



Industrial tools & accessories

Ergonomics and technology
for your production operations

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Industrial tools Information



The upgrade for your production operations!
Production levels redefined!
Quality & progress!

Industrial tools The upgrade for your production

Our industrial tools and accessories feature high-end, hard-wearing battery and electronic technology to help you deal with any manufacturing challenge.

They achieve the highest quality standards and optimum durability – a combination that results in supreme user-friendliness and flexibility and enables you to take on tasks under the toughest conditions. Thanks to their perfect size and weight, our industrial tools are the ideal companions for daily professional use.

Durability and optimum energy efficiency meet ultimate precision

Experience process optimisation at a whole new level.

- Robust housing
- No awkward cables
- Excellent precision and repeatability
- Tailor-made accessories



Comfortable form coupled
with precision & durability

Wireless quality assurance Production levels redefined

Quality and quantity

Our GF-ION-(ANGLE)-EXACT cordless screwdrivers – when combined with the GF-ION-EXAConnect controller – are smart tools that proactively contribute to quality assurance:

- The GF-ION-EXAConnect controller issues your commands directly to the EXACT screwdrivers.
- Work progress is stored in real time.
- The system can communicate with external devices such as barcode scanners, process computers and PLCs and receive the corresponding commands.
- Program your system in line with your requirements. Tailor it to the workpiece, screw and/or the number of screwdriving applications.
- Count individual screwdriving applications or the entire screwdriving task.

Experience a whole new quality standard in assembly

Identify cross-threading on screws or even when a screw is missing. Help your staff with their work and make sure fixings are never forgotten again.

Keep track of battery charge, whether a screw has been tightened correctly and whether the power tool is locked, unlocked or out of range.

The GF-ION-EXACT-Connect-System collects and reports all data. Don't take any chances, and your assembly process will always run smoothly.

Keep track of your screw connections



GF-ION-EXAConnect – developed to help you forge ahead

Monitoring your assembly line starts here

Multi-channel management

Use the controller to manage up to four tools.

Connection

Link your process network to a connected GF-ION cordless screwdriver (WLAN).

Touchscreen

Fast and focused input thanks to rapid response times.

Housing

Optimum protection thanks to stable metal housing.



WLAN

The controller for WLAN (2.4-5.8 GHz). Channels can be selected separately.

Minimum space requirements

Thanks to its small size of ~8,5 dm³, the GF-ION-EXAConnect 3.0 takes up little space and can therefore be installed in lots of places.

Flexibility

- Solution suitable for multiple wireless tools
- A single connection to the in-house system
- Compatible with all wireless GF-ION cordless screwdrivers

Provision

- Connect tools quickly and conveniently
- Transfer data and settings rapidly from one Connect to another using the back-up memory (RIM)
- Avoid the risk of errors in network settings thanks to the simple connection process

Productivity

- Data integrity
- Bidirectional real-time exchange >> Every screwdriver knows precisely what it has to do and when
- Optimising the screw-fixing process
- End-to-end process monitoring with additional accessories

GF-ION-(ANGLE)-EXACT – power and precision in one

Impressive power that is easy to handle

Maximum repeatability

Thanks to adjustable, mechanical shut-off clutch.

Switching between left/right rotation

Optimum one-handed switchover.

Wireless quality assurance

Individual and collective jobs are issued via WLAN (WiFi) or Bluetooth and the results are reported back.

Ergonomics

Balanced weight distribution and a low weight of ~1.3 kg ensure optimum ergonomics and comfort while working.



LED light

Optimum lighting for the work area thanks to bright LED lighting.

Optical display

Visual and acoustic signals for the screw-driving results and battery charge ensure maximum process reliability.

Batteries

High-quality lithium-ion technology maximizes service life.

Precision

- LED light keeps the work area perfectly lit up
- Repeat protection
- High precision and repeatability even after a million screws

Durability

- Motor – brushless motor technology
- Torque can only be set using a special tool
- Robust housing – extremely strong with minimal energy loss
- Visual and acoustic shut-off signals

Energy efficiency

- Lower operating costs thanks to low-voltage power supply
- Brushless EC motor technology
- End-to-end process monitoring with additional accessories

An unbeatable combination

Keeping track



Advantages

- Simple screwdriver configuration on a PC
- Control, counting function and screwdriver status, including wireless transmission (WLAN)
- Adjustable screwdriver strategies
- Running multiple screwdrivers (4 units) in parallel is no problem
- No cables or hoses to get in the way
- Cost-efficient: Use familiar cordless screwdriver technology, existing charging technology and accessories

Parameter setting

- The GF-ION-EXACT 18V-LI WLAN connects to a PC via a USB cable and can be adjusted using two configurators
- The screwdriving stages are activated individually using the original BOSCH EXACT configurator
- Parameters include direction of rotation, speed, time and revolutions
- The necessary settings for the WLAN connection are adjusted via the GF-ION configurator

Features

- Adjustable repeat protection and double-hit detection
- Multi-stage screwdriving can be set
- Rotation to left with OK signal possible
- Suitable for connection to database, identity and conveying systems, and to a pre-existing WLAN infrastructure
- The screwdriver, battery, connection and enabling status are shown using LEDs on the screwdriver and are displayed on a PC
- Adaptable communication can be achieved between a PC and higher-level controller
- On request, customer-specific data protocols can be created and stored on the PC
- Batteries can be changed without losing connection (max. 25 seconds)
- Batteries can be changed without losing data



Tried-and-tested quality combined with all-round effectiveness.

syskomp gehmeyr A dependable partner for over 50 years

The success story behind the syskomp Group stretches back over 50 years.

Starting out in 1960 as a straightforward trading operation, the company has developed into a specialist for flexible and customised solutions in the field of assembly technology and industrial automation.

