



Incredible precision.

► AUTOMOTIVE



FEIN, the complete supplier for precision screwdriving in industrial volume production.

FEIN AccuTEC screwdrivers – for absolute process reliability, very high cost-efficiency and maximum precision.

FEIN ACCUTECH screwdrivers are specifically designed for the tough requirements of industrial volume production. They offer very high repeat accuracy, maximum precision and enormous flexibility. With a large number of adjustable torque settings, they can handle a range of different screwdriving applications, whilst the programmable versions can tackle individual screwdriving scenarios with the utmost accuracy.

FEIN ACCUTECH screwdrivers are ideally equipped for continuous use in industry.

- ▶ Outstanding ergonomics and compact design.
- ▶ Maximum functionality and simple to operate.
- ▶ High quality screw connections in the 0.7 Nm to 60 Nm range.
- ▶ Infinitely variable adjustment of idling speeds from 20 rpm to a maximum of 950 rpm.



FEIN benefits:

- ▶ Brushless FEIN PowerDrive motors with high efficiency for up to 30 % more screw connections per battery charge.
- ▶ Precise quality screw connections due to narrow tightening tolerances, regardless of the application.
- ▶ FEIN industrial-quality Li-ion batteries with SafetyCell Technology for very long lifetime.
- ▶ Low maintenance costs due to long service life.
- ▶ Process-optimised shut-off screwdrivers are tested for compliance with ISO 5393 and satisfy the machine capability test according to VDI/VDE 2647.
- ▶ Made in Germany.



FEIN ACCUTec baton offset screwdriver

Very short baton offset screwdriver for precise screwdriving with repeat accuracy, even in tight spaces.



FEIN ACCUTec screw gun with mid-mounted handle

Lightweight screw gun with mid-mounted handle with outstanding ergonomics for fatigue-free working.



FEIN ACCUTec ParameterControl

The programmable FEIN ACCUTec PC screwdrivers allow you to split complex screwdriving applications into steps (up to seven) and tackle them individually.

FEIN AccuTEC ASW with torque of up to 60 Nm: highly flexible, powerful and incredibly precise.

The latest development for industrial volume production is the ACCUTECH baton offset screwdriver ASW 18 from FEIN. It effortlessly handles screwdriving applications with up to 60 Nm of torque, not just safely but also at an unrivalled speed. In addition to the impressive maximum torque and speed, both parameters can be individually adjusted for maximum flexibility.

FEIN benefits:

- ▶ Compact design for working in hard-to-reach places.
- ▶ Maintenance-free, brushless FEIN PowerDrive motor.
- ▶ Restart delay and protection.
- ▶ High screw connection quality thanks to extremely narrow tightening tolerances.
- ▶ Constant, precise tightening torque.

Smart programs

- ▶ **Only from FEIN:** both clockwise and anti-clockwise operation.
- ▶ With the ParameterControl function as standard.
- ▶ Also adjustable to complex screwdriving scenarios.



Adjustable angled head

For precise screwdriving even in hard-to-reach places.

Mechanical clutch

The torque can be accurately set over a large range and retrieved with repeat accuracy.

Compact design

The short total length combined with the ergonomic design ensure very good accessibility.

FEIN battery technology



- ▶ FEIN Li-ion batteries are available with 2.5 Ah and 5 Ah.
- ▶ With charge status indicator.
- ▶ Can be used down to -20°C .
- ▶ Innovative FEIN battery packs with SafetyCell technology.

FEIN PowerDrive motor

- ▶ Virtually wear-free.
- ▶ 2x longer service life.
- ▶ 30% higher efficiency.
- ▶ 100% more performance per battery charge.





FEIN AccuTEC baton offset screwdrivers at a glance.

FEIN ACCUTEc baton offset screwdrivers up to 14 Nm for 14.4 V Li-ion batteries

Model		ASW 14-6	ASW 14-10	ASW 14-14
				
Torque range	Nm	1.5 – 6	2 – 10	3 – 14
Idling speed	rpm	650	500	400
Voltage	V	14.4	14.4	14.4
Weight including battery and angled head (according to EPTA)	kg	1.4	1.4	1.4
CMK value (in relation to 6 Sigma)		>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)
Order number		7 112 40 00 95 0	7 112 42 00 95 0	7 112 58 00 95 0


Supplied without battery, charger, angled head or torque wrench.

