	1.25	7.93	1/4	3/8	90
A-BOP-T41-R48T85 1/2"	1/2	50-85	5300	192	1.45	8.78	1/4	3/8	90
A-BOP-T41-R45T125 1/2"	1/2	65-110	4800	198	1.7	9.11	1/4	3/8	90
A-BOP-T41-R38T145 1/2"	1/2	110-155	4600	215	2.3	11.61	1/4	3/8	90
A-BOP-T41-R38T145 1/2"	1/2	110-155	4600	215	2.3	11.61	1/4	3/8	90
A-BOP-T61-R34T205 3/4"	3/4	130-210	3900	243.5	2.9	11.61	1/4	3/8	90
A-BOP-T61-R32T245 3/4"	3/4	170-270	3200	262	3.7	11.61	1/2	1/2	90
A-BOP-T61-R33T450 3/4"	3/4	225-450	3300	221	4.2	23.5	3/8	1/2	90

- ★ Available in Pistol Design, Straight Design & Right Angle Design
- ★ Drive Available in Square & Hex Drive

Custom-Made Air Tubenut Tools

Shut-off type clutch ■
Easy to adjust torque. Strong impulse when torque value reached. High accuracy.



Clutch Shut-off

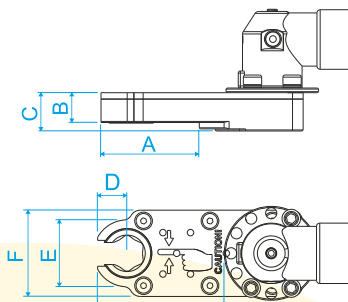
■ Operating with lever and releasing by button. Dual control user-friendly design.



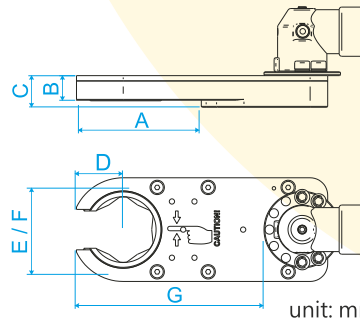
■ Rubber handle makes stable and low vibration for grip.

■ Light weight. Bring the comfortable feeling for the operator.

Adjustable open-end gear arm ■
to 60° according to the need.



A-BEA-S02-R70T05
A-BEA-S02-R23T14



A-BEA-S02-R15T20
A-BEA-S02-R11T24

unit: mm

Open-end gear arm Dia.

Model	A	B	C	D	E	F	G
A-BEA-S02-R70T05	4	14	18	13.6	31	40	58.8
A-BEA-S02-R23T14	4	14	18	13.6	31	40	58.8
A-BEA-S02-R15T20	57.2	14	18	20.6	46.6	48	83.2
A-BEA-S02-R11T24	71	14	18	26.6	59	59	112.4

Model	Socket Size	Torque Range	Free Speed	Length	Weight	Air Consumption	Item No.
	mm	Nm	rpm	mm	kg	l/s	
A-BEA-S02-R70T05	7,8,9,10,11,12,13,14,15,16,17	2~5.5	700	413	1.675	13.2	102 32 173
A-BEA-S02-R23T14	7,8,9,10,11,12,13,14,15,16,17	5~15	230	413	1.67	13.2	102 32 170
A-BEA-S02-R15T20	17,19,21,22,24	8~20	150	438	1.84	13.2	102 32 171
A-BEA-S02-R11T24	24,26,27,29,30,32	10~24	115	461	2.1	13.2	102 32 172

Air Inlet Size: 1/4" Min. Air Hose ID: 3/8" Recommend Air Pressure: 90psi

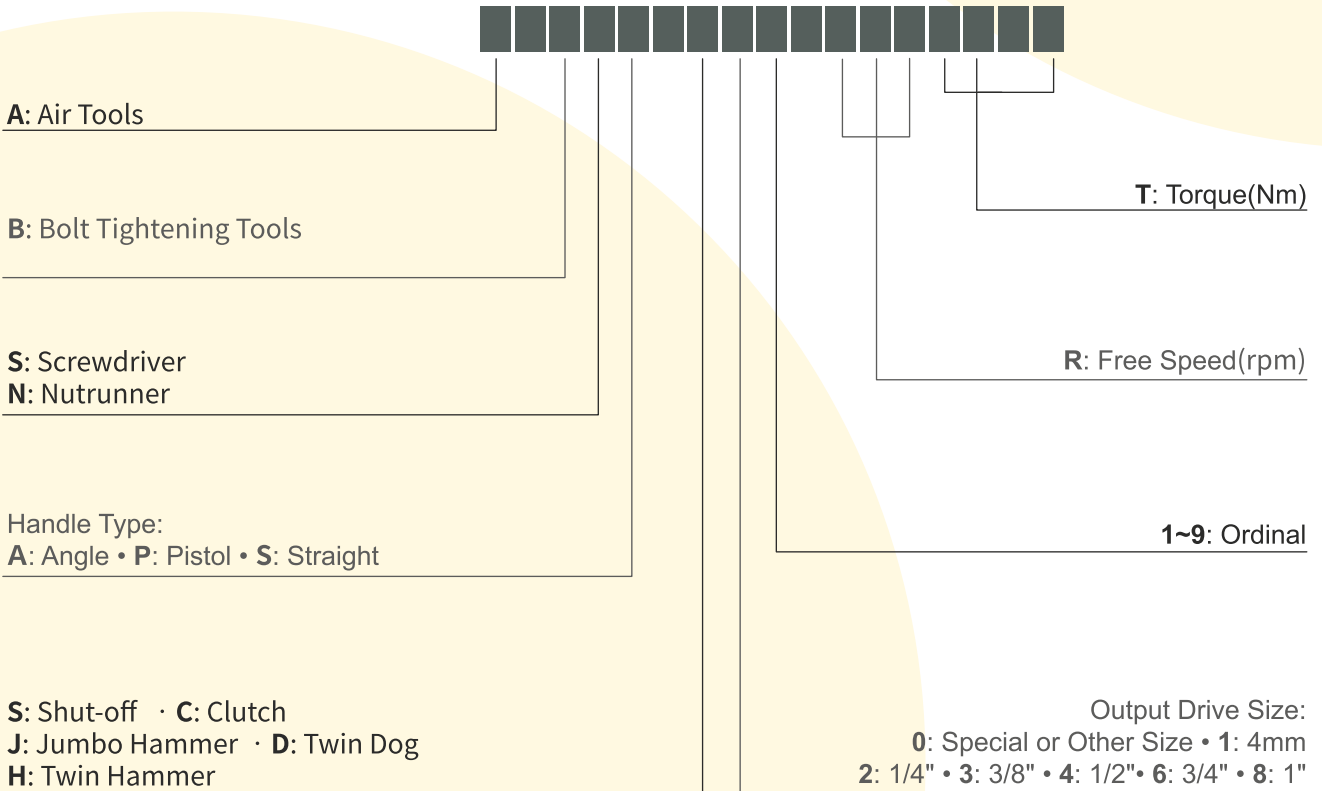
Included accessories: 1x 1/4"Coupler • 1x Ring Hanger

★**Remark** : Standard Socket type: Through hole

Each tool need to order with Socket Size.



Model Nomenclature



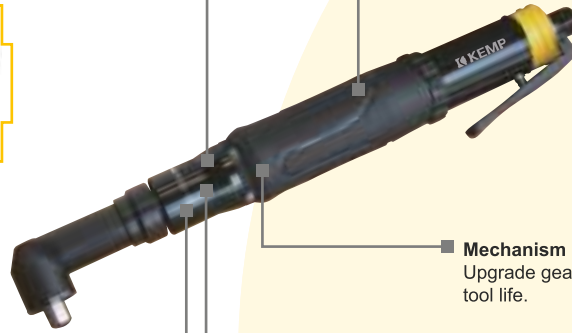
A-BNA-S Sq. Air Nutrunner

Shut-off type Clutch
Easy to adjust torque and high accuracy.



Shut-off type

Ergonomics Handle
Bring the comfortable feeling for the operator.



Mechanism reinforcement
Upgrade gear & clutch, increase tool life.

Torque fix Cover
Avoid adjust torque by accident while operating.

External torque adjust ring
Quick adjust the required target torque value.