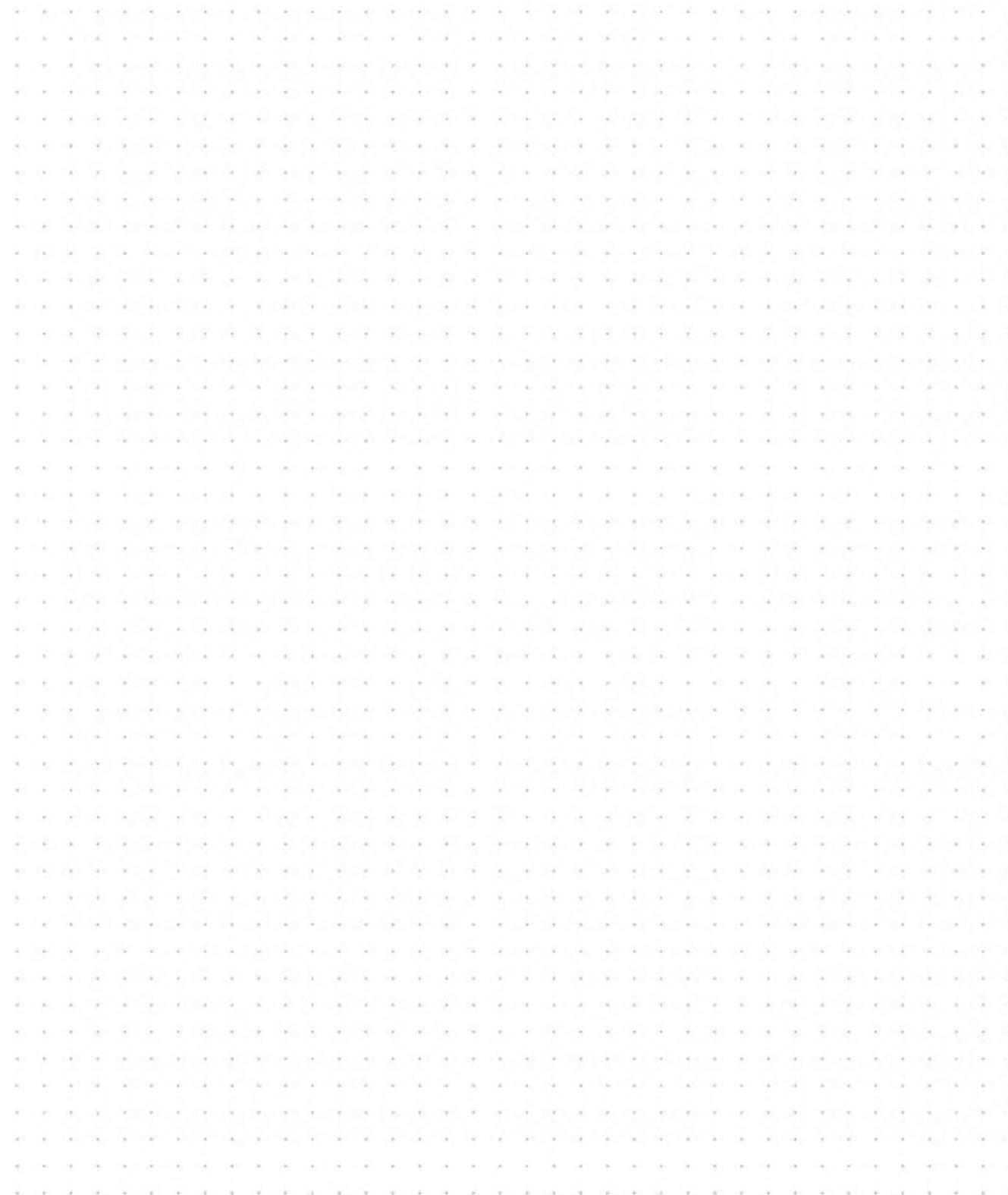
The Group consists of syskomp gehmeyr GmbH, which is headquartered in Amberg (Germany), our sites in Regensburg and Medingen (Germany), the emico division in Amberg and bfm GmbH in Wöllersdorf (Austria).

We offer our customers ultimate reliability and maximum expertise. Our holistic approach to business ensures we can develop the optimum processes to suit a specific customer application. From the very start through to the handover, we are a skilled contact for our customers, covering all phases of the project, from initial consulting to successful commissioning.



The head office of the syskomp Group in Amberg (Germany).

Your notes



Industrial tools Technical data | order configuration



WiFi & Bluetooth controllers

Cordless screwdrivers

Charging stations & accessories

GF-ION-EXAConnect

The controller for WLAN (WiFi)

Image	Device features	Order No.
	Designation GF-EXAConnect WLAN 3.0, incl. software*	G 602 093 253
	Dimensions 341 x 281 x 89 mm	
	Weight max. 4 kg	
	Installation 100 x 100 mm VESA hole pattern, M4 thread, length: 5 mm	
	Voltage supply 90 - 305 VAC (47 - 63 Hz) or 124 - 431 VDC	
	Power consumption 16 W (in normal operation)	
	Temperature range 0°C to 50°C (storage) 10°C to 45°C (operation)	
	Humidity 20% - 90%, non-condensing	
	Protection class IP 40 (protected against solid foreign objects of ≥ 1.0 mm Ø)	
	Wireless network 802.11 ac/a/b/g/n, channels 1-13 (2.4 GHz) and 36, 40, 44, 48, 149, 153, 157, 161 and 165 2 antennae	
Display 10.4" TFT with resistive touchscreen Resolution: 800 x 600 pixels Type: 400 cd/m ² min. 300 cd/m ²		
Connections 6x USB 2.0 (5x internal, 1x external) 1x RJ45 Gigabit LAN IEEE 802.3 1x HDMI		
	Optional accessories IO-Card V04 The inputs/outputs are used to control the GF-EXAConnect WLAN for a PLC (programmable logic controller).	7 148 000 012

Compatible screwdrivers

GF-ION-EXACT 18V-LI WLAN 	GF-ION-EXACT WK 18V-LI WLAN 	GF-ION-ANGLE-EXACT 18V-LI WLAN 
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Facts

- The link between your process network and the GF-ION cordless screwdriver connected via WLAN (WiFi).
- Bidirectional exchange: Information about the screwdriving process is exchanged in real time.
 >> Every GF-ION cordless screwdriver knows what it has to do and when.
- Control up to four GF-ION screwdrivers at the same time
 >> More economical than other systems

*Compatible screwdrivers

- GF-ION-EXACT 18V-LI WLAN
- GF-ION-EXACT WK 18V-LI WLAN
- GF-ION-ANGLE-EXACT 18V-LI WLAN

Advantages

Manage up to four tools
 All relevant settings are parametrised in several menus
 Access rights for up to four users, password protected, can be set individually
Standalone operating mode: Up to 99 jobs can be parametrised separately
 Following previous protocol modification: Screwdriving jobs can be read in directly from overarching databases and the results fed back.
 WLAN (WiFi) settings can be customised in line with IT requirements.

WLAN centre grip screwdrivers

An evolution of the GF-EXACT

Image	Type / description	Speed*	Torque	Order No.
	GF-ION-EXACT 18V-LI WLAN (WiFi) With EC motor & 2.4 - 5.8 GHz WLAN (WiFi) (18 V Li-ion technology)			
	GF-ION-EXACT 18V-LI WLAN 2 - 700	70 - 700 rpm	0,6 - 2,0 Nm	G 602 093 130
	GF-ION-EXACT 18V-LI WLAN 4 - 2000	200 - 2000 rpm	1,0 - 4,0 Nm	G 602 093 131
	GF-ION-EXACT 18V-LI WLAN 6 - 1500	150 - 1500 rpm	1,0 - 6,0 Nm	G 602 093 132
	GF-ION-EXACT 18V-LI WLAN 8 - 1100	110 - 1100 rpm	1,5 - 8,0 Nm	G 602 093 133
	GF-ION-EXACT 18V-LI WLAN 12 - 700	70 - 700 rpm	1,5 - 12,0 Nm	G 602 093 134
	GF-ION-EXACT 18V-LI WLAN 12 - 450	45 - 450 rpm	1,5 - 12,0 Nm	G 602 093 135
	GF-ION-EXACT WK 18V-LI WLAN (WiFi) With EC motor & 2.4 - 5.8 GHz WLAN (WiFi) and flange for angle heads (18 V Li-ion technology)			
	GF-ION-EXACT WK 18V-LI WLAN 6 - 1500	105 - 1050 rpm	2,0 - 8,0 Nm	G 602 093 170
	GF-ION-EXACT WK 18V-LI WLAN 8 - 1100	75 - 750 rpm	2,0 - 11,0 Nm	G 602 093 171
	GF-ION-EXACT WK 18V-LI WLAN 12 - 700	50 - 500 rpm	2,0 - 16,0 Nm	G 602 093 172
	GF-ION-EXACT WK 18V-LI WLAN 12 - 450	32 - 320 rpm	2,0 - 16,0 Nm	G 602 093 173
	GF-ION-EXACT 18V-LI WLAN (WiFi) - Open Protocol With EC motor and 2.4 - 5.8 GHz WLAN (WiFi) (18 V Li-ion technology)			
	GF-ION-EXACT 18V-LI WLAN 2 - 700	70 - 700 rpm	0,6 - 2,0 Nm	G 602 093 110
	GF-ION-EXACT 18V-LI WLAN 4 - 2000	200 - 2000 rpm	1,0 - 4,0 Nm	G 602 093 111
	GF-ION-EXACT 18V-LI WLAN 6 - 1500	150 - 1500 rpm	1,0 - 6,0 Nm	G 602 093 112
	GF-ION-EXACT 18V-LI WLAN 8 - 1100	110 - 1100 rpm	1,5 - 8,0 Nm	G 602 093 113
	GF-ION-EXACT 18V-LI WLAN 12 - 700	70 - 700 rpm	1,5 - 12,0 Nm	G 602 093 114
	GF-ION-EXACT 18V-LI WLAN 12 - 450	45 - 450 rpm	1,5 - 12,0 Nm	G 602 093 115
	GF-ION-EXACT WK 18V-LI WLAN (WiFi) - Open Protocol With EC motor and 2.4 - 5.8 GHz WLAN (WiFi) and angle head with 3/8" external square (18 V Li-ion technology)			
	GF-ION-EXACT WK 18V-LI WLAN 6 - 1500	105 - 1050 rpm	2,0 - 8,0 Nm	G 602 093 160
	GF-ION-EXACT WK 18V-LI WLAN 8 - 1100	75 - 750 rpm	2,0 - 11,0 Nm	G 602 093 161
	GF-ION-EXACT WK 18V-LI WLAN 12 - 700	50 - 500 rpm	2,0 - 16,0 Nm	G 602 093 162
	GF-ION-EXACT WK 18V-LI WLAN 12 - 450	32 - 320 rpm	2,0 - 16,0 Nm	G 602 093 163