Programmable FEIN ACCUTEc baton offset screwdrivers up to 30 Nm for 14.4 V Li-ion batteries

Model		ASW 14-6 PC	ASW 14-10 PC	ASW 14-14 PC	ASW 14-30 PC
					
Torque range	Nm	1.5 – 6	2 – 10	3 – 14	12 – 30
Idling speed	rpm	50 – 670	50 – 670	50 – 500	20 – 240
Voltage	V	14.4	14.4	14.4	14.4
Weight including battery and angled head (according to EPTA)	kg	1.4	1.4	1.4	2.0
CMK value (in relation to 6 Sigma)		>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)
Order number		7 112 50 00 95 0	7 112 51 00 95 0	7 112 52 00 95 0	7 112 53 00 95 0

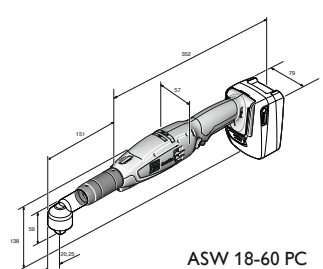
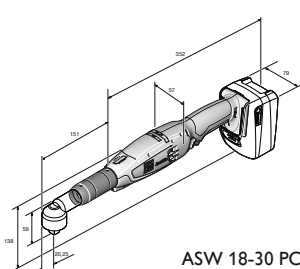
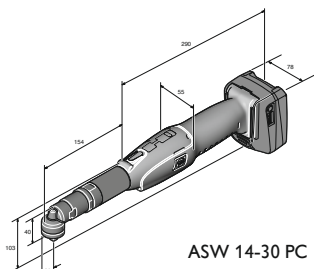
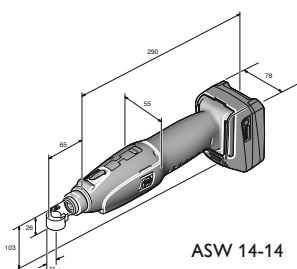
Supplied without battery, charger, angled head or torque wrench.
ASW 14-30 PC supplied without battery, charger or torque wrench.

Programmable FEIN ACCUTEc baton offset screwdrivers up to 60 Nm for 18V Li-ion batteries

Model		ASW 18-30 PC	ASW 18-45 PC	ASW 18-60 PC
				
Torque range	Nm	12 - 30	20 - 45	25 - 60
Idling speed	rpm	30-420	25-310	20-230
Voltage	V	18	18	18
Weight including 18 V, 5 Ah battery and angled head (according to EPTA)	kg	2.1	2.1	2.3
CMK value (in relation to 6 Sigma)		>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)
Order number		7 112 62 60 00 0	7 112 63 60 00 0	7 112 64 60 00 0

Supplied without battery, charger, angled head or torque wrench.

Sizing sheet



FEIN AccuTEC ASM: more than a million screw connections.

The FEIN ACCUTECH screw gun ASM with mid-mounted handle – designed to meet the most stringent speed and precision requirements. The electronically controlled motor speed keeps the nominal speed constant over a wide torque range until the cut-out torque is reached. This saves time when you're making soft screw connections. With significantly more screw connections per battery charge, the FEIN Li-ion battery also offers a longer period of use in assembly.

FEIN benefits:

- ▶ Maintenance-free, brushless PowerDrive motor for up to 30 % more screw connections per charge.
- ▶ No loss of speed until the torque cuts out.
- ▶ Long periods of use thanks to high-performance Li-ion batteries.
- ▶ Tool data can be read out with ParameterControl software.

Clockwise/anti-clockwise rotation

One press is all it takes to quickly and easily switch the FEIN ACCUTECH ASM to anti-clockwise operation. An acoustic signal sounds when this happens.

Gearbox

The needle-mounted gearbox requires no maintenance, is extremely robust and very quiet.

PowerDrive motor

- ▶ Virtually wear-free.
- ▶ 2x longer service life.
- ▶ 30% higher efficiency.
- ▶ 100% more performance per battery charge.

High-power LED

The integrated light ensures illumination of the screwdriving point.

Constant electronics

The electronics ensure constant speeds until shutdown.




FEIN battery technology

- ▶ FEIN Li-ion batteries are available with 2.5 Ah and 5 Ah.
- ▶ With charge status indicator.
- ▶ Can be used down to -20°C.
- ▶ Innovative FEIN battery packs with SafetyCell technology.







FEIN AccuTEC screw guns with mid-mounted handle at a glance.

