

► AUTOMOTIVE

FEIN. Unverwüsthliche
Elektrowerkzeuge.



Precision. On point.

FEIN, the full-range supplier for precision screw applications in industrial series production.

NEW

FEIN AccuTEC –
now up to 531 lbf in
(60 Nm)



The FEIN AccuTEC screwdrivers – for absolute process reliability, outstanding cost-effectiveness and maximum precision.

FEIN ACCUTECH screwdrivers are specially developed for the stringent requirements of industrial series production. They offer outstanding repeat accuracy, maximum precision and enormous flexibility. Fully adjustable across large torque ranges, they master numerous different screw applications and the programmable models permit the handling of individual torque-rate joints.

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

- ▶ Outstanding ergonomics and short designs.
- ▶ Maximum functionality and a simple operating concept.
- ▶ High quality screw connections in the 6 to 531 lbf in (0.7 to 60 Nm) torque range.
- ▶ Infinitely variable setting of no-load speeds from 20 to a maximum of 950 rpm.



FEIN advantages:

- ▶ Brushless FEIN PowerDrive motors with high efficiency for up to 30% more screw applications per battery charge.
- ▶ High screw application quality thanks to low starting torques, independent of the screwdriving applications.
- ▶ Industrial-quality FEIN li-ion batteries with SafetyCell technology for maximum durability.
- ▶ Low maintenance costs due to long service life.
- ▶ Process-optimized shut-off screwdrivers are certifiable according to ISO 5393 and satisfy the MFU machine capability test according to VDI/VDE 2647.
- ▶ Made in Germany.

**FEIN ACCUTEC baton offset screwdrivers**

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

**FEIN ACCUTEC pistol grip screwdrivers**

Lightweight pistol grip screwdrivers with outstanding ergonomics for fatigue-free work.

**FEIN ACCUTEC ParameterControl**

Complex screw applications can be divided into as many as seven segments and processed individually with the programmable FEIN ACCUTEC PC screwdrivers.

NEW

FEIN AccuTEC ASW with up to 531 lbf in (60 Nm): highly flexible, powerful, precise and on point.

The FEIN ACCUTECH ASW 18 baton offset screwdriver is the latest development for the field of industrial series production. It not only reliably masters screw applications up to 531 lbf in (60 Nm), but does so with unrivaled speed. Not only are the maximum torque and speed values impressive. Both parameters can be individually adjusted over a large range, which ensures maximum flexibility.

FEIN advantages:

- ▶ Compact shape for work in difficult-to-reach spots.
- ▶ Maintenance-free, brushless FEIN PowerDrive motor.
- ▶ Restart delay and protection.
- ▶ High screw application quality thanks to the lowest starting torque tolerances.
- ▶ Consistent, precise tightening torque.

Freely programmable

- ▶ Only from FEIN, for both forward and reverse operation.
- ▶ Using the standard ParameterControl function.
- ▶ Can also be adjusted for complex torque-rate joints.

Adjustable angle head

For precise screw applications, even in difficult-to-reach spots.

Mechanical clutch

The torque can be precisely set over a large range and called up with repeat accuracy.

Compact design

The short overall length combined with ergonomic design ensures excellent accessibility.

FEIN battery technology

- ▶ FEIN li-ion batteries are available with 2.5 Ah and 5 Ah.
- ▶ With charge indicator.
- ▶ Operable to -4°F (-20°C).
- ▶ Innovative FEIN batteries with SafetyCell technology.


FEIN PowerDrive motor

- ▶ Practically no wear.
- ▶ Twice the service life.
- ▶ 30% more efficient.
- ▶ 100% more endurance per charge.







The FEIN AccuTEC baton offset screwdrivers at a glance.

FEIN ACCUTEc baton offset screwdrivers up to 124 lbf/in (14 Nm) for 14.4-volt li-ion batteries

Model		ASW 14-6	ASW 14-10	ASW 14-14
				
Torque range	lbf in (Nm)	13 - 54 (1.5 - 6)	17 - 89 (2 - 10)	26 - 124 (3 - 14)
No-load speed	rpm	650	500	400
Voltage	V	14.4	14.4	14.4
Weight with battery and angle head (according to EPTA)	lbs (kg)	3.1 (1.4)	3.1 (1.4)	3.1 (1.4)
Cmk value (based on 6 Sigma)		>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)
Order Number		7 112 40 09 95 0	7 112 42 09 95 0	7 112 58 09 95 0

Delivery does not include battery, charger, angle head or torque wrench.