* At speeds of less than 50%, power may be reduced

Facts

- Adjustable repeat protection and double-hit detection
- Multi-stage screwdriving can be set
- Rotation to left with OK signal possible
- Suitable for connection to database, identity and conveying systems, and to a pre-existing WLAN infrastructure
- The screwdriver, battery, connection & enabling status are shown using LEDs on the screwdriver & are displayed on a PC
- Adaptable communication can be achieved between a PC and higher-level controller.
- Batteries can be changed without losing data or connection

Advantages

- Simple screwdriver configuration on a PC
- Controller / counting function / screwdriver status, including wireless transmission via 2.4 - 5.8 GHz WLAN
- Various screwdriving strategies can be set
- Multiple WLAN screwdrivers can be operated in parallel with no problem
- No cables or hoses to get in the way
- Cost-efficient: Use familiar cordless screwdriver technology and existing charging technology/accessories

Parameter setting

- Connect to a PC via USB cable
- Settings are made using two configurators
- Individual activation of screwdriving stages using the original BOSCH EXACT configurator.
- Necessary adjustment of the WLAN connection via the GF-ION configurator

WLAN angle screwdrivers

An evolution of the GF-ANGLE-EXACT

Image	Type / description	Angle head	Speed*	Torque	Order No.
	GF-ION-ANGLE-EXACT- 18V-LI WLAN (WiFi) With EC motor & 2.4 - 5.8 GHz WLAN (WiFi) (18 V Li-ion technology)				
	GF-ION-ANGLE-EXACT 18V-LI WLAN 3 - 500	-	50 - 520 rpm	0,7 - 3,0 Nm	G 602 093 243
	GF-ION-ANGLE-EXACT 18V-LI WLAN 8 - 1100	-	110 - 1100 rpm	2,0 - 8,0 Nm	G 602 093 230
	GF-ION-ANGLE-EXACT 18V-LI WLAN 15 - 500	-	50 - 500 rpm	2,0 - 15,0 Nm	G 602 093 231
	GF-ION-ANGLE-EXACT 18V-LI WLAN 23 - 380	-	38 - 380 rpm	8,0 - 23,0 Nm	G 602 093 232
	GF-ION-ANGLE-EXACT 18V-LI WLAN 30 - 290	-	29 - 290 rpm	10,0 - 30,0 Nm	G 602 093 233
	GF-ION-ANGLE-EXACT 18V-LI WLAN 30 - 300	3/8" external square	30 - 300 rpm	10,0 - 30,0 Nm	G 602 093 234
	GF-ION-ANGLE-EXACT 18V-LI WLAN 40 - 220	3/8" external square	22 - 220 rpm	15,0 - 40,0 Nm	G 602 093 235
	GF-ION-ANGLE-EXACT 18V-LI WLAN 50 - 210	3/8" external square	18 - 180 rpm	15,0 - 50,0 Nm	G 602 093 236
	GF-ION-ANGLE-EXACT 18V-LI WLAN 60 - 120	3/8" external square	12 - 120 rpm	20,0 - 60,0 Nm	G 602 093 237
	GF-ION-ANGLE-EXACT- 18V-LI WLAN (WiFi) - Open Protocol With EC motor & 2.4 - 5.8 GHz WLAN (WiFi) (18 V Li-ion technology)				
	GF-ION-ANGLE-EXACT 18V-LI WLAN 3 - 500	-	50 - 520 rpm	0,7 - 3,0 Nm	G 602 093 210
	GF-ION-ANGLE-EXACT 18V-LI WLAN 8 - 1100	-	110 - 1100 rpm	2,0 - 8,0 Nm	G 602 093 211
	GF-ION-ANGLE-EXACT 18V-LI WLAN 15 - 1500	-	50 - 500 rpm	2,0 - 15,0 Nm	G 602 093 212
	GF-ION-ANGLE-EXACT 18V-LI WLAN 23 - 380	-	38 - 380 rpm	8,0 - 23,0 Nm	G 602 093 213
	GF-ION-ANGLE-EXACT 18V-LI WLAN 30 - 290	-	29 - 290 rpm	10,0 - 30,0 Nm	G 602 093 214
	GF-ION-ANGLE-EXACT 18V-LI WLAN 30 - 300	3/8" external square	30 - 300 rpm	10,0 - 30,0 Nm	G 602 093 215
	GF-ION-ANGLE-EXACT 18V-LI WLAN 40 - 220	3/8" external square	22 - 220 rpm	15,0 - 40,0 Nm	G 602 093 216
	GF-ION-ANGLE-EXACT 18V-LI WLAN 50 - 210	3/8" external square	18 - 180 rpm	15,0 - 50,0 Nm	G 602 093 217
	GF-ION-ANGLE-EXACT 18V-LI WLAN 60 - 120	3/8" external square	12 - 120 rpm	20,0 - 60,0 Nm	G 602 093 218

* At speeds of less than 50%, power may be reduced

Facts

- Adjustable repeat protection and double-hit detection
- Multi-stage screwdriving can be set
- Rotation to left with OK signal possible
- Suitable for connection to database, identity and conveying systems, and to a pre-existing WLAN infrastructure
- The screwdriver, battery, connection and enabling status are shown using LEDs on the screwdriver and are displayed on a PC
- Adaptable communication can be achieved between a PC and higher-level controller.
- Batteries can be changed without losing data or connection

Advantages

- Simple screwdriver configuration on a PC
- Controller / counting function / screwdriver status, including wireless transmission via 2.4 - 5.8 GHz WLAN
- Various screwdriving strategies can be set
- Multiple WLAN screwdrivers can be operated in parallel with no problem
- No cables or hoses to get in the way
- Cost-efficient: Use familiar cordless screwdriver technology and existing charging technology/accessories