FEIN AccuTEC ASM screwdrivers with mid-mounted handle up to 12 Nm for 14.4 V Li-ion batteries

Model		ASM 14-2	ASM 14-6	ASM 14-9	ASM 14-12
					
Torque range	Nm	0.7 – 2	1.2 – 6	2 – 9	3 – 12
Idling speed	rpm	350	600	600	500
Voltage	V	14.4	14.4	14.4	14.4
Weight with battery (according to EPTA)	kg	1.3	1.3	1.3	1.3
Tool mounting	in	¼ in hexagon socket	¼ in hexagon socket	¼ in hexagon socket	¼ in hexagon socket
CMK value (in relation to 6 Sigma)		>1.67 at (+- 12%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)
Order number		7 112 60 00 95 0	7 112 28 00 95 0	7 112 59 00 95 0	7 112 57 00 95 0

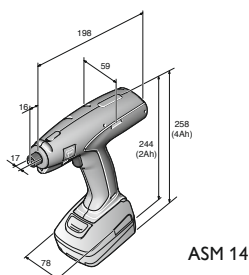
Supplied without battery or charger.

Programmable FEIN AccuTEC screw guns with mid-mounted handle up to 12 Nm for 14.4 V Li-ion batteries

Model		ASM 14-2 PC	ASM 14-6 PC	ASM 14-9 PC	ASM 14-12 PC
					
Torque range	Nm	0.7 – 2	1.2 – 6	2 – 9	3 – 12
Idling speed	rpm	50 – 700	50 – 950	50 – 700	50 – 700
Voltage	V	14.4	14.4	14.4	14.4
Weight with battery (according to EPTA)	kg	1.3	1.3	1.3	1.3
Tool mounting	in	¼ in hexagon socket	¼ in hexagon socket	¼ in hexagon socket	¼ in hexagon socket
CMK value (in relation to 6 Sigma)		>1.67 at (+- 12%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)	>1.67 at (+- 10%)
Order number		7 112 61 00 95 0	7 112 54 00 95 0	7 112 55 00 95 0	7 112 56 00 95 0

Supplied without battery or charger.

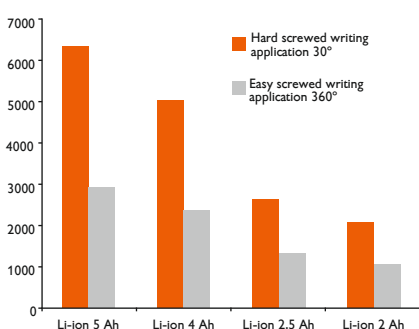
Sizing sheet



FEIN SafetyCell technology



Screw connections per battery charge



All FEIN Li-ion batteries come with SafetyCell Technology. A separate communication cable reliably protects the battery and tool against overload, overheating and total discharge, making FEIN battery technology both durable and safe.

FEIN AccuTEC with ParameterControl – precision for individual screwdriving applications.

In response to assembly procedures, FEIN offers perfect solutions for practically all production processes. In addition to the standard range, FEIN ACCUTECH ParameterControl screwdrivers are can be set up for individual screwdriving applications.

The individual tightening behaviour of every screwdriving application can be precisely set in up to seven programme steps, using freely programmable parameters such as angle of rotation, time, torque,

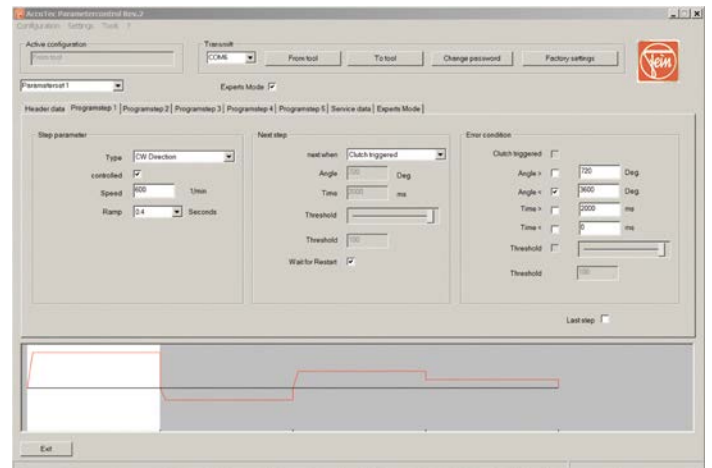
speed and direction of rotation. The constant monitoring of these parameters during operation guarantees a high level of safety. This leads to a significant increase in quality and also measurably optimises the processes in volume production.

This makes FEIN ACCUTECH screwdrivers with ParameterControl the best economical choice.