Programmable FEIN ACCUTEc baton offset screwdrivers up to 266 lbf/in (30 Nm) for 14.4-volt li-ion batteries

Model		ASM 14-6 PC	ASM 14-10 PC	ASM 14-14 PC	ASM 14-30 PC
					
Torque range	lbf in (Nm)	13 - 54 (1.5 - 6)	17 - 89 (2 - 10)	26 - 124 (3 - 14)	106 - 265 (12 - 30)
No-load speed	rpm	50 - 670	50 - 670	50 - 500	20 - 240
Voltage	V	14.4	14.4	14.4	14.4
Weight with battery and angle head (according to EPTA)	lbs (kg)	3.1 (1.4)	3.1 (1.4)	3.1 (1.4)	4.4 (2.0)
Cmk value (based on 6 Sigma)		>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)
Order Number		7 112 50 09 95 0	7 112 51 09 95 0	7 112 52 09 95 0	7 112 53 09 95 0

Delivery does not include battery, charger, angle head or torque wrench.
 ASW 14-30 PC does not include battery, charger or torque wrench.

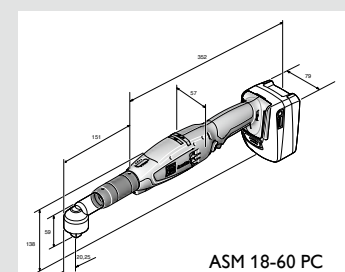
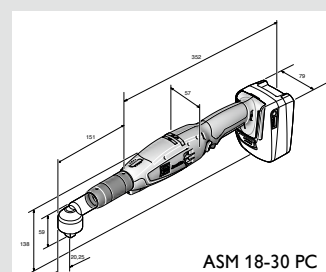
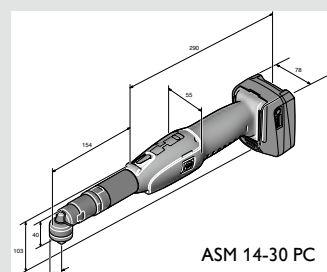
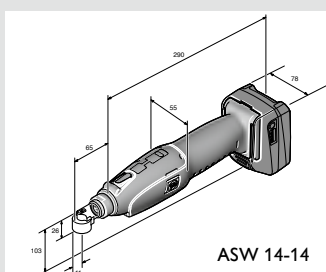
Programmable FEIN ACCUTEc baton offset screwdrivers up to 531 lbf/in (60 Nm) for 18-volt li-ion batteries

Model		ASM 18-30 PC	ASM 18-45 PC	ASM 18-60 PC
				
Torque range	lbf in (Nm)	106 - 265 (12 - 30)	177 - 398 (20 - 45)	221 - 531 (25 - 60)
No-load speed	rpm	30-420	25-310	20-230
Voltage	V	18	18	18
Weight with 18-volt, 5 Ah battery and angle head (according to EPTA)	lbs (kg)	4.6 (2.1)	4.6 (2.1)	5.0 (2.3)
Cmk value (based on 6 Sigma)		>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)
Order Number		7 112 62 60 09 0	7 112 63 60 09 0	7 112 64 60 09 0



Delivery does not include battery, charger, angle head or torque wrench.

Measurement form



FEIN AccuTEC ASM: Over 1 million screw connections.

The FEIN ACCUTECH pistol grip ASM screwdrivers – built for the most exacting speed and precision requirements. The electronically controlled motor speed keeps the nominal rpm constant over a broad range of torque up to the shutoff torque. This saves time in soft screw applications. The FEIN li-ion battery provides significantly more screw applications per charge and a longer operating period in assembly.

FEIN advantages:

- ▶ Maintenance-free, brushless PowerDrive Motor for up to 30% more screw applications per battery charge.
- ▶ No drop in speed until torque is cut off.
- ▶ Long operating periods thanks to high performance li-ion batteries.
- ▶ Machine data read-out possible using ParameterControl software.

Forward and reverse rotation

By pressing once, the FEIN ACCUTECH ASM is quickly and easily switched to reverse rotation. An acoustic signal marks the change.

Gearbox

The needle-bearing gearbox is maintenance-free, extremely robust and very quiet.

PowerDrive motor

- ▶ Practically no wear.
- ▶ Twice the service life.
- ▶ 30% more efficient.
- ▶ 100% more endurance per charge.

High performance LED

The integrated light ensures optimal illumination of the screw location.

Constant electronics

The electronics ensure constant speeds until cutoff.