Parameter setting

- Connect to a PC via USB cable
- Settings are made using two configurators
- Individual activation of screwdriving stages using the original BOSCH EXACT configurator.
- Necessary adjustment of the WLAN connection via the GF-ION configurator

WLAN centre grip & angle screwdrivers

Accessories

Image	Type / description	Order No.
	Parameterisation software For updating the GF-ION-EXACT and GF-ION-ANGLE-EXACT	G 602 093 239
	USB connecting cable For updating the GF-ION-EXACT	G 602 090 154
	Replacement battery 18 V 2.0 Ah 18 V 4.0 Ah	2 607 336 905 2 607 336 815
	Charger 18 V 5,0 Ah GAL 1880 CV Professional	2 607 225 921
	Torque adjustment key	3 607 950 027
	Holder for the GF-ION-EXACT Compatible with all SG centre grip screwdrivers Plastic holder - without protector Plastic holder - with protector	G 840 080 806 G 840 080 808
	Screwdriver hanger for the GF-ION-ANGLE-EXACT Compatible with all SG angle screwdrivers Small, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 2 – 15 and all SEC models) Large, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 17 – 30) Rotating screwdriver hanger (ANGLE EXACT ION models)	G 610 050922 G 610 050 923 G 610 050 924



Wireless assembly – stay flexible in every process!

GF-ION-EXAConnect 2.0 Bluetooth

The controller for Bluetooth (BT)

Image	Device features	Order No.
	Designation GF-ION-EXAConnect 2.0 Bluetooth, including software*	G 602 093 220
	Dimensions 195 x 185 x 85 mm	
	Weight 0,91 kg	
	Installation Two 22 mm cross head screws are needed for a wall fixing (M4 x 20; 8 mm head diameter)	
	Voltage supply 100 - 240 V	
	Power consumption 150 mA	
	Temperature range 5 - 70°C	
	Protection class IP54	
	Wireless network Bluetooth	
	Display Display for status codes	
Connections Bluetooth wireless technology Class 2 (Specification 1.2) - RS422 (2x serial) Ethernet (1x)		

 A simple update on the EXAConnect 3.0 ensures that both variants – the pre-existing BOSCH BT screwdrivers and the new GF-ION-EXACT 18V-LI BT models – can be run.

Compatible screwdrivers		
GF-ION-EXACT 18V-LI BT 	GF-ION-EXACT WK 18V-LI BT 	GF-ION-ANGLE-EXACT 18V-LI BT 

Facts

- The EXAConnect controller is the link between your process network and the BT-EXACT cordless screwdriver that connects via Bluetooth.
- Information about the screwdriving process can be exchanged in both directions in real time to ensure that every BT-EXACT cordless screwdriver knows exactly what it has to do and when.
- Control up to four GF-ION screwdrivers at the same time
 >> More economical than other systems

*Compatible screwdrivers

- GF-ION-EXACT 18V-LI BT
- GF-ION-EXACT WK 18V-LI BT
- GF-ION-ANGLE-EXACT 18V-LI BT

Advantages

- Pre-existing BOSCH EXAConnect 2 systems can be updated.
- The network connection does not need to be modified. Pre-existing tools can still be used.

Bluetooth centre grip screwdrivers

An evolution of the GF-EXACT

Image	Type / description	Speed*	Torque	Order No.
	GF-ION-EXACT 18V-LI BT (Bluetooth) With EC motor & Bluetooth (18 V Li-ion technology)			
	GF-ION-EXACT 18V-LI BT 2 - 700	70 - 700 rpm	0,6 - 2,0 Nm	G 602 093 100
	GF-ION-EXACT 18V-LI BT 4 - 2000	200 - 2000 rpm	1,0 - 4,0 Nm	G 602 093 101
	GF-ION-EXACT 18V-LI BT 6 - 1500	150 - 1500 rpm	1,0 - 6,0 Nm	G 602 093 102
	GF-ION-EXACT 18V-LI BT 8 - 1100	110 - 1100 rpm	1,5 - 8,0 Nm	G 602 093 103
	GF-ION-EXACT 18V-LI BT 12 - 700	70 - 700 rpm	1,5 - 12,0 Nm	G 602 093 104
	GF-ION-EXACT 18V-LI BT 12 - 450	45 - 450 rpm	1,5 - 12,0 Nm	G 602 093 105
	GF-ION-EXACT WK 18V-LI BT (Bluetooth) With EC motor & Bluetooth and flange for angle heads (18 V Li-ion technology)			
	GF-ION-EXACT WK 18V-LI BT 6 - 1500	105 - 1050 rpm	2,0 - 8,0 Nm	G 602 093 150
	GF-ION-EXACT WK 18V-LI BT 8 - 1100	75 - 750 rpm	2,0 - 11,0 Nm	G 602 093 151
	GF-ION-EXACT WK 18V-LI BT 12 - 700	50 - 500 rpm	2,0 - 16,0 Nm	G 602 093 152
	GF-ION-EXACT WK 18V-LI BT 12 - 450	32 - 320 rpm	2,0 - 16,0 Nm	G 602 093 153

* At speeds of less than 50%, power may be reduced



A simple update on the EXAConnect 3.0 ensures that both variants – the pre-existing BOSCH BT screwdrivers and the new GF-ION-EXACT 18V-LI BT models – can be run.

Facts

- Adjustable repeat protection and double-hit detection
- Multi-stage screwdriving can be set
- Rotation to left with OK signal possible
- Suitable for connection to database, identity and conveying systems and to your pre-existing infrastructure
- The screwdriver, battery, connection and enabling status are shown using LEDs on the screwdriver and are displayed on a PC
- Batteries can be changed without losing data or connection

Advantages

- Simple screwdriver configuration on a PC
- Controller / counting function / screwdriver status, including wireless transmission via 2.4 GHz Bluetooth
- Various screwdriving strategies can be set
- Multiple Bluetooth screwdrivers can be operated in parallel with no problem
- No cables or hoses to get in the way
- Cost-efficient: Use familiar cordless screwdriver technology and existing charging technology/accessories

Parameter setting

- Connect to a PC via USB cable
- Settings are made using two configurators
- Individual activation of screwdriving stages using the original BOSCH EXACT configurator.
- Necessary adjustment of the Bluetooth connection via the GF-ION configurator

Bluetooth angle screwdrivers

An evolution of the GF-ANGLE-EXACT

Image	Type / description	Angle head	Speed*	Torque	Order No.
	GF-ION-ANGLE-EXACT- 18V-LI Bluetooth (BT) With EC motor & 2.4 GHz Bluetooth (BT) (18 V Li-ion technology)				
	GF-ION-ANGLE-EXACT 18V-LI BT 3 - 500	-	50 - 520 rpm	0,7 - 3,0 Nm	G 602 093 208
	GF-ION-ANGLE-EXACT 18V-LI BT 8 - 1100	-	110 - 1100 rpm	2,0 - 8,0 Nm	G 602 093 200
	GF-ION-ANGLE-EXACT 18V-LI BT 15- 1500	-	50 - 500 rpm	2,0 - 15,0 Nm	G 602 093 201
	GF-ION-ANGLE-EXACT 18V-LI BT 23 - 380	-	38 - 380 rpm	8,0 - 23,0 Nm	G 602 093 202
	GF-ION-ANGLE-EXACT 18V-LI BT 30 - 290	-	29 - 290 rpm	10,0 - 30,0 Nm	G 602 093 203
	GF-ION-ANGLE-EXACT 18V-LI BT 30 - 300	3/8" external square	30 - 300 rpm	10,0 - 30,0 Nm	G 602 093 204
	GF-ION-ANGLE-EXACT 18V-LI BT 40 - 220	3/8" external square	22 - 220 rpm	15,0 - 40,0 Nm	G 602 093 205
	GF-ION-ANGLE-EXACT 18V-LI BT 50 - 210	3/8" external square	18 - 180 rpm	15,0 - 50,0 Nm	G 602 093 206
	GF-ION-ANGLE-EXACT 18V-LI BT 60 - 120	3/8" external square	12 - 120 rpm	20,0 - 60,0 Nm	G 602 093 207