Bolt & Screw Tightening Tools

Included accessories: 1x 1/4" Coupler • 1x Ring Hanger

Machine Capability Index(CMK) >1.67, Tolerance range ±10%

Model	Drive Size (Square)	Torque Range	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
	inch	Nm	rpm	mm	kg	l/s	inch	inch	psi
A-BNA-S33-R10T030	3/8	0.5-3.0	1000	315	0.66	4.72	1/4	3/8	90
A-BNA-S33-R17T045	3/8	0.5-4.5	1700	370	1.1	5.68	1/4	3/8	90
A-BNA-S33-R05T095	3/8	1.5-9.5	550	370	1.2	5.68	1/4	3/8	90
A-BNA-S33-R03T180	3/8	3.0-18	300	370	1.4	5.68	1/4	3/8	90
A-BNA-S33-R02T280	3/8	5.0-28	250	370	1.4	5.68	1/4	3/8	90
A-BNA-S31-R03T100	3/8	4-10	340	350	1.3	13.2	1/4	3/8	90

A-BSS-S 1/4" Hex. Air Shut-off Screwdriver

Shut-off type Clutch
Easy to adjust torque and high accuracy.



Shut-off type

Ergonomics Handle
Bring the comfortable feeling for the operator.



Scale Window Torque fix Cover
Avoid adjustment by operator.
Torque scale window manageable.

Strengthen Mechanism Material
Strengthen gear and composite body to increased usage time.

Machine Capability Index(CMK) >1.67, Tolerance range ±10%

Model	Drive Size (Hex.)	Torque Range	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
	inch	Nm	rpm	mm	kg	l/s	inch	inch	psi
A-BSS-S23-R18T025	1/4	0.3-2.5	1800	200	0.51	4.67	1/4	3/8	90
A-BSS-S23-R08T040	1/4	0.8-4.0	800	200	0.51	4.67	1/4	3/8	90
A-BSS-S23-R10T065	1/4	0.7-6.5	1000	231	0.85	9.17	1/4	3/8	90
A-BSS-S23-R05T095	1/4	1.5-9.5	550	290	0.85	9.17	1/4	3/8	90

Included accessories: 1x 1/4" Coupler • 1x Ring Hanger • 1x Torque Ring

A-BSP-S 1/4" Hex. Air Shut-off Screwdriver

Shut-off Type Clutch

Easy to adjust torque and high accuracy.



Shut-off type

Strengthen Mechanism Material

Strengthen gear and composite body to increased usage time.

Torque fix Cover

Avoid adjust torque by accident while operating.

External torque adjust ring

Quick adjust the required target torque value.

Ergonomics Handle

Bring the comfortable feeling for the operator.

Three-way air intake design

The top, bottom, and rear are convenient for adjustment in different application directions.



Machine Capability Index(CMK) >1.67, Tolerance range

Model	Drive Size (Hex.)	Torque Range	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
	inch	Nm	rpm	mm	kg	l/s	inch	inch	psi
A-BSP-S23-R18T025	1/4	0.3-2.5	1800	198	0.69	4.72	1/4	3/8	90
A-BSP-S23-R10T035	1/4	0.5-3.5	1000	198	0.69	4.72	1/4	3/8	90
A-BSP-S23-R22T060	1/4	1.0-6.0	2200	236	1.01	5.68	1/4	3/8	90
A-BSP-S23-R10T075	1/4	1.2-7.5	1000	236	1.01	5.68	1/4	3/8	90
A-BSP-S23-R05T110	1/4	3.0-11	500	236	1.01	5.68	1/4	3/8	90
A-BSP-S23-R03T180	1/4	3.0-18	300	236	1.13	5.68	1/4	3/8	90

Included accessories: 1x 1/4" Coupler • 1x Ring Hanger • 1x Torque adjust Ring

1x Side Handle (A-BSP-S23-R22T060, A-BSP-S23-R10T075, A-BSP-S23-R05T110, A-BSP-S23-R03T180 only)



Features & benefits:

- Impact mechanism brings high speed and torque . For high efficiency and pre-tightening on the work.
- Twin Dog

high accuracy.



Shut-off type

Included accessories:

- 1x 1/4" Coupler • 1x Ring Hanger
- 1x 65mm Double Ended Cross Bit #2

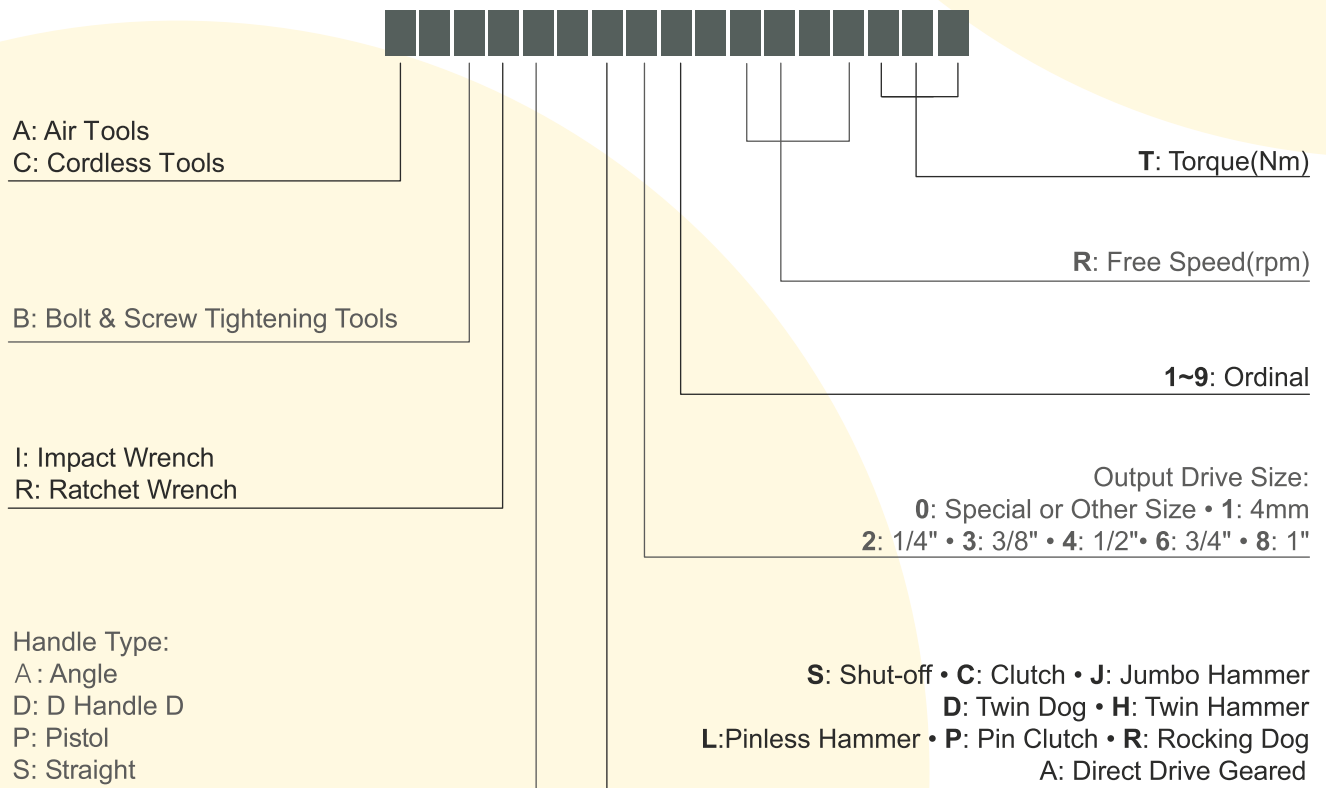
Model	Drive Size (Square)	Torque Range	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
Air Screw Driver	Inch	Nm	rpm	mm	kg	l/s	Inch	Inch	psi
A-BSS-D21-R90T40 1/4"	1/4	40	9000	190	0.79	9.44	1/4	3/8	90
A-BSS-D21-R80T200 1/4"	1/4	200	8000	225	1.06	14.16	1/4	3/8	90
A-BSS-H21-R80T230 1/4"	1/4	230	8000	230	1.32	15.12	1/4	3/8	90
A-BSP-D21-R115T30 1/4"	1/4	30	11500	155	0.9	11.32	1/4	3/8	90
A-BSP-D21-R80T150 1/4"	1/4	150	8000	165	1.2	14.16	1/4	3/8	90
A-BSP-H21-R85T270 1/4"	1/4	270	8500	155	1.3	17	1/4	3/8	90

- ★ Available in Pistol Design, Straight Design
- ★ Drive Available in Square & Hex Drive

Impact Wrench / Ratchet Wrench



Model Nomenclature





Features & benefits:

- Impact mechanism brings high speed and torque. For high efficiency and pre-tightening on the work.
- Light weight composite body Comfortable feeling for the operator
- Forward and reverse with patent switch by finger control. Adjust speed turntable
- Twin Hammer

Included accessories:

- 1x 1/4 Coupler

Model	Drive Size (Square)	Max. Torque	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure	Item No.
Sq. Air Impact Wrench	Inch	Nm	rpm	mm	kg	l/s	Inch	Inch	psi	
A-BIA-D31-R85T90 3/8"	3/8	90	8500	265	1.58	16.04	1/4	3/8	90	103 32 311
A-BIA-J46-R90T312 1/2"	1/2	312	9000	247	1.5	7.52	1/4	3/8	90	103 12 300
A-BIS-D35-R120T108 3/8"	3/8	108	12000	139	0.53	3.92	1/4	3/8	90	103 33 304
A-BIS-D31-R80T200 3/8"	3/8	200	8000	225	1.07	14.16	1/4	3/8	90	103 32 301
A-BIS-H31-R81T200 3/8"	3/8	200	8100	220	1.32	15.12	1/4	3/8	90	103 32 302
A-BIP-D31-R115T30 3/8"	3/8	30	11500	155	0.9	11.32	1/4	3/8	90	103 32 303
A-BIP-D31-R80T190 3/8"	3/8	190	8000	160	1.2	18.88	1/4	3/8	90	103 32 305
A-BIP-H31-R85T270 3/8"	3/8	270	8500	155	1.32	17	1/4	3/8	90	103 32 306
A-BIP-H46-R83T515 1/2"	1/2	515	8300	149	1.3	7.3	1/4	3/8	90	103 12 301
A-BIP-H46-R78T678 1/2"	1/2	678	7800	116	1.16	9.08	1/4	3/8	90	103 12 303
A-BIP-H46-R73T1085 1/2"	1/2	1085	7300	174	2.0	10.2	1/4	3/8	90	103 12 314
A-BIP-H65-R65T1085 3/4"	3/4	1085	6500	236	4.55	13.2	1/4	3/8	90	103 33 307
A-BIP-H66-R53T1900 3/4"	3/4	1900	5300	201	3.3	14.92	3/8	1/2	90	103 12 305
A-BIP-H86-R60T2034 1"	1	2034	6000	228	5.7	15.12	3/8	1/2	90	103 12 307
A-BIP-H87-R55T2700 1"	1	2700	5500	256	5.7	14	1/2	1/2	90	103 38 301
A-BID-H86-R55T2983 1"	1	2983	5500	375	6.8	22.68	1/2	1/2	100	103 12 308
A-BID-H86-R55T2983-6 1"	1	2983	5500	527	7.7	22.68	1/2	1/2	100	103 12 309
A-BID-L85-R40T2170-6 1"	1	2170	4000	515	12.1	15.88	1/2	1/2	100	103 33 314
A-BIP-L97-R40T4050 1-1/2"	1-1/2	4050	4000	420	15.3	22.6	1/2	3/4	100	103 38 323



Features & benefits:

- Bolt tightening for narrow and distinct spaces.
- For pre-tightening. Strong impulse when torque value reached. Than tightening with Manual Torque Tools
- Ergonomics grip bring the comfortable feeling for the operator

Included accessories:

- 1x 1/4" Coupler 1x Ring Hanger

Model	Socket Size		Max. Torque	Free Speed	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
Air Ratchet Wrench	mm/inch		Nm	rpm	mm	kg	l/s	Inch	Inch	psi
A-BCS-A00-R18T10	6,7,8,10,11,12	1/4,3/8	10	180	300	1.3	8.48	1/4	3/8	90
A-BCS-A01-R19T25	10,11,12,13,14	1/2,9/16	25	220	332	1.92	14.16	1/4	3/8	90
A-BCS-A01-R15T90	10,11,12,13,14,	15,16,17,18,19	90	150	390	2.42	23.6	1/4	3/8	90
A-BCS-A01-R13T90	21,22,23,24,26,27 MM		90	130	398	2.48	23.6	1/4	3/8	90
A-BCS-A01-R11T90	29,30,32 MM		90	110	405	2.5	23.6	1/4	3/8	90
A-BRA-P30-R55T54 3/8"	3/8 Inch		54	550	160	0.63	8.48	1/4	3/8	90
A-BRA-P30-R25T81 3/8"	3/8 Inch		81	250	290	1.43	8.48	1/4	3/8	90
A-BRA-A32-R27T27 3/8"	3/8 Inch		27	270	188	0.54	8.48	1/4	3/8	90
A-BRA-A41-R16T68 1/2"	1/2 Inch		68	160	257	1.2	5.68	1/4	3/8	90
A-BRA-A33-R27T54 3/8"	3/8 Inch		54	270	217	0.68	6.6	1/4	3/8	90
A-BRA-A43-R18T175 1/2"	1/2 Inch		175	180	317	1.54	8.48	1/4	3/8	90

- ★ Available in Pistol Design, Straight Design
- ★ Drive Available in Square & Hex Drive

Manual Torque Tools

NBR Handle ■
Ergonomic shape with non-slip and comfortable features.

Micrometer graduation ■
For more accurate torque value setting.

Dual graduation window ■
Dual scale window type; easy readable for Nm/lbf-ft two different units.

Adjustment Button ■
Locking button enables reliable locking of the torque setting. Turn switch CCW direction to "UNLOCK" the wrench for torque setting; turn switch CW direction to "LOCK".

Adjust torque ■
Easy for the operator adjust torque setting.

Chromed steel mechanism:
The robust and resistant fully chromed steel tube is ideal of industrial use. Suitable for industrial applications.

Quick released design
For changing socket quickly. Repair kit for inner spare parts of ratchet head is available.

Dual graduation window

Unlock Lock
Adjust torque

Model Nomenclature

M: Manual Torque Tools	Numerical Value (Counted by tens) Nm Mini Type cNm Screwdriver cNm
A: Accessories • G: Gauge • M: Multiplier S: Screwdriver • W: Wrench	T: Torque
A: Adjustable • P: Preset • I: Interchangeable G: Gear • T: Interchangeable Preset	1~9: Ordinal
Handle Type: A: Alum • P: Plastic • R: Rubber S: Steel • I: Insulated • M: Mini Type	Output Drive Size: 1: 4mm • 2: 1/4"(6.35mm) • 3: 3/8" 4: 1/2" • 5: 6.35mm Square Drive • 6: 3/4" 8: 1" • 9: 1-1/2" • S: 9x12 • M: 14x18
Mechanism: D: Digital Sensor • S: Slipping • P: Pawl M: Multi-lever • R: Roller Type	

M-WAA-M Adjustable Aluminum Torque Wrench

Features & benefits:

- Quality meets DIN ISO 6789 & ASME B10.300-2010
- Tolerance of torque $\pm 3\%$.
- Housing is made of aluminum alloy. Lightweight and robust.
- Multi-lever mechanism brings length independence and accurate torque.
- It is suitable for heavy, aerospace industry, wind power industry and automation industries. Quick pull out and easy adjustment with unique crank.



Model	Drive Size (Square)	Torque Range	Graduation	Length	Weight
	inch				
M-WAA-M41-T120	1/2	20-120	5	475	1.24
M-WAA-M41-T200	1/2	40-200	5	563	1.5
M-WAA-M41-T300	1/2	50-300	5	625	1.65
M-WAA-M61-T550	3/4	110-550	10	827	3.0
M-WAA-M61-T760	3/4	140-760	10	827	3.0
M-WAA-M61-T1000	3/4	200-1000	10	1413	3.8
M-WAA-M81-T1500	1	600-1500	25	1615	10.9
M-WAA-M81-T2000	1	750-2000	50	2370	11.7
M-WAA-M91-T3000	1-1/2	1500-3000	50	2820	16.4

Included accessories: 1xBlow Case



Easy adjustment and lock design



No accuracy will be interference with any grip position to apply exerting force on.

M-WAP-P Adjustable Torque Wrench

Features & benefits:

- Quality meets DIN ISO 6789 & ASME B10.300-2010
- Tolerance of torque $\pm 3\%$.
- Chromed steel mechanism · Suitable for industrial applications.
- Easily readable window dual graduation .
- Ergonomically shaped and convenient NBR handle grip.



Model	Drive Size (Square)	Teeth	Torque Range	Graduation	Length	Weight
	inch					
M-WAP-P21-T25	1/4	24T	2-25	0.1	296	0.41
M-WAP-P31-T50	3/8	24T	5-50	0.25	333	0.47
M-WAP-P41-T100	1/2	32T	10-100	0.5	400	0.82
M-WAP-P41-T200	1/2	32T	20-200	1	500	1.30
M-WAP-P41-T300	1/2	32T	60-300	1	635	1.47
M-WAP-P61-T600	3/4	24T	100-600	2	1040	4.65
M-WAP-P61-T800	3/4	24T	150-800	2	1240	5.45
M-WAP-P61-T1000	3/4	24T	200-1000	2	1240	5.45

Included accessories: 1xBlow Case

M-WIP-P Interchangeable Adjustable Torque Wrench

Features & benefits:

- Quality meets DIN ISO 6789 & ASME B10.300-2010
- Tolerance of torque $\pm 3\%$.
- Chromed steel mechanism · Suitable for industrial applications.
- Easily readable window dual graduation .
- Ergonomically shaped and convenient NBR handle grip.