FEIN battery technology

- ▶ FEIN li-ion batteries are available with 2.5 Ah and 5 Ah.
- ▶ With charge indicator.
- ▶ Operable to -4°F (-20°C).
- ▶ Innovative FEIN batteries with SafetyCell technology.

**LI-ION
BATTERIES**





FEIN AccuTEC pistol grip screwdrivers at a glance.

FEIN AccuTEC ASM pistol-grip screwdrivers up to 106 lbf/in (12 Nm) for 14.4-volt li-ion batteries

Model		ASM 14-2	ASM 14-6	ASM 14-9	ASM 14-12
					
Torque range	lbf in (Nm)	6 - 17 (0.7 - 2)	10 - 54 (1.2 - 6)	17 - 80 (2 - 9)	26 - 106 (3 - 12)
No-load speed	rpm	350	600	600	500
Voltage	V	14.4	14.4	14.4	14.4
Weight with battery (according to EPTA)	lbs (kg)	2.9 (1.3)	2.9 (1.3)	2.9 (1.3)	2.9 (1.3)
Tool mount	in	¼ in hexagonal socket	¼ in hexagonal socket	¼ in hexagonal socket	¼ in hexagonal socket
Cmk value (based on 6 Sigma)		>1.67 at (± 12%)	>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)
Order Number		7 112 60 09 95 0	7 112 28 09 95 0	7 112 59 09 95 0	7 112 57 09 95 0

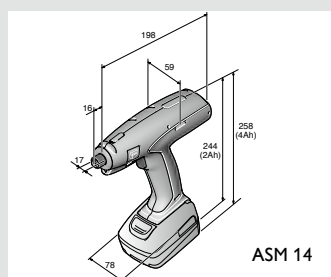
Does not include battery or charger.

Programmable FEIN AccuTEC pistol grip screwdrivers up to 106 lbf/in (12 Nm) for 14.4-volt li-ion batteries

Model		ASM 14-2 PC	ASM 14-6 PC	ASM 14-9 PC	ASM 14-12 PC
					
Torque range	lbf in (Nm)	6 - 17 (0.7 - 2)	10 - 54 (1.2 - 6)	17 - 80 (2 - 9)	26 - 106 (3 - 12)
No-load 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)	lbs (kg)	2.9 (1.3)	2.9 (1.3)	2.9 (1.3)	2.9 (1.3)
Tool mount	in	¼ in hexagonal socket	¼ in hexagonal socket	¼ in hexagonal socket	¼ in hexagonal socket
Cmk value (based on 6 Sigma)		>1.67 at (± 12%)	>1.67 at (± 10%)	>1.67 at (± 10%)	>1.67 at (± 10%)
Order Number		7 112 61 09 95 0	7 112 54 09 95 0	7 112 55 09 95 0	7 112 56 09 95 0

Does not include battery or charger.

Measurement form

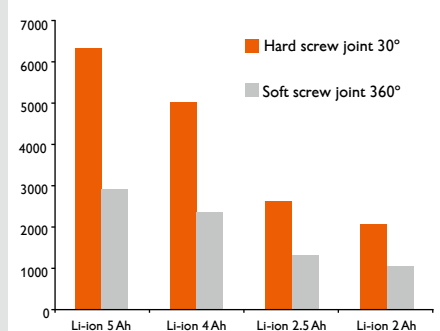


FEIN SafetyCell technology



All FEIN li-ion batteries feature SafetyCell technology: A separate communication cable protects the battery and the machines from overloading, overheating and deep discharge. That makes FEIN battery technology durable and safe.

Screw applications per battery charge



FEIN AccuTEC with ParameterControl – precision for individual screwdriving applications.

In response to increasingly complex assembly procedures, FEIN offers perfect solutions for almost all production processes. Going beyond the standard product range, FEIN ACCUTECH ParameterControl screwdrivers are available for individual screwdriving applications.

Using freely programmable parameters such as angle of rotation, time, torque, speed and rotation direction, the tightening behavior of every screw joint can be precisely set in up to seven program steps.

The constant monitoring of parameters during the screwdriving application ensures a high level of reliability. This leads to a significant increase in quality and measurably optimizes the procedures in volume production.

FEIN ACCUTECH screwdrivers with ParameterControl are therefore the best choice, including from an economic viewpoint.