* At speeds of less than 50%, power may be reduced

Facts

- Adjustable repeat protection and double-hit detection
- Multi-stage screwdriving can be set
- Rotation to left with OK signal possible
- Suitable for connection to database, identity and conveying systems and to your pre-existing infrastructure
- The screwdriver, battery, connection and enabling status are shown using LEDs on the screwdriver and are displayed on a PC
- Batteries can be changed without losing data or connection

Advantages

- Simple screwdriver configuration on a PC
- Controller / counting function / screwdriver status, including wireless transmission via 2.4 GHz Bluetooth
- Various screwdriving strategies can be set
- Multiple Bluetooth screwdrivers can be operated in parallel with no problem
- No cables or hoses to get in the way
- Cost-efficient: Use familiar cordless screwdriver technology and existing charging technology/accessories

Parameter setting

- Connect to a PC via USB cable
- Settings are made using two configurators
- Individual activation of screwdriving stages using the original BOSCH EXACT configurator.
- Necessary adjustment of the Bluetooth connection via the GF-ION configurator



A simple update on the EXAConnect 3.0 ensures that both variants – the pre-existing BOSCH BT screwdrivers and the new GF-ION-ANGLE 18V-LI BT models – can be run.

Bluetooth centre grip & angle screwdrivers

Accessories

Image	Type / description	Order No.
	Software For updating the BOSCH EXAConnect 2.0 (0 602 491 003) for GF-EXA-Connect 2.0 Bluetooth	G 602 093 221
	Sticker "GF-EXAConnect 2.0 Bluetooth, including software update for GF-ION"	G 602 090 222
	Parameterisation software For updating the GF-ION-EXACT and GF-ION-ANGLE-EXACT	G 602 093 226
	USB connecting cable For updating the GF-ION-EXACT	G 602 090 154
	Replacement battery 18 V 2.0 Ah 18 V 4.0 Ah	2 607 336 905 2 607 336 815
	Charger 18 V 5,0 Ah GAL 1880 CV Professional	2 607 225 921
	Torque adjustment key	3 607 950 027
	Holder for the GF-ION-EXACT Compatible with all SG centre grip screwdrivers Plastic holder - without protector Plastic holder - with protector	G 840 080 806 G 840 080 808
	Screwdriver hanger for the GF-ION-ANGLE-EXACT Compatible with all SG angle screwdrivers Small, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 2 – 15 and all SEC models) Large, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 17 – 30) Rotating screwdriver hanger (ANGLE EXACT ION models)	G 610 050922 G 610 050 923 G 610 050 924



Ideally equipped for every assembly scenario!

Cordless BOSCH screwdriver (ANGLE) EXACT 12 V

Concentrated power – the shortest and lightest device in its class

Image	Type / description	Torque	r.p.m.*	Bit holder	Akku ¹	Weight	Order No.
	EXACT 12V The smallest EXACT ever						
	EXACT12 2-6-670	1,5 - 6,0 Nm	135 - 670 U / min	¼" quick-release chuck	--	0,85 kg	0 602 496 400
	EXACT 12V-3-110	1,0 - 4,0 Nm	220 - 1100 U / min	¼" quick-release chuck	--	0,85 kg	0 602 496 401
	EXACT 12V-2-670	0,5 - 2,0 Nm	135 - 670 U / min	¼" quick-release chuck	--	0,8 kg	0 602 496 402

Image	Type / description	Configuration	Torque	r.p.m.*akku	Akku ¹	Weight	Order No.
	ANGLE EXACT 12V The smallest ANGLE EXACT ever						
	ANGLE-Exact 12V-12-400	with 12 V angle head	2,0 - 10,0 Nm max. 12 ³	74 - 370 U / min ⁴ with Power Boost max. 500	--	1,1 kg	0 602 496 600
		with adapter 0 602 496 022 and 180 W angle head	2,5 - 8,0 Nm max. 9 ³	95 - 480 U / min ⁴ with Power Boost max. 650	--	1,2 kg	
		with adapter 0 602 496 022 and straight screw head 0 607 453 631	1,5 - 6,0 Nm max. 6,5 ³	134 - 670 U / min ⁴ with Power Boost max. 910	--	1,2 kg	
	ANGLE-Exact 12V-6-600	with 12 V angle head	2,0 - 6,0 Nm	120 - 600 U / min ⁴ with Power Boost max. 800	--	1,1 kg	0 602 496 601
		with adapter 0 602 496 022 and 180 W angle head	1,5 - 4,5 Nm	150 - 780 U / min ⁴ with Power Boost max. 1040	--	1,2 kg	
		with aapter 0 602 496 022 and straight screw head 0 607 453 631	1,0 - 3,0 Nm	220 - 1100 U / min ⁴ with Power Boost max. 1450	--	1,2 kg	
	ANGLE-Exact 12V-3-600	with 12 V angle head	1,0 - 3,5 Nm	120 - 600 U / min ⁴ with Power Boost max. 800	--	1,1 kg	0 602 496 602
		with adapter 0 602 496 022 and 180 W angle head	0,8 - 2,5 Nm	150 - 780 U / min ⁴ with Power Boost max. 1040	--	1,2 kg	
		with adapter 0 602 496 022 and straight screw head 0 607 453 631	0,5 - 2,0 Nm	220 - 1100 U / min ⁴ with Power Boost max. 1450	--	1,2 kg	

* Below 50% speed, possibly lower power
 ** Supplied without angle head or adapter
¹ Battery characteristics 12 V 3,0 Ah
² incl. battery (and angle head)
³ Only possible in cycle operation: < 5 screw connections / min.

Facts

Head length of 154 mm (EXACT 12V)
 Head length of 346 mm (ANGLE EXACT 12V)
 Weight of 0.8 kg including battery (EXACT 12V)
 Weight of 1.0 kg including battery (ANGLE EXACT 12V)
 Six different screwdriving stages, adjustable in terms of time, speed, direction and angle of rotation, and torque
 Dimensions: 154 mm x 179 mm x 57 mm (L x H x W)
 Maintenance-free shut-off clutch
 Ring light

Advantages

Optimum ergonomics thanks to short head length
 Lightweight 0.65 kg without battery (EXACT 12V)
 1.0 kg without battery (ANGLE EXACT 12V)
 LED ring light, adjustable via USB connection (perfect lighting in dark and confined spaces)
 USB interface for parameterising screwdriving stages and speed (adjustable to suit your specific application / adjustable in terms of shut-off, angle and time)
 The safest 12-volt Li-ion battery pack, with extremely long service life
 USB interface for parameterising screwdriving stages and speed (USB interface must be used to make adjustments for special applications)
 Brushless high-performance motor for 30% more efficiency (compared to conventional direct current motors) and an extremely long service life
 Maintenance-free components
 Extremely robust and high-quality tool for the longest service life
 Compatible with all 12-volt BOSCH Professional batteries from 2.0 Ah and up (plus chargers)