Model	Insert Drive Size	Torque Range	Graduation	Length	Weight
	mm				
M-WIP-PS1-T25	9x12	2-25	0.1	265	0.44
M-WIP-PS1-T50	9x12	5-50	0.25	330	0.53
M-WIP-PS1-T100	9x12	10-100	0.5	410	1.03
M-WIP-PM1-T100	14x18	10-100	0.5	440	1.05
M-WIP-PM1-T200	14x18	20-200	1	510	1.23
M-WIP-PM1-T300	14x18	60-300	1	600	1.40

Included accessories: 1xBlow Case



Features & benefits:

- Quality meets DIN ISO 6789 & ASME B10.300-2010
- Tolerance of torque $\pm 3\%$.
- Housing is made of aluminum alloy. Lightweight and robust.
- Multi-lever mechanism brings length independence and accurate torque.
- It is suitable for heavy, aerospace industry, wind power industry and automation industries. Quick pull out and easy adjustment with unique crank.

The mechanism slips automatically when the torque value is achieved.



M-WAP-S Adjustable Slipping Torque Wrench

Model	(Square)	Teeth	Torque Range	Graduation	Length	Weight
	inch	T	Nm	unit	mm	kg
M-WAP-S21-T05	1/4	36T	1-5	0.05	260	0.52
M-WAP-S21-T10	1/4	36T	2-10	0.1	260	0.52
M-WAP-S21-T25	1/4	36T	5-25	0.1	320	0.59
M-WAP-S31-T25	3/8	36T	5-25	0.1	320	0.59
M-WAP-S31-T60	3/8	48T	10-60	0.25	355	0.665

Included accessories: 1xBlow Case

M-WAS-P Adjustable Click Torque Wrench

Model	Drive Size (Square)	Teeth	Torque Range	Graduation	Length	Weight
	inch	T	Nm	unit	mm	kg
M-WAS-P21-T02	1/4	24T	0.4-2	0.02	173	0.2
M-WAS-P21-T05	1/4	24T	1-5	0.05	173	0.2
M-WAS-P21-T10	1/4	24T	2-10	0.1	173	0.2
M-WAS-P21-T15	1/4	24T	3-15	0.1	223	0.25
M-WAS-P21-T25	1/4	24T	5-25	0.25	240	0.45
M-WAS-P31-T25	3/8	24T	5-25	0.25	240	0.45
M-WAS-P31-T50	3/8	24T	10-50	0.5	260	0.5
M-WAS-P31-T100	3/8	24T	20-100	1	342	0.8
M-WAS-P41-T100	1/2	24T	20-100	1	342	0.8
M-WAS-P41-T140	1/2	24T	30-140	1	410	1.0
M-WAS-P41-T200	1/2	24T	40-200	2	498	1.5

M-WPR-P Preset Torque Wrench

Model	Drive Size (Square)	Teeth	Torque Range	Length	Weight
	inch	T	Nm	mm	kg
M-WPR-P21-T10	1/4	24T	2-10	224	0.4
M-WPR-P31-T20	3/8	24T	4-20	285	0.53
M-WPR-P31-T60	3/8	24T	10-60	285	0.53
M-WPR-P31-T100	3/8	32T	20-100	355	0.95
M-WPR-P41-T100	1/2	32T	20-100	355	0.95
M-WPR-P41-T200	1/2	32T	40-200	430	1.21
M-WPR-P41-T340	1/2	32T	60-340	534	1.45
M-WPR-P61-T600	3/4	24T	100-600	1050	4.6

C-WWP WIFI /BT Digital Torque Wrench

Features & benefits:

- Torque Accuracy CW:±1% CCW:±2% angle accuracy:±2°
- Accuracy is guaranteed from 20% to 100% full scale.
- Angle setting · set torque/angle value
- 10 sets of presets · 2000 records data memory
- P(Peak Hold)/ T(Track) Mode , Over Maximum torque records.
- LCD Readout · Five Units Selectable (N-m, ft-lb, in-lb, kg-cm, Degree)
- Buzzer (warning signal)
- Wireless transmission
- Online Calibration



- Bright LED · 12 LEDs (2 Red+10 Green)



Wifi



Bluetooth



Model	Drive Size (Square)	Insert Drive Size	Torque Range	Graduation	Length	Weight	Item No.
	inch	mm	Nm	Nm	mm	kg	
C-WWP-DS2-T30	1/4"	9 x 12	1.5~30	0.01	390	0.79	421 44 401
C-WWP-DS3-T60	3/8"	9 x 12	3.0~60	0.01	410	0.97	421 44 402
C-WWP-DS3-T135	3/8"	9 x 12	6.8~135	0.1	410	0.97	421 44 403
C-WWP-DS4-T135	1/2"	9 x 12	6.8~135	0.1	410	0.98	421 44 404
C-WWP-DM4-T200	1/2"	14 x 18	10~200	0.1	545	1.37	421 44 405
C-WWP-DM4-T340	1/2"	14 x 18	17~340	0.1	640	1.52	421 44 406

Included accessories: 2x AA Battery • 1x Monitoring software • 1x Blow Case

Remark :

- Operating Temperature Range : -10°C~ 60°C , Storage Temperature Range : -20°C~ 70°C , Humidity : Up to 90% non-condensing.
- Test Pass: CE test · 1M Drop Test · 10G Vibration Test · Environmental test · Lift test
- Insert ratchet head is standard. Refer to the catalog for other type Insert head ,please .



C-WKP-D One Step/QC Interchangeable Digital Torque Wrench

Features & benefits:

- Torque Accuracy CW:±2% CCW:±3%
- Quality inspection to confirm torque value of pretightened bolt.
- M1 : QC mode · P(Peak Hold) mode only
- M2 : Torque measurement mode: P(Peak Hold)/ T(Track) Mode , 50 records data memory
- P(Peak Hold)/ T(Track) Mode , Over Maximum torque records.
- LCD Readout · Four Units Selectable Nm , kg-cm , ft-lb , in-lb
- Buzzer warning signal (M1 mode only)
- Anti-slip Handle



- Bright LED · 12 LEDs (2 Red+10 Green) (M1 mode only)



QC CHECK

Model	Drive Size (Square)	Insert Drive Size	Torque Range	Graduation	Length	Weight	Item No.
	inch	mm	Nm	Nm	mm	kg	
C-WKP-DS2-T30	1/4	9x12	1.5~30	0.01	390	0.76	419 44 401
C-WKP-DS3-T60	3/8	9x12	3.0~60	0.01	415	0.94	419 44 402
C-WKP-DS3-T135	3/8	9x12	6.8~135	0.1	415	0.94	419 44 403
C-WKP-DS4-T135	1/2	9x12	6.8~135	0.1	415	0.96	419 44 404
C-WKP-DM4-T200	1/2	14x18	10~200	0.1	530	1.34	419 44 405
C-WKP-DM4-T340	1/2	14x18	17~340	0.1	650	1.54	419 44 406

Included accessories: 2x AA Battery • 1x Blow Case

Remark :

- Operating Temperature Range : -10°C~ 60°C , Storage Temperature Range : -20°C~ 70°C , Humidity : Up to 90% non-condensing
- Test Pass: CE test · 1M Drop Test · 10G Vibration Test · Environmental test · Lift test
- Accuracy is guaranteed from 20% to 100% full scale.





C-WAP-D Digital Torque Wrench

Also in Interchangeable Design

Features & benefits:

- Torque Accuracy CW:±2% CCW:±3%
- P(Peak Hold)/ T(Track) Mode , Over Maximum torque records.
- LCD Readout · Four Units Selectable
Nm , kg-cm , ft-lb , in-lb
- Buzzer (warning signal)
- Anti-slip Handle
- Bright LED · 12 LEDs (4 Red+8 Green)



Model	Drive Size (Square)	Teeth	Torque Range		Graduation	Length	Weight	Item No.
	inch		Nm	Nm	Nm	mm	kg	
C-WAP-D23-T30	1/4	36	1.5~30	0.01	390	0.76	411 44 101	
C-WAP-D33-T135	3/8	36	6.8~135	0.1	415	0.94	411 44 102	
C-WAP-D43-T135	1/2	36	6.8~135	0.1	415	0.96	411 44 103	
C-WAP-D43-T200	1/2	36	10~200	0.1	530	1.34	411 44 104	
C-WAP-D43-T340	1/2	36	17~340	0.1	650	1.54	411 44 105	
C-WAP-D63-T500	3/4	48	25~500	0.1	950	2.95	411 44 106	
C-WAP-D63-T850	3/4	48	42.5~850	0.1	1220	4.26	411 44 107	
C-WAP-D83-T1200	1	48	60~1200	1	1800	9	411 44 108	
C-WAP-D83-T1500	1	48	75~1500	1	1800	9	411 44 109	
C-WAP-D83-T2000	1	48	100~2000	1	1800	10.5	411 44 110	

Included accessories: 2x AA Battery • 1x Blow Case

Remark :

- Operating Temperature Range : -10°C~ 60°C , Storage Temperature Range : -20°C~ 70°C , Humidity : Up to 90% non-condensing
- Test Pass: CE test · 1M Drop Test · 10G Vibration Test · Environmental test · Lift test
- Without data memory . For opt. function could selet with torque setting and data memory records.
- Accuracy is guaranteed from 20% to 100% full scale.