FEIN benefits:

- ▶ No loss of speed when screwdriving in the individual levels thanks to FEIN speed monitoring.
- ▶ Freely programmable parameters: speed, direction of rotation, angle of rotation, torque threshold and time.
- ▶ Recording of the screw connection and calibration data takes place in the maintenance module.
- ▶ Precise adaptation to the specific screwdriving application through individual programming.
- ▶ The parameters can be individually set in up to seven programme steps.
- ▶ The parameters can also be set for anti-clockwise operation.
- ▶ 100 % process-optimized. Error criteria settings prevent manipulation of the screwdriving process.
- ▶ Secure machine programming via an integrated interface and the included software.
- ▶ Protection of the machine from unauthorized access through a factory-installed password.

FEIN ParameterControl software**Individual programming in a few steps:**

- ▶ Easy input of necessary data at the computer.
- ▶ Transfer via an interface integrated into the screwdriver.
- ▶ Storage of the data on the computer for later reuse. For example, when exchanging machines.

Accessories for ASW 14 / 18

Coded sleeve set

For colour identification of different models.



	No. in pack	Order number
Assorted colours	7	3 05 01 352 02 0
Blue	10	3 05 01 355 01 0
Red	10	3 05 01 356 01 0
Orange	10	3 05 01 357 01 0
Yellow	10	3 05 01 358 01 0
Grey	10	3 05 01 353 01 0
Green	10	3 05 01 354 01 0
Black	10	3 05 01 352 01 0

Protective cover for baton offset screwdriver



	Order number
ASW 14	3 21 74 014 01 0
ASW 18	3 21 74 024 01 0

Angled head with output < 14 Nm



	Order number
Basic	
1/4" square head	9 01 02 014 01 0
QuickIN 1/4" hexagon socket	9 01 02 012 01 0
3/8" square head	9 01 02 013 01 0

Angled head with output > 30 Nm



	Order number
30/45 Nm	
3/8" square head	9 01 02 015 02 0
60Nm 1/2" square head	9 01 02 016 02 0

Straight output drive



	Order number
1/4" hexagon socket	9 01 06 001 02 0
3/8" square head	9 01 06 002 02 0

Plastic casing

For angled heads. For protecting the workpiece surface from mechanical damage.



	Order number
up to 14 Nm	3 14 28 166 00 0
up to 45 Nm	3 21 74 022 01 0
up to 60 Nm	3 21 74 021 01 0

Clamping adapter for angled head Premium up to 14 Nm

With 1/4" square head, suitable for closed Lübberring tongue tool adapter A.



Order number	6 39 01 046 00 0
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Extension for ASW 14

86 mm. For reducing the reaction torque.



Order number	6 42 03 004 01 0
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Extension for ASW 18

100 mm. For reducing the reaction torque.



Order number	6 42 03 005 01 0
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Handle for ASW

For ASW14-30 and all ASW 18 models.

Order number	3 21 19 150 01 0
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Accessories for ASM

Coded sleeve set

For colour identification of different models.

	No. in pack	Order number
Assorted colours	7	3 05 01 345 02 0
Blue	10	3 05 01 348 01 0
Red	10	3 05 01 349 01 0
Orange	10	3 05 01 350 01 0
Yellow	10	3 05 01 351 01 0
Grey	10	3 05 01 346 01 0
Green	10	3 05 01 347 01 0
Black	10	3 05 01 345 01 0

AccuTec ASM protective cover

For protecting workpieces from damage.



Order number	3 14 20 120 01 0
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General accessories for all machines

Charge adapter

For the battery interface of NiCd and NiMH batteries to ALS 40, ALG 40 and ALG 30.



Order number	9 26 04 103 01 0
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Accessories for ParameterControl




Programming adapter



For all ACCUTECH ParameterControl models. Scope of supply: Software on USB card incl. instructions, adapter and connection cable.



Order number	9 26 04 163 02 0
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Li-ion batteries

Battery type			
Voltage	12 V	14.4 V	14.4 V
Capacity	2.5 Ah	2.5 Ah	5 Ah
Weight	250 g	400 g	600 g
Order reference VE 1	9 26 04 168 02 0	9 26 04 170 02 0	9 26 04 172 02 0
Order reference VE 15	-	9 26 04 170 03 0	9 26 04 172 03 0


Battery type		
Voltage	18 V	18 V
Capacity	2.5 Ah	5 Ah
Weight	450 g	700 g
Order reference VE 1	9 26 04 171 02 0	9 26 04 173 02 0
Order reference VE 12	9 26 04 171 03 0	9 26 04 173 03 0

Battery covers



	Order number
14.4 V; 2/ 2.5 Ah	3 21 74 015 01 0
14.4 V; 4/ 5 Ah	3 21 74 016 01 0
18 V; 2.5 Ah	3 21 74 020 00 0
18 V; 5 Ah	3 21 74 019 00 0