Cordless BOSCH screwdriver (ANGLE) EXACT 12 V

Accessories

Image	Type / description	Dimensions (L x W x H)	Max. load	Colour	Order No.
	Tool holder EXACT V12 Screwdriver holder for efficiency at work				
	Holder made of PA12 <i>- fastening set not included -</i>	180 mm x 50 mm x 87 mm	3,0 kg	Black	G 121 040 0
	Fastening sets For tool holder, Order No. G 121 040 0				
	□ Aluminium B45 profile, slot 10/10L □ or BOSCH-Rexroth, slot 10/10L	2x M5 x 16 screws Order No. 402150009	2x M5 slot nuts Order No. 412529298		
	□ Aluminium B45 profile, slot 8 □ or BOSCH-Rexroth, slot 8	2x M5 x 12 screws Order No. 402150007	2x M5 slot nuts Order No. 482529295		
	□ Aluminium I40 profile, slot 8 □ or item Line 8 groove	2x M5 x 14 screws Order No. 402150008	2x M5 slot nuts Order No. 282200125		
	Cover EXACT 12V Cover with folding USB cover				7 159 300 002
	Replacement battery Li-ion 12 V, 2.0 Ah Li-ion 12 V, 3.0 Ah Li-ion 12 V, 6.0 Ah				1 607 A35 0C5 1 607 A35 06A 1 600 A00 X7H
	Charger				2 607 226 219
	Torque adjustment key				3 607 950 027

Facts

Efficient work and maximum ergonomics
 Perfect for the new EXACT 12 V generation of screwdrivers
 Can be adapted for use on left or right
 Light and stable thanks to PA12 high-performance plastic

Advantages

Can be retrofitted at any time
 Suitable for self-assembly
 Compatible with B45 (BOSCH) and I40 (item)
 Grab angle can be adjusted in 10-degree increments
 Also suitable for use with a screwdriver protector
 Compatible with EXACT 12 V with and without protector



EXACT ION centre grip screwdrivers

With lithium-ion technology

Image	Type / description	Torque	Speed*	Bit holder	Battery	Weight	Best.-Nr.
	EXACT ION 2 - 700 Light green colour ring	0,5 - 2,0 Nm	70 - 700 rpm	¼" quick-release chuck	None	1,3 kg	0 602 494 400
	EXACT ION 4 - 2000 Grey colour ring	1,0 - 4,0 Nm	200 - 2000 rpm	¼" quick-release chuck	None	1,3 KG	0 602 494 401
	EXACT ION 6 - 1500 Black colour ring	1,0 - 6,0 Nm	150 - 1500 rpm	¼" quick-release chuck	None	1,3 kg	0 602 494 402
	EXACT ION 8 - 1100 Orange colour ring	2,0 - 8,0 Nm	110 - 1100 rpm	¼" quick-release chuck	None	1,3 kg	0 602 494 403
	EXACT ION 12 - 700 Red colour ring	2,0 - 12,0 Nm	70 - 700 rpm	¼" quick-release chuck	None	1,3 kg	0 602 494 404
	EXACT ION 12 - 450 Black colour ring	2,0 - 12,0 Nm	45 - 450 rpm	¼" quick-release chuck	None	1,3 kg	0 602 494 405

* At speeds of less than 50%, power may be reduced

Facts

- Setting the speed to less than 50% reduces power
- Direction of rotation: Right/left
- 0.7-second repeat protection
- Drive type: Battery
- Design: Centre grip
- Shut-off clutch
- Adjustable speed
- Process monitoring
- Brushless motor

Advantages

- Precision shut-off clutch with $C_{mk} > 1.67$ (in a $\pm 10\%$ tolerance range to ISO 5393)
- Multi-stage screwdriving process can be set via USB interface to suit your specific screwdriving workflow
- BOSCH premium lithium-ion technology for long service life and run time
- Brushless (EC) motor for 30% more efficiency (compared to conventional direct current motors) and an extremely long service life
- Faster speeds (compared to SEC-EXACT) help lower production times and improve quality.
- All models have a function on the switch for changing the direction of rotation between right and left
- Modular design with many common parts
- Coloured rings for simple identification
- Use of same batteries/chargers as for angle screwdrivers
- All models come with a suspension hook

EXACT ION centre grip screwdrivers

Accessories

Image	Type / description	Order No.
	<p>5-point lighting LED and screws included</p> <p>Ideal accessory for poorly lit spaces</p>	7 120 000 011
	<p>Holder for the EXACT Compatible with all BOSCH centre grip screwdrivers</p> <p>Plastic holder - without protector Plastic holder - with protector</p>	G 840 080 806 G 840 080 808
	<p>Replacement battery 18 V 2.0 Ah 18 V 4.0 Ah</p>	2 607 336 905 2 607 336 815
	<p>Charger 18 V 5,0 Ah GAL 1880 CV Professional</p>	2 607 225 921

Facts

Retrofittable for all
BOSCH ANGLE EXACT
BOSCH SEC ANGLE EXACT with flange for BOSCH ANGLE angle head

Also available as retrofit kit for self-assembly

Optimum lighting for the work area

Advantages

Can be ordered fully retrofitted as SEC model

Can be retrofitted at any time

Suitable for self-assembly

EXACT ION angle head screwdrivers

With lithium-ion technology

Image	Type / description	Torque	Speed*	Bit holder	Battery	Weight	Order No.
	EXACT ION 6 - 1500 WK Black colour ring	2,0 - 8,0 Nm	105 - 1050 rpm	Flange for angle head **	None	1,4 kg	0 602 494 406
	EXACT ION 8 - 1100 WK Orange colour ring	2,0 - 11,0 Nm	75 - 750 rpm	Flange for angle head **	None	1,4 kg	0 602 494 407
	EXACT ION 12 - 700 WK Red colour ring	2,0 - 16,0 Nm	50 - 500 rpm	Flange for angle head **	None	1,4 kg	0 602 494 408
	EXACT ION 12 - 450 WK Light blue colour ring	2,0 - 16,0 Nm	32 - 320 rpm	Flange for angle head **	None	1,4 kg	0 602 494 409

* At speeds of less than 50%, power may be reduced

** Angle head not included in scope of supply

Facts

- Direction of rotation: Right/left
- 0.7-second repeat protection
- Drive type: Battery
- Design: Centre grip with angle head adapter
- Shut-off clutch
- Adjustable speed
- Process monitoring
- Brushless motor

Advantages

- Precision shut-off clutch with $C_{mk} > 1.67$ (in a $\pm 10\%$ tolerance range to ISO 5393)
- Multi-stage screwdriving process can be set via USB interface to suit your specific screwdriving workflow
- BOSCH premium lithium-ion technology for long service life and run time
- Brushless (EC) motor for 30% more efficiency (compared to conventional direct current motors) and an extremely long service life
- Faster speeds (compared to SEC-EXACT) help lower production times and improve quality.
- All models have a function on the switch for changing the direction of rotation between right and left
- Modular design with many common parts
- Coloured rings for simple identification
- Use of same batteries/chargers as for angle screwdrivers
- All models come with a suspension hook

EXACT ION angle head screwdrivers

Accessories

Image	Type / description	Order No.
	<p>Holder for the EXACT Compatible with all BOSCH centre grip screwdrivers</p> <p>Plastic holder - without protector Plastic holder - with protector</p>	<p>G 840 080 806 G 840 080 808</p>
	<p>Replacement battery 18 V 2.0 Ah 18 V 4.0 Ah</p>	<p>2 607 336 905 2 607 336 815</p>
	<p>Charger 18 V 5,0 Ah GAL 1880 CV Professional</p>	<p>2 607 225 921</p>