C-TWP TFT WIFI / BT Digital Torque Wrench

Also in Interchangeable Design

Features & benefits:

- Torque Accuracy CW:±1% CCW:±2% angle accuracy:±2°
- Accuracy is guaranteed from 20% to 100% full scale.
- Angle setting · set torque/angle value
- 10 sets of presets · 500000 records data memory
- P(Peak Hold)/ T(Track) Mode , Over Maximum torque records.
- TFT screen Readout · Five Units Selectable (N-m, ft-lb, in-lb, kg-cm, Degree)
- Buzzer (warning signal)
- Wireless transmission
- Online Calibration



Wifi



Bluetooth



Model	Drive Size (Square)	Insert Drive Size	Torque Range		Graduation	Length	Weight	Item No.
	inch	mm	Nm	Nm	Nm	mm	kg	
C-TWP-DS2-T30	1/4"	9 x 12	1.5~30	0.01	345	0.7	421 44 801	
C-TWP-DS3-T60	3/8"	9 x 12	3.0~60	0.1	388	0.86	421 44 802	
C-TWP-DS3-T135	3/8"	9 x 12	6.8~135	0.1	417	1.02	421 44 803	
C-TWP-DS4-T135	1/2"	9 x 12	6.8~135	0.1	417	1.02	421 44 804	
C-TWP-DM4-T200	1/2"	14 x 18	10~200	0.1	535	1.47	421 44 805	
C-TWP-DM4-T340	1/2"	14 x 18	17~340	0.1	655	1.65	421 44 806	
C-TBP-DS2-T30	1/4"	9 x 12	1.5~30	0.01	345	0.7	421 44 811	
C-TBP-DS3-T60	3/8"	9 x 12	3.0~60	0.1	388	0.86	421 44 812	
C-TBP-DS3-T135	3/8"	9 x 12	6.8~135	0.1	417	1.02	421 44 813	
C-TBP-DS4-T135	1/2"	9 x 12	6.8~135	0.1	417	1.02	421 44 814	
C-TBP-DM4-T200	1/2"	14 x 18	10~200	0.1	535	1.47	421 44 815	
C-TBP-DM4-T340	1/2"	14 x 18	17~340	0.1	655	1.65	421 44 816	

Included accessories: 18650 Li-ion Battery • 1x Monitoring software • 1x Blow Case

Remark :

- Operating Temperature Range : -10°C~ 60°C , Storage Temperature Range : -20°C~ 70°C , Humidity : Up to 90% non-condensing.
- Test Pass: CE test · 1M Drop Test · 10G Vibration Test · Environmental test · Lift test
- Insert ratchet head is standard. Refer to the catalog for other type Insert head ,please



M-SAR-R Adjustable Torque Screwdriver

Features & benefits:

- Quality meets DIN ISO 6789 & ASME B10.300-2010
- Tolerance of torque $\pm 6\%$
- Locking button enables reliable locking of the torque setting.
- Non-slip ergonomics handle design.
- Automatic slip design when the desire torque setting is achieved, the cam mechanism automatically slips to prevent over-tightening.



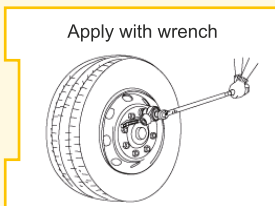
Model	Drive Size	Torque Range	Graduation	Length	Weight	Item No.
	inch	Nm	unit	mm	kg	
M-SAR-R21-T012	1/4" Hex.	0.1-1.2	0.01	180	0.23	402 36 100
M-SAR-R21-T035	1/4" Hex.	1-3.5	0.05	200	0.3	402 36 101
M-SAR-R21-T060	1/4" Hex.	1-6	0.1	200	0.3	402 36 102
M-SAR-R21-T090	1/4" Hex.	4-9	0.1	200	0.3	402 36 103
M-SAR-R21-T100	1/4" Hex.	5-10	0.1	200	0.3	402 36 104
M-SAR-R51-T012	1/4" Sq.	0.1-1.2	0.01	180	0.23	402 36 105
M-SAR-R51-T035	1/4" Sq.	1-3.5	0.05	200	0.3	402 36 106
M-SAR-R51-T060	1/4" Sq.	1-6	0.1	200	0.3	402 36 107
M-SAR-R51-T090	1/4" Sq.	4-9	0.1	200	0.3	402 36 108
M-SAR-R51-T100	1/4" Sq.	5-10	0.1	200	0.3	402 36 109

Included accessories: 1xBlow Case

Torque Multiplier

Features & benefits:

- Tolerance of torque $\pm 6\%$
- Planet gear carrier mechanism makes high transmission efficiency and load capacity.
- With high ratio gearbox, multiplication accuracy could be better.
- Anti-backlash mechanism for safety concern and comfortable operation. (3000/4500Nm ser.)



Model	Torque Range	Ratio	Input Square	Output Square	Weight	Item No.
	Nm	unit	inch	inch	kg	
M-M46-05-T1500	0-1500	5:1	1/2	3/4	6.48	409 36 100
M-M48-05-T1500	0-1500	5:1	1/2	1	6.48	409 36 101
M-M68-05-T2700	0-2700	5:1	3/4	1	6.48	409 36 102
M-M48-15-T3000	0-3000	15.5:1	1/2	1	11.5	409 36 200
M-M48-26-T4500	0-4500	26:1	1/2	1	13.0	409 36 201

Included accessories: 1x 5mm Hex. key • 1xBlow Case



Model Nomenclature

A - ENT - HN2 - S16T108 - V

A: Air Tools

E: Engineered Fastening Tools

B: Blind Rivets • **N:** Rivet Nuts
H: Hammer Rivets • **S:** Rivet Shaver

Handle Type:
A: Angle • **P:** Pistol
S: Straight • **T:** T Handle

G: Gear • **H:** Air Hydraulic • **A:** Air
S: Split • **P:** Pistol • **B:** Bucking Bar

V: Vacuum
D: Digital Module

B: Blow per Minute(bpm)
 (counted by hundreds)
T: Traction Power(Nm)

S: Stroke
R: Free Speed(rpm) (counted by hundreds)

1~9: Ordinal

N: Standard • **M:** Motor • **1:** Wired 1M Length
3: Wired 3M Length • **L:** Low Vibration

Rivet Shaver
1: 5/16 • **2:** 3/8 • **3:** 7/16 • **4:** 1/2 • **5:** 9/16 • **6:** 5/8



Features & benefits:

- Blind rivet nuts M4-M10 (Aluminum/steel/stainless steel)
- High strength alloy steel stud
- Rotation direction while spinning in
- Press lightly trigger for pulling and spinning out.
- Light weight composite body and ergonomically designed, comfortable and reduce vibrations when operating.
- Rubber Boot non-slip and protect in collision.
- Bi-directional 360 rotation air hose universal joint.