Chargers

Model	ALG 30	ALS 40
Slide-in module		
Input voltage	V	220-240
Frequency	Hz	50/60
Power consumption	W	100
Output voltage	V	6.0-25.2
Max. charging current	mA	5,000
Capacity	Ah	0.8-7.5
Ambient temperature	°C	0-45
Charge time	min	20-60
Charge time, NiCd 1.25 Ah	min	25
Charge time, NiMH 3 Ah	min	60
Charge time, Li-ion 2.6 Ah	min	45
Weight	kg	0.7
Order number	9 26 04 096 01 0	9 26 04 111 01 0

Balancer

Secure 'weightless' suspension of the tool and cable.



High tensile strength nylon cord

Adjustable load capacity	Weight	Factory setting	Max. cord extension	Order number
0.5–1.5 kg	0.35 kg	1 kg	0.9 m	9 08 01 012 00 8
1.5–2.5 kg	0.35 kg	2 kg	0.9 m	9 08 01 023 00 1

Wire rope

Adjustable load capacity	Weight	Factory setting	Max. cord extension	Order number
0.5–1.5 kg	0.35 kg	1 kg	0.9 m	9 08 01 052 00 4
1.5–2.5 kg	0.35 kg	2 kg	0.9 m	9 08 01 037 00 9

FEIN benefits:

- ▶ Small size.
- ▶ Constant tensile force.
- ▶ Easily installed.
- ▶ Spiral cordset available as accessory.



Steel rope

Adjustable load capacity	Weight	Factory setting	Max. cord extension	Order number
1–3 kg	3.2 kg	2 kg	2 m	9 08 01 024 00 9
2.5–5 kg	3.2 kg	3.5 kg	2 m	9 08 01 025 00 3

FEIN benefits:

- ▶ Constant tensile force.
- ▶ Tear-resistant steel cable.
- ▶ Spiral cordset available as accessory.

Suspension bracket for ASM / ASW

Dimensions (HxWxD): 147x35x2.8 mm



Order number **3 21 25 050 00 7**

ASCM 12

The most powerful FEIN cordless drill/driver with brushless motor, 4 speed gearbox and removable drill chuck. Ideal for pre-tightening.

Technical data

Model	4-speed ASCM 12 C cordless drill/driver
Features	<ul style="list-style-type: none"> ▶ Brushless FEIN PowerDrive motor. ▶ 4-speed solid metal gearbox. ▶ Removable solid metal drill chuck. ▶ FEIN Li-ion battery with SafetyCell technology. ▶ Compact design.
Battery voltage	12 V
Battery capacity	2.5 Ah
Idling speed	400/700/1,400/2,500 rpm
Max. torque (hard/soft)	40 / 20 Nm
Maximum screw size	8 x 200 mm
Weight with battery	1.1 kg
Includes	1 cordless drill/driver, 1 removable drill chuck, 1 belt clip and bit store
Order number	7 116 10 28 00 0



The emission values (noise / vibration) for FEIN power tools can be found at www.fein.com/vibration

FEIN cordless impact wrenches – extremely robust for tough jobs.

The FEIN cordless impact wrench/drivers ASCD 18 set new standards, offering screw fastening and release with extremely high torques of up to 158 Nm and low kick-back. The lightweight, fibreglass-reinforced housing makes them extremely compact and robust. The FEIN cordless impact wrenches offer impressive ergonomics, maximum efficiency and reliability.

Technical data

Model	Cordless impact wrench/driver ASCD 18 W4
Features	<ul style="list-style-type: none">▶ 4-pole DC motor with overload protection.▶ FEIN Li-ion battery with SafetyCell technology.▶ 1/4" hexagonal socket.▶ Compact design.▶ Radial impact function.
Battery voltage	18 V
Battery capacity	4 Ah
Idling speed	2,200 rpm
Number of blows	3,200 rpm
Maximum torque	158 Nm
Max. screw diameter	M14
Weight	1.8 kg
Includes	1 cordless impact wrench/driver
Order number	7 115 02 28 00 0



The emission values (noise / vibration) for FEIN power tools can be found at www.fein.com/vibration



We have always prided ourselves on the service we provide to our customers, whether it is a 1/4" socket or complex DC Multi-Spindle unit. Combining a range of the highest quality products with the support of our skilled, highly trained staff. Our motto is "if we cant support it, we wont sell it".

Applied Torque offer the full package providing Sales-Hire- On-Site Calibration-In House Calibration-Service-Repair-Design & Manufacture.

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