Facts

Retrofittable for all
BOSCH ANGLE EXACT
BOSCH SEC ANGLE EXACT with flange for BOSCH ANGLE angle head
Also available as retrofit kit for self-assembly
Optimum lighting for the work area

Advantages

Can be ordered fully retrofitted as SEC model
Can be retrofitted at any time
Suitable for self-assembly

ANGLE EXACT ION angle screwdrivers

With lithium-ion technology

Image	Type / description	Torque	Speed	Bit holder	Battery	Weight	Order No.
	ANGLE EXACT ION 3 - 500	0,7 - 3,0 Nm	50 - 520 rpm	Without angle head	None	1,7 kg	0 602 494 608
	ANGLE EXACT ION 8 - 1100	2,0 - 8,0 Nm	110 - 1100 rpm	Without angle head	None	1,7 kg	0 602 494 600
	ANGLE EXACT ION 15 - 500	2,0 - 15,0 Nm	50 - 520 rpm	Without angle head	None	1,7 kg	0 602 494 601
	ANGLE EXACT ION 23 - 380	8,0 - 23,0 Nm	38 - 380 rpm	Without angle head	None	2,2 kg	0 602 494 602
	ANGLE EXACT ION 30 - 290	10,0 - 30,0 Nm	29 - 290 rpm	Without angle head	None	2,2 kg	0 602 494 607
	ANGLE EXACT ION 30 - 300	10,0 - 30,0 Nm	30 - 300 rpm	3/8" external square	None	2,4 kg	0 602 494 603
	ANGLE EXACT ION 40 - 220	15,0 - 40,0 Nm	22 - 220 rpm	3/8" external square	None	2,4 kg	0 602 494 604
	ANGLE EXACT ION 50 - 210	15,0 - 50,0 Nm	21 - 180 rpm	3/8" external square	None	2,4 kg	0 602 494 605
	ANGLE EXACT ION 60 - 120	20,0 - 60,0 Nm	12 - 120 rpm	3/8" external square	None	2,4 kg	0 602 494 606

Facts

- Setting the speed to less than 50% reduces power
- Direction of rotation: Right/left
- 0.7-second repeat protection
- Drive type: Battery
- Design: Angle
- Shut-off clutch
- Adjustable speed
- Process monitoring
- Brushless motor

Advantages

- Precision shut-off clutch with $C_{mk} > 1.67$ (in a $\pm 10\%$ tolerance range to ISO 5393)
- Multi-stage screwdriving process can be set via USB interface to suit your specific screwdriving workflow
- BOSCH premium lithium-ion technology for long service life and run time
- Brushless (EC) motor for 30% more efficiency (compared to conventional direct current motors) and an extremely long service life
- Faster speeds (compared to SEC-EXACT) help lower production times and improve quality.
- All models have a function on the switch for changing the direction of rotation between right and left
- Modular design with many common parts
- Coloured rings for simple identification
- Use of same batteries/chargers as for centre grip screwdrivers
- All models come with a suspension hook

ANGLE EXACT (CLASSIC + ION) angle screwdrivers

Accessories

Image	Type / description	Order No.
	<p>Lighting housing (3-point lighting) Screws and cable transition included</p> <p>Ideal accessory for poorly lit spaces</p>	7 120 000 009
	<p>Lighting housing incl. cable link (3-point lighting) Screws and retaining ring included</p> <p>Ideal accessory for poorly lit spaces</p>	7 120 000 008
	<p>Small angle head Particularly small angle head, up to max. 4 Nm. Bit holder for external hex to DIN 3126-E6.3 (1/4")</p>	7 019 100 024
	<p>110° angle head The solution for hard-to-reach screws</p> <p>Available with various drives: 110° angle head with 1/4" quick-release chuck, Multiline J-135-18 (see image) 110° angle head with 1/4" quick-release chuck + sliding collar, Multiline J-135-18 110° angle head with 1/4" quick-release chuck with ball + sliding sleeve, Multiline J-135-18 110° angle head housing</p>	7 019 100 003 7 019 100 009 7 019 100 029 9 513 702 6
	<p>Extension Simple means of extending the screwdriver</p> <p>150 mm extension, including sleeve nut, compatible with all BOSCH angle heads (0 607 453 8...) and 0 607 451 8 [...]</p>	H 188
	<p>Power booster For BOSCH ANGLE EXACT ION 30 - 300</p> <p>Particularly small power booster for torques up to 80 Nm</p>	B 666 000 047

Facts

Retrofittable for all
BOSCH ANGLE EXACT
BOSCH SEC ANGLE EXACT with flange for
BOSCH ANGLE angle head

Optimum lighting for the work area
On request, we can retrofit screwdrivers with lighting

Advantages

Can be ordered fully retrofitted as SEC model
Can be retrofitted at any time
Suitable for self-assembly



Special angle heads on request

ANGLE EXACT (CLASSIC + ION) angle screwdrivers

Accessories

Image	Type / description	Order No.
	Holder for the ANGLE EXACT Adjustable holder for angle screwdrivers	G 840 080 805
	Screwdriver hanger for the GF-ION-ANGLE-EXACT Compatible with all SG angle screwdrivers	
	Small, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 2 – 15 and all SEC models)	G 610 050922
	Large, rotating screwdriver hanger (ANGLE EXACT screwdrivers, class 17 – 30)	G 610 050 923
	Rotating screwdriver hanger (ANGLE EXACT ION models)	G 610 050 924
	Replacement battery 18 V 2.0 Ah 18 V 4.0 Ah	2 607 336 905 2 607 336 815
	Charger 18 V 5,0 Ah GAL 1880 CV Professional	2 607 225 921
	1/4" square angle head Max. torque 27 Nm	0 607 453 617
	1/4" internal hex angle head Max. torque 27 Nm	0 607 453 618
	3/8" square angle head Max. torque 27 Nm	0 607 453 620
	1/4" quick-release chuck angle head Max. torque 27 Nm	0 607 453 630
	3/8" square angle head Max. torque 35 Nm	0 607 451 618
	1/4" straight head Max. torque 6 Nm	0 607 453 631



PUC EXACT 1

The solution for the BOSCH C-EXACT that counts

Image	Device features		Order No.
	Designation	PUC-EXACT 1 power supply	G 602 070 100
	Dimensions	105 x 150 x 250 mm	
	Weight	2,7 kg	
	Input voltage	100 - 240 V ~ 4,8 A	
	Input power	400 W, 0,54 Hp	
	Input frequency	50/60 Hz	
	Output voltage	36 V DC	
	Output current	11 A	
	Storage temperature	-20°C ... +70°C	
	Operating temperature	-5°C ... +50°C	
	Relative humidity %	20 - 95 (free of moisture condensation)	
	Display	Display for status codes Display for number of screwdriving applications	
	Connections	Connecting cable for enabling, 2-pole Connecting cable for signal output, 8-pole Power connection (AC)	

Facts

PUC EXACT 1 basic unit from BOSCH

High-precision current measurement determines all the statuses of the C-EXACT

No modifications needed on the C-EXACT

Teach-in of screwdriving scenario for maximum reliability

Can be used on its own or in combination with a PLC

Potential-free connections: Enable, OK, NOK, AOK, ANOK

Advantages

Wide counting range: 1 - 99

Same housing and connections as BOSCH PUC EXACT 1 and 3 power supply, therefore simple replacement option

Failsafe – can only be programmed with key

Large, 7-segment display, bright red

M8 connector sockets (8-pin)