Included accessories:

- 1x 1/4" Coupler 1x Ring Hanger

Model	Setting Capacity		Stroke Length	Traction Power	Length	Height	Weight	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure		
Air Rivet Tool	inch/mm		mm	N	mm	mm	kg	Inch	Inch	psi		
A-ENT-HM2-506T157	M4-M10		6	15700	298	277	2.48	1/4	1/4	90		
A-ENT-HM2-S08T245	M4-M12		8	24500	298	305	2.61	1/4	1/4	90		
A-EBT-HN2-S20T49-V	3/32, 1/8, 5/32	24, 3.2, 4.0	20	4900	301	274	1.7	1/4	1/4	90		
A-EBT-HN2-S22T90-V 3/16"	5/32, 3/16	4.0, 4.8	22	9000	298	305	1.9	1/4	1/4	90		
A-EBT-HN2-S25T166-V 1/4"	3/16, 1/4	4.8, 6.4	25	16600	329	321	2.5	1/4	1/4	90		
A-EBT-HN2-S18T225-V 5/16"	5/16	7.8	18	22500	329	321	2.5	1/4	3/8	90		
Air Rivet Shaver	Horse Power	Free Speed	Length	Weight	Air Consumption	Air inlet size	Min. Air Hose ID	Recommend Air Pressure				
	HP	RPM	MM	kg	1/s	inch	inch	PSI				
A-ESP-G41-P09R210	0.9	21000	260	1.2	7.56	1/4	3/8	90				
Air Riveting Hammer	Chisel Shank Size		Setting Capacity (Alum.)	Piston Diameter	Piston Stroke	Blow /min	Length	Weight	Air Consumption	Air Inlet Size	Min. Air Hose ID	Recommend Air Pressure
	inch/mm		inch, mm	mm	mm	bpm	mm	kg	1/s	Inch	Inch	psi
AEH-RPH3 2-4mm	10	3/32-5/32	24	14	58	2300	135	0.91	14.68	1/4	3/8	90
AEH-RPH4 4-5mm	10	5/32-3/16	4-5	14	93	1600	175	1.07	16.68	1/4	3/8	90
A-EHP-PN2-S61828 1/8"	0.401	10.19	3/32-1/6, 2-3mm	14.3	61	2850	110	0.95	4.24	1/4	3/8	90
A-EHP-PN2-568825 5/32"	0.401	10.19	3/32-5/32, 2-4	12.7	68	2580	140	1.13	4.24	1/4	3/8	90
A-EHP-PN2-S101817 3/16"	0.401	10.19	3/32-1/6, 2-3mm	14.3	61	2850	110	0.95	4.24	1/4	3/8	90
A-EHP-PN2-568825 5/32"	0.401	10.19	5/32-3/16, 4-5	12.7	101	1740	180	1.3	4.24	1/4	3/8	90
A-EHP-PN2-5115818 1/4"	0.490	12.65	3/16-1/4, 5-6	19	115	1800	221	1.33	6.36	1/4	3/8	90
A-EHP-PN2-S123817 5/16"	0.498	12.65	1/4-5/16, 6-8	19	123	1700	272	1.4	6.36	1/4	3/8	90
A-EHP-PN2-5159812 3/8"	0.498	12.65	5/16-3/8, 8-10	19	159	1250	287	1.6	6.36	1/4	3/8	90

- ★ Available in Pistol Design, Straight Design
- ★ Drive Available in Square & Hex Drive

Air Random Orbital Sander

KEMP new generation air sander

KEMP new generation air sander with Innovation and patents. Enhance quality on comfort operating and high efficiency. KEMP industrial tool is the best choice.

Full Floating Rotor

Designed to reduce internal friction for a higher power transfer ratio, simplified maintenance, and longer tool life. Polymer rotor provides faster acceleration and lower overall tool weight.



Comfort grips

Improve Comfort feel and reduce Vibration.



Underside SPEED CONTROL

Combines "on-the-fly" speed adjustment while helping to preventing inadvertent switching.

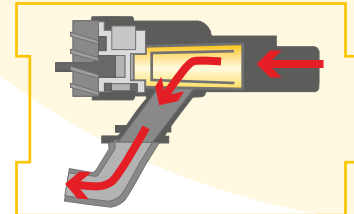


360° rotation air exhaust

It provides different air exhaust directions for users.

Low Noise

Special air exhausted design for Self-Generated vacuum. Air passage through copper muffler for noise reduction.



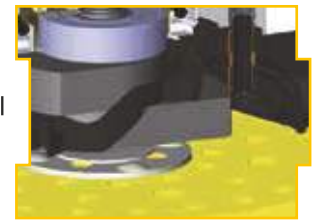
Fan Blade cooling system

For lowering bearing and spindle temperature for longer tool life.



One-piece Motor Shaft and Pad Balancer:

Features heat-treated steel and precision machined construction for smooth and durable operation.



Low profile

The lowest profile in the industry provides unparalleled control, maneuverability, and feedback.



Dual channel vacuum design

Dramatically increases vacuum flow and efficiency.

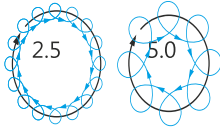


A-FSG-O 3" Air Random Orbital Sander Non Vacuum / Central Vacuum / Self Vacuum

Features & benefits:

- Full floating rotor
- Fan Blade cooling system
- One-piece motor shaft and pad balancer
- Low profile

Orbital Size:



Model	Pad Size		Orbital Size mm	Horse Power hp	Free Speed rpm	Height mm	Length mm	Weight kg	Air Consumption l/s	Item No.
	inch	mm								
A-FSG-O31-O25R120-N	3	77	2.5	0.28	12000	93.5	152.5	0.575	8	150 05 300
A-FSG-O31-O50R120-N	3	77	5.0	0.28	12000	93.5	152.5	0.665	8	150 05 301
A-FSG-O31-O25R120-C	3	77	2.5	0.28	12000	93.5	196.5	0.635	8	150 05 302
A-FSG-O31-O50R120-C	3	77	5.0	0.28	12000	93.5	196.5	0.725	8	150 05 303
A-FSG-O31-O25R120-S	3	77	2.5	0.28	12000	93.5	199.5	0.64	8	150 05 304
A-FSG-O31-O50R120-S	3	77	5.0	0.28	12000	93.5	199.5	0.735	8	150 05 305

Air Pressure: Air Inlet Size 1/4 inch • Min. Air Hose ID 3/8 inch • Recommend Air Pressure 90psi

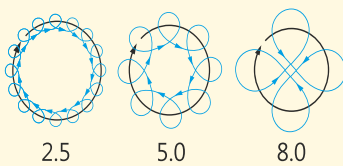
Included accessories: 1x 1/4" Coupler • 1x 24mm Wrench • 1x 6" Pad

A-FSG-O 6" Air Random Orbital Sander Non Vacuum / Central Vacuum / Self Vacuum

Features & benefits:

- Full floating rotor
- Fan Blade cooling system
- One-piece motor shaft and pad balancer
- Low profile

Orbital Size:



Model	Pad Size		Orbital Size mm	Horse Power hp	Free Speed rpm	Height mm	Length mm	Weight kg	Air Consumption l/s	Item No.
	inch	mm								
A-FSG-O61-O25R120-N	6	152	2.5	0.28	12000	86	189	0.77	8	150 05 600
A-FSG-O61-O50R120-N	6	152	5.0	0.28	12000	86	189	0.83	8	150 05 601
A-FSG-O61-O80R120-N	6	152	8.0	0.28	12000	86	189	0.85	8	150 05 602
A-FSG-O61-O25R120-C	6	152	2.5	0.28	12000	86	260	0.85	8	150 05 603
A-FSG-O61-O50R120-C	6	152	5.0	0.28	12000	86	260	0.91	8	150 05 604
A-FSG-O61-O80R120-C	6	152	8.0	0.28	12000	86	260	0.93	8	150 05 605
A-FSG-O61-O25R120-S	6	152	2.5	0.28	12000	86	265	0.86	8	150 05 606
A-FSG-O61-O50R120-S	6	152	5.0	0.28	12000	86	265	0.92	8	150 05 607
A-FSG-O61-O80R120-S	6	152	8.0	0.28	12000	86	265	0.94	8	150 05 608

Air Pressure: Air Inlet Size 1/4 inch • Min. Air Hose ID 3/8 inch • Recommend Air Pressure 90psi

Included accessories: 1x 1/4" Coupler • 1x 24mm Wrench • 1x 6" Pad • 1x Air Hose • 1x Vacuum Hose • 1x Vacuum Bag

A-FSH-O 8" Two Hand Air Random Orbital Sander

Ergonomic Grip

Overmold housing provides for superior vibration absorption for reduced hand fatigue and improved feel of the machine.

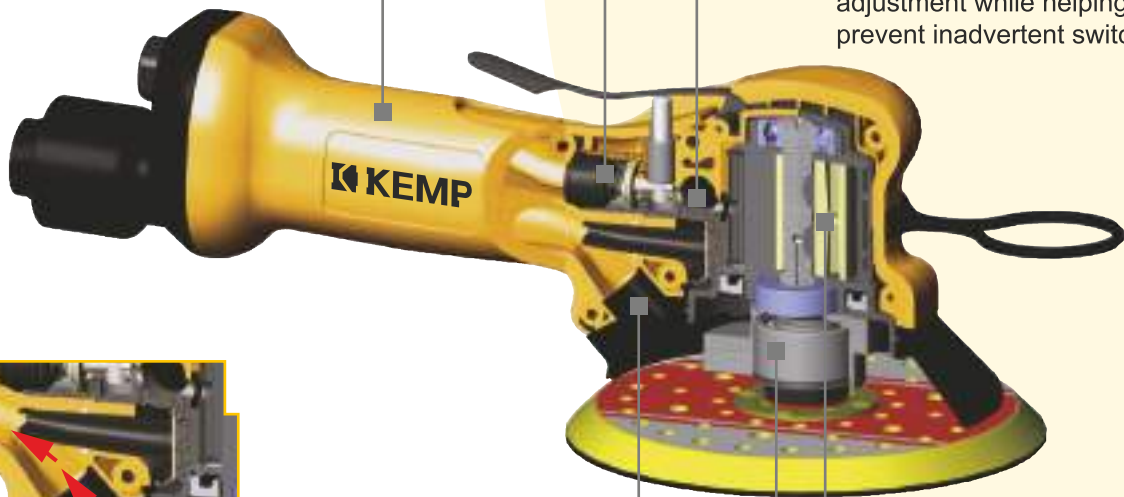
Tip Valve

Provides precise teasing for perfect sander control.



Side mounted Speed Control

Combines "on-the-fly" speed adjustment while helping to prevent inadvertent switching.



Vacuum Channel
Built into housing.

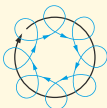
One-piece Motor Shaft And Pad Balancer

Features heat-treated steel and precision machined construction for smooth and durable operation.

Full Floating Rotor

Designed to reduce internal friction for a higher power transfer ratio, simplified maintenance, and longer tool life. Polymer rotor provides faster acceleration and lower overall tool weight.

Orbital Size:



5.0

Model	Vacuum Type	Pad Size		Orbital Size	Horse Power	Free Speed	Height	Length	Weight	Air Consumption	Item No.
		inch	mm								
A-FSH-O81-O50R120-N	Non-Vacuum	8	203	5.0	0.45	12000	112	311.6	1.52	8	150 05 800
A-FSH-O81-O50R120-C	Central-Vacuum	8	203	5.0	0.45	12000	112	352.2	1.56	8	150 05 801
A-FSH-O81-O50R120-S	Self-Vacuum	8	203	5.0	0.45	12000	112	352.2	1.55	8	150 05 802

Air Pressure: Air Inlet Size 1/4 inch • Min. Air Hose ID 3/8 inch • Recommend Air Pressure 90psi

Included accessories: 1x 1/4" Coupler • 1x T-20 Hexalobular internal • 1x Side Handle • 1x 8" Pad
1x Air Hose • 1x Vacuum Hose • 1x Vacuum Bag (Self-Vacuum type)

A-GGA-G 5" Air Angle Grinder

A-GGA-G55-P23R120 the highest power is one of 5 inch class air angle grinder. The governed motor design when used under heavy load, the air intake switch will turn on the maximum flow, so that the motor can output the maximum power.

Best mate for heavy industry, casting, metal processing, naval architecture, auto manufacturers.

Spiral bevel gear

The transmission of gear occlusion is more stable, reducing loss and improving durability.

Spindle Lock

Easy and quick to change pad.



Light Weight & High Power Output

Light weight 2.11 kg only. 2.3hp horse power output . Industrial motor with high strength and durable vane.

Ergonomic Safty Lever

Air valves can be started slowly and speed control during operation.

Back Exhaust Silencer

Reduce noise effective by back exhaust silencer.



Quick Adjust Grinding Wheel Cover

Adjust protection cover by spark angle up to 270°.

Low vibration side handle

Damping design improve comfort feel and reduce vibrations.

Composite Body

Brings comfortable and control for the operator. Insulating grip temperature reduce vibrations.

Model	Wheel Guard Size		Spindle Thread	Horse Power	Free Speed	Length	Weight	Air Consumption	Item No.
	inch	mm							
A-GGA-G55-P23R120	5 x 1/4 x 7/8	125 x 6 x 22.2	5/8-11UNC	2.3	12000	260	2.11	32	162 02 250

Air Pressure: Air Inlet Size 3/8 inch • Min. Air Hose ID 1/2 inch • Recommend Air Pressure 90psi

Included accessories: 1x 3/8" Coupler • 1x Pin type Spanner • 1x 6.35mm Hex. key • 3/8" 5M Exhaust hose • 2x Cable tie • 1x Side handle

Model Nomenclature

A - GGA - G23 - P04R150 - R

A: Air Tools

G: Grinding Tools

M: Micro Die Grinder

D: Die Grinder

G: Grinder

Handle Type:

A: Angle • **E:** Extend • **P:** Pistol

S: Straight • **V:** Vertical

D: Drive • **G:** Gear Box

T: Turbine • **L:** Gearless

R: Rotary Switch
1: Generation

R: Free Speed(rpm)
(counted by hundreds)

P: Horse Power
(Counted by 0.1HP)

01: include the numbers below 0.1HP

1~9: Ordinal

Output Drive Size:

2: 2" • **3:** 3mm (1/8") / **3:** 3" • **4:** 4" • **5:** 5"
6: 6mm (1/4") / **6:** 6" • **7:** 7" • **8:** 8mm • **9:** 9"

Air Angle Grinder

A-GGA-G Air Angle Grinder

Features & benefits:

- For high strength grinding and shaving.
- Compact design for better balance when grip.
- Light weight aluminum body to reduce fatigue when operate.
- Grooved handle design for durable grip.
- Adjustable speed rotate switch.
- Industrial motor with needle bearing extended service life as well as load capacity.



G43



G23



G43



G53



G63 / G73



Lever



Rotary Switch(-R)

Model	Wheel Guard Size		Spindle Thread	Horse Power	Free Speed	Length	Weight	Air Consumption	Item No.
	inch	mm	inch	hp	rpm	mm	kg	l/s	
A-GGA-G23-P04R150-R	2 x 5/32 x 3/8	50 x 4 x 9.5	1/4-28UNF	0.4	15000	157	0.6	6.67	162 60 220
A-GGA-G23-P04R150	2 x 5/32 x 3/8	50 x 4 x 9.5	1/4-28UNF	0.4	15000	188	0.7	6.67	162 60 221
A-GGA-G43-P05R135-R	4 x 1/4 x 5/8	100 x 6 x 15.8	M8	0.5	13500	180	1.2	6.7	162 60 240
A-GGA-G43-P05R135	4 x 1/4 x 5/8	100 x 6 x 15.8	M8	0.5	13500	180	1.2	6.7	162 60 241
A-GGA-G43-P08R135-R	4 x 1/4 x 5/8	100 x 6 x 15.8	M8	0.8	13500	216	2.22	10.83	162 60 242
A-GGA-G43-P08R135	4 x 1/4 x 5/8	100 x 6 x 15.8	M8	0.8	13500	272	2.22	10.83	162 60 243
A-GGA-G53-P10R120-R	5 x 1/4 x 7/8	125 x 6 x 22.2	5/8-11UNC	1.0	12000	257	2.33	13	162 60 250
A-GGA-G53-P10R120	5 x 1/4 x 7/8	125 x 6 x 22.2	5/8-11UNC	1.0	12000	261	2.33	13	162 60 251
A-GGA-G63-P16R90-R	6 x 1/4 x 7/8	150 x 6 x 22	W1/2-16(F)	1.6	9000	252	2.9	18.33	162 60 260
A-GGA-G63-P16R90	6 x 1/4 x 7/8	150 x 6 x 22	W1/2-16(F)	1.6	9000	353	3	18.33	162 60 261
A-GGA-G73-P16R70-R	7 x 1/4 x 7/8	180 x 6 x 22.2	5/8-11UNC	1.6	7000	252	2.9	18.33	162 60 270
A-GGA-G73-P16R70	7 x 1/4 x 7/8	180 x 6 x 22.2	5/8-11UNC	1.6	7000	353	3	18.33	162 60 271

Included accessories:

A-GGA-G23-P04R150(-R): 1x 1/4" Coupler • 1x 19mm Open-end wrench • 1x 5mm Hex. key

A-GGA-G43-P05R135(-R): 1x 1/4" Coupler • 1x Claw wrench • 1x 6mm Hex. key

Air Pressure: Air Inlet Size 1/4 inch • Min. Air Hose ID 3/8 inch • Recommend Air Pressure 90psi

A-GGA-G43-P08R135(-R): 1x 3/8" Coupler • 1x 32mm Open-end wrench • 1x 6mm Hex. key • 1x Side Handle

A-GGA-G53-P10R120(-R): 1x 3/8" Coupler • 1x 26mm Open-end wrench • 1x 3/8 Hex. key • 1x Side Handle

A-GGA-G63-P16R90(-R): 1x 3/8" Coupler • 1x 26mm Open-end wrench • 1x 8mm Hex. key • 1x Side Handle

A-GGA-G73-P16R70(-R): 1x 3/8" Coupler • 1x 26mm Open-end wrench • 1x 8mm Hex. key • 1x Side Handle

Air Pressure: Air Inlet Size 3/8 inch • Min. Air Hose ID 1/2 inch • Recommend Air Pressure 90psi

Material Removal Tools

How to choose drill :

Step 1 Material

Step 2 Drilling Size

Step 3 Type

3.1 Handle Type

(Pistol, Straight, Angle, Angle Head)

3.2 Forward or Reversible

3.3 Horsepower and Strength

3.4 Free Speed

3.5 Collet type

[Key Chuck, Keyless Chuck, Threaded Shank, Collet Chuck(Elastic chuck)]

Handle Type



Pistol



Straight



Angle

Forward or Reversible



Forward



Reversible

Drill size and speed chart :

The drill size chart provides a list of standard size drill bits and speed for make decisions.