Suitable for industrial use

C-EXACT

The electric screwdriver system for industry

Image	Type / description	Torque	Speed	Features	Weight	Order No.
	C-EXACT 1 Green colour ring	0,2 - 0,8 Nm	1000 rpm	Lever start	0,65 kg	0 602 495 202
		0,2 - 0,8 Nm	1000 rpm	Push start	0,65 kg	0 602 495 207
	C-EXACT 2 White colour ring	0,5 - 2,0 Nm	500 rpm	Lever start	0,65 kg	0 602 495 203
		0,5 - 2,0 Nm	500 rpm	Push start	0,65 kg	0 602 495 208
	C-EXACT 4 Grey colour ring	0,5 - 3,5 Nm	1000 rpm	Lever start	0,65 kg	0 602 495 200
		0,5 - 3,5 Nm	1000 rpm	Push start	0,65 kg	0 602 495 201 (US version) 0 602 495 205 0 602 495 206 (US version)
	C-EXACT 6 Black colour ring	1,0 - 6,0 Nm	1000 rpm	Lever start	0,65 kg	0 602 495 210
		1,0 - 6,0 Nm	500 rpm	Lever start	0,65 kg	0 602 495 211
		1,0 - 6,0 Nm	1000 rpm	Push start	0,65 kg	0 602 495 215
		1,0 - 6,0 Nm	500 rpm	Push start	0,65 kg	0 602 495 216

Facts

Robust and durable thanks to BOSCH endurance testing involving over a million cycles

BOSCH-SEC motor - brushless EX motor technology

High shut-off precision despite low tolerance

Large torque range

Visual and acoustic shut-off signals

Voltage 36 V DC / Power 360 W

Advantages

Brushless EC motor technology

One-handed method for switching between right and left rotation

Electrostatic discharge safety (ESD safe)

All models come with a suspension hook and connector cable 2,5 m

C-EXACT Accessories

Image	Type / description	Order No.
	<p>PUC-EXACT 3 Input voltage: 100-240 V AC, 50-60 Hz Output: 400 W Output voltage: 36 V DC</p> <p>Scope of supply: Power connection cord, 3 m</p>	0 602 495 003
	<p>Angle head adapter Suitable for hard-to-reach screw fixings and/or higher torques</p> <p>Slotted adapter for angle head</p>	7 079 100 003
	<p>Centre grip attachment with lever start Suitable for horizontal screwdriving and/or higher torques</p>	7 120 000 010

Facts

Suitable for retrofitting to all BOSCH C-EXACT models
 The housing is not machined or damaged
 BOSCH manufacturer warranty not affected
 Compatible with all BOSCH angle heads 0607 453 [...] and the small gehmeyr angle head 7 019 100 024

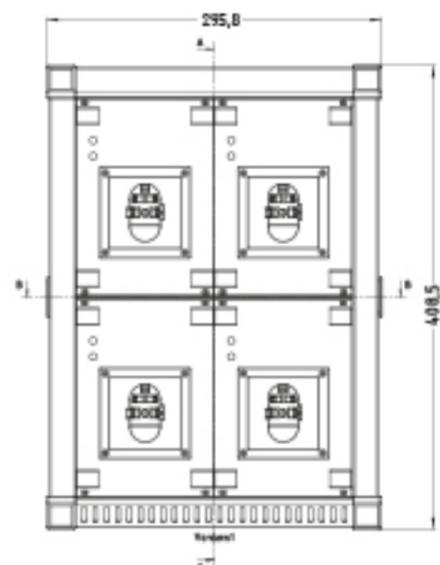
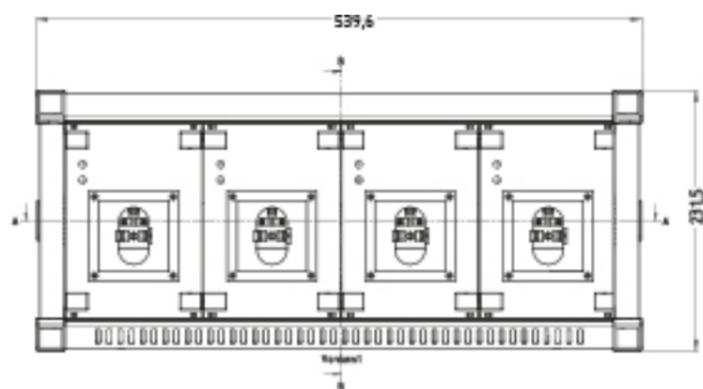
Advantages

Can be retrofitted at any time
 Suitable for self-assembly

Charging stations

Universal solution for professional tool batteries

Image	Type / description	Order No.
	Charging station for LI 14,4-18 V UAC 2x2	G 602 080 532
	Charging station for LI 14,4-18 V UAC 1x4	G 602 080 522



Facts

Li-ion inserts: Charging voltage 10.8 ... 18 V DC, charging current max. 6 A, temperature monitored

NiCd-NiMH inserts: Charging voltage 7.2 ... 24 V DC, charging current max. 5 A, temperature monitored

Input voltage 230 V / 50 Hz, a 110 V version is also available

High-quality housing and charging inserts, everything from syskomp gehmeyr

The UAC 4-compartment charging system has been tested and certified to all current EU Directives

Housing ventilation by high-quality Papst fans, noise level 46 dB (A)

Advantages

Modular design, each compartment operates independently and can be replaced while the system is in use

Also suitable for future battery technology, as only the inserts need to be replaced and not the entire charging station

Compartments can be swapped out so that the right compartment can be made available at the right place

Two modified charger technologies, one for NiCd NiMH and one for Li-ion, except in the case of Makita. No problems identifying chemical composition

Inserts for charging stations

Image	Li-ion	Order No.
	Insert for BOSCH 12 V batteries ⁵	BL1A, G 602 080 623
	Insert for BOSCH 14.4 - 18 V batteries ⁴	BL2, G 602 080 622
	Insert for Makita 7.2 - 18 V batteries ¹	MNL1, G 602 080 621
	Insert for Desoutter 18 and 36 V batteries	DO2, G 602 080 611

Image	NiCd NiMH	Order No.
	Insert for BOSCH 7.2 - 24 V batteries ³	BN1, G 602 080 600
	Insert for Atlas Copco batteries	AN1, G 602 080 602
	Insert for Makita NiCd / NiMH see Li-Ion	

Facts

Compatible with all syskomp gehmeyr UAC 1x4 & UAC 2x2 charger housings

Original charging technology from the battery manufacturer

¹ Suitable for all Makita NiMH and Li-ion battery packs (B..., BH..., BL...), no HST batteries

² Suitable for all Fein NiCd / NiMH battery packs

³ Suitable for all BOSCH NiCd / NiMH battery packs (OPack)

Suitable for all BOSCH Li-ion battery packs

Suitable for all Atlas Copco Li-ion battery packs

¹ Suitable for voltages from 7.2 V to 18 V

^{2 3} Suitable for voltages from 7.2 V to 24 V

Suitable for voltages from 14.4 V to 18 V

Suitable for a voltage of 12 V

Suitable for voltages from 18 V to 36 V

Advantages

Modular design, each compartment functions separately

Optimum charging process due to use of manufacturer's original charging technology

Use of shielded force-actuated contacts means the insert can be changed while the system is in use

Suitable for retrofitting at any time to any new or pre-existing syskomp gehmeyr chargers

Can be combined with any other inserts in the syskomp gehmeyr chargers

How to reach us

Wherever you need us, we are there

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