Pre-drilling to keep high efficiency suggestion. Drilling size more than 6mm(1/4") on Stainless Steel, Forged Seel, Titanium Alloy. Drilling size more than 8mm(5/16") on Malleable Cast iron, Low Carbon Steel, Soft Cast Iron, Plastic.

Material	Stainless Steel	Forged Seel	Titanium Alloy	Malleable Cast iron	Low Carbon Steel	Soft Cast Iron Plastic	Aluminum Alloy Brass Bronze	Magnesium Alloy	Wood
Speed (m/min)	9-12	12-15	15-18	24-33	24-27	30-45	60-90	75-120	90-120
Drilling Size (mm)									
3	1100	1750	2700	2700	3000	4000	8000	10400	11000
4	840	1300	2000	2000	2200	3000	6000	7800	8400
5	660	1050	1600	1600	1800	2400	4800	6200	6700
6	550	880	1350	1350	1500	2000	4000	5200	5600
8	420	660	1000	1000	1100	1500	3000	3900	4200
10	330	630	800	800	900	1200	2400	3100	3300
12	280	440	700	700	750	1000	2000	2600	2800
13	260	400	630	630	700	920	1800	2400	2550

Model Nomenclature

A - MDP - G32 - P06R20 - R

A: Air Tools

M: Material Removal Tools

D: Drills • **F:** File • **A:** Aerospace Drills
C: Cut off • **S:** Saws

Handle Type:

A: Angle • **E:** Extend • **D:** D Handle
T: T Handle • **H:** Two Hand
G: Palm Handle(Grip) • **P:** Pistol
S: Straight • **V:** Vertical

K: Kit • **R:** Rotary Switch

R: Free Speed(rpm)

B: Blow per Minute(bpm)
(counted by hundreds)

S: Stroke • **P:** Horse Power
(Counted by 0.1HP)

01: include the numbers below 0.1HP

1~9: Ordinal

Output Drive Size:

2: 1/4" • **3:** 3/8" / 3" • **4:** 1/2" / 4"

G: Gear Box • **D:** Drive • **P:** Pistol



Features & benefits:

- Output 0.4HP, drill capability Ø6mm(1/4") and below.
- Industrial collet chuck brings high precision and service life.
- Air valves can be started slowly and speed control during operation.
- High precision motor and industrial durable vane.
- Rubber grip brings comfortable and reduce vibrations.

Included accessories:

- 1x 1/4" Coupler 1x 1/4" Drill Chuck Key

Material		Stainless Steel	Forged Steel	Titanium Alloy	Malleable Cast iron	Low Carbon Steel	Soft Cast Iron Plastic	Aluminum Alloy Brass Bronze	Magnesium Alloy	Wood
Drilling Size (mm)	Speed (m/min)	9-12	12-15	15-18	24-33	24-27	30-45	60-90	75-120	90-120
3	1100	1750	2700	2700	3000	4000	8000	10400	11000	
4	840	1300	2000	2000	2200	3000	6000	7800	8400	
5	660	1050	1600	1600	1800	2400	4800	6200	6700	
6	550	880	1350	1350	1500	2000	4000	5200	5600	
8	420	660	1000	1000	1100	1500	3000	3900	4200	
10	330	630	800	800	900	1200	2400	3100	3300	
12	280	440	700	700	750	1000	2000	2600	2800	
13	260	400	630	630	700	920	1800	2400	2550	

Model	Spindle Thread	Chuck Size		Horse Power	Free Speed	Length	Weight	Air Consumption
		inch	MM					
A-MDP-G Air Drill	inch	inch	MM	hp	rpm	mm	kg	1/s
G21-P04R52	3/8-24T	1/4	6	0.4	5200	143	0.72	4.24
G21-P04R38	3/8-24T	1/4	6	0.4	3800	143	0.72	4.24
G21-P04R32	3/8-24T	1/4	6	0.4	3200	143	0.72	4.24
G21-P04R24	3/8-24T	1/4	6	0.4	2400	165	0.81	4.24
G21-P04R10	3/8-24T	1/4	6	0.4	1000	165	0.81	4.24

- ★ Available in Pistol Design, Straight Design
- ★ Drive Available in Square & Hex Drive



Features & benefits:

- Output 0.4HP, drill capability Ø6mm(1/4") and below.
- Industrial collet chuck brings high precision and service life.
- Air valves can be started slowly and speed control during operation.
- High precision motor and industrial durable vane.
- Rubber grip brings comfortable and reduce vibrations.

Included accessories:

- 1x 1/4" Coupler 1x 1/4" Drill Chuck Key

Model	Spindle Thread	Chuck Size		Horse Power	Free Speed	Length	Weight	Air Consumption
		inch	MM					
A-MDP-G	inch	inch	MM	hp	rpm	mm	kg	1/s
G21-P04R31-R	3/8-24T	1/4	6	0.4	3100	195	0.76	3.16
G21-P04R20-R	3/8-24T	1/4	6	0.4	2000	195	0.76	3.16
G22-P06R250	3/8-24T	1/4	6	0.6	25000	140	0.74	7.56
G22-P06R56	3/8-24T	1/4	6	0.6	5600	185	0.95	7.56
G22-P06R40	3/8-24T	1/4	6	0.6	4000	185	1	7.56
G32-P06R28	3/8-24T	3/8	10	0.6	2800	200	1	7.56
G42-P06R05	1/2-20T	1/2	13	0.6	500	240	1.4	7.56
G32-P06R20-R	3/8-24T	3/8	10	0.6	2800	215	1	7.56
G42-P06R07-R	1/2-20T	1/2	13	0.6	700	252	1.4	7.56
G22-P10R210	3/8-24T	1/4	6	1.0	21000	225	1	7.56
G32-P10R35	1/2-20T	3/8	10	1.0	3500	218	1.1	7.56
G32-P10R26	3/8-24T	3/8	10	1.0	2600	218	1.1	7.56
G42-P10R06	1/2-20T	1/2	13	1.0	600	258	1.5	7.56
G32-P10R28-R	3/8-24T	3/8	10	1.0	2800	234	1.1	7.56
G32-P10R15-R	3/8-24T	3/8	10	1.0	1500	234	1.1	7.56
G42-P10R05-R	1/2-20T	1/2	13	1.0	500	272	1.6	7.56
G42-P10R02-R	1/2-20T	1/2	13	1.0	250	272	1.6	7.56

- ★ Available in Pistol Design, Straight Design
- ★ Drive Available in Square & Hex Drive

CBI Series Multistep Torque Adjustment Wrench



Integrated brushless motor design ensures high stability and long service life.

Utilizes chromium-nickel alloy steel impact components, wear-resistant and impact-resistant for extended product lifespan.

LED illumination improves visibility in work environments with insufficient lighting.

1. Multi-steps torque adjustment design to meet the needs of different working position.
2. Pre-warning function if the torque does not reach the set value.

Flexible and powerful battery system

- Available in 18V 2.0Ah and 4.0Ah capacities.
- Equipped with a charge and discharge management mainboard.

The forward/reverse drive selector switch determines the direction of rotation of the drive, for a more user-friendly operation.

With 30 Steps of Torque Settings



Model	Drive Size	Torque Range	Free Speed	LxWxH	Battery Voltage	Item No.
	inch	Nm	rpm	mm	V	
CBI-AH235	1/4 Hex.	15-40	1800	155 x 77 x 267	18	203 89 101
CBI-AD335	3/8 Sq.	15-40	1800	170 x 77 x 265	18	203 89 111
CBI-AH260	1/4 Hex.	20-60	1800	164 x 77 x 265	18	203 89 103
CBI-AD360	3/8 Sq.	25-75	1800	170 x 77 x 265	18	203 89 113
CBI-AD4120	1/2 Sq.	30-120	1800	170 x 77 x 265	18	203 89 105
CBI-AD4200	1/2 Sq.	100-200	1700	185 x 77 x 264	18	203 89 107
CBI-AD4300	1/2 Sq.	130-300	1880	203 x 85 x 278	18	203 89 108
CBI-AD6400	3/4" Sq.	180-400	1550	253 x 81 x 287	18	203 89 109

Also available in 3/4 & 1 inch square drive with **1300 Nm** and **2300 Nm** of Torque with Three- Stage Torque Adjustment that allows user to select the appropriate Impact force

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