FEIN advantages:

- ▶ No loss of speed when driving screws in the individual levels thanks to FEIN speed monitoring.
- ▶ Unlimited programmable parameters: speed, direction, rotation angle, torque threshold, time.
- ▶ Recording of screw connections made and calibration data takes place in the maintenance module.
- ▶ Exact adjustment to the specific screwdriving application due to individual programming.
- ▶ The parameters can be set individually in up to seven program steps.
- ▶ The parameters can also be set for reverse running.
- ▶ 100% process-optimized. Adjustable error criteria prevent manipulation of the screwdriving process.
- ▶ Secure machine programming using an integrated interface and the included software.
- ▶ Protection of the machine from unintended access, by means of factory-installed password.

FEIN ParameterControl Software**Individual programming in only a few steps:**

- ▶ Easy entry of required data at the computer.
- ▶ Transfer over an interface integrated into the screwdriver.
- ▶ Storage of the data on the computer for later reuse. For example, when machines are exchanged.

ASW 14/18 accessories

Code sleeve set

For color identification of variants.



	Pack	Order Number
Assorted colors	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
Gray	10	3 05 01 353 01 0
Green	10	3 05 01 354 01 0
Black	10	3 05 01 352 01 0

Safety housing for baton offset screwdrivers



Order Number

ASW 14	3 21 74 014 010
ASW 18	3 21 74 024 010

Angle head with output < 124 lbf in (14 Nm)



Order Number

Basic	
1/4 in external square	9 01 02 014 01 0
QuickIN 1/4 in hexagonal socket	9 01 02 012 01 0
3/8 in external square	9 01 02 013 01 0

Angle head with output > 265 lbf in (30 Nm)



Order Number

398 lbf in (30/45 Nm) external square	9 01 02 015 02 0
531 lbf in (60Nm) external square	9 01 02 016 02 0

Straight output



Order Number

1/4 in hexagonal socket	9 01 06 001 02 0
3/8 in external square	9 01 06 002 02 0

Plastic cover

for angle heads. For protection of the workpiece surface from mechanical damage.



Order Number

up to 124 lbf in (14 Nm)	3 14 28 166 00 0
up to 398 lbf in (45 Nm)	3 21 74 022 01 0
up to 531 lbf in (60 Nm)	3 21 74 021 01 0

Clamp adapter for premium angle head up to 124 lbf in (14 Nm)

With 1/4" external square, suitable for closed Lübberring geared offset heads adapter A.



Order Number 6 39 01 046 00 0

ASW 14 extension

3-25/64 in (86 mm).
For reduction of reaction torque.



Order Number 6 42 03 004 01 0

ASW 18 extension

3-15/16 (100 mm).
For reduction of reaction torque.



Order Number 6 42 03 005 01 0

ASW handle

For ASW14-30 and all ASW 18 models.

Order Number 3 21 19 150 01 0

ASM accessories

Code sleeve set

For color identification of variants.

	Pack	Order Number
Assorted colors	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
Gray	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 housing

To prevent workpieces from damage.



Order Number 3 14 20 120 01 0

General accessories for all machines

Charger adapter

for the interface of NiCad and NiMH batteries on ALS 40, ALG 40 and ALG 30 chargers.



Order Number 9 26 04 103 01 0

ParameterControl accessories

Programming adapter

For all ACCUTECH ParameterControl models.
Price includes: Software on USB card incl. operating instructions, adapter and connecting cable.



Order Number 9 26 04 163 02 0

Li-ion batteries

Battery type			
Voltage	12V	14.4V	14.4V
Capacity	2.5 Ah	2.5 Ah	5 Ah
Weight	0.55 lbs (250 g)	0.88 lbs (400 g)	1.32 lbs (600 g)
Order number 1 pack	9 26 04 168 02 0	9 26 04 170 02 0	9 26 04 172 02 0
Order number 15 pack	-	9 26 04 170 03 0	9 26 04 172 03 0

Battery type		
Voltage	18V	18V
Capacity	2.5 Ah	5 Ah
Weight	0.99 lbs (450 g)	1.54 lbs (700 g)
Order number 1 pack	9 26 04 171 02 0	9 26 04 173 02 0
Order number 12 pack	9 26 04 171 03 0	9 26 04 173 03 0

Battery protection shells



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

Battery chargers

Model	ALG 30	ALS 40
Insert		
Input voltage	V	120
Frequency	Hz	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	°F (°C)	0-113 (0-45)
Charging time	min.	20-60
NiCad 1.25 Ah charging time	min.	25
NiCad 3 Ah charging time	min.	60
Li-ion 2.6 Ah charging time	min.	45
Weight	lbs(kg)	1.5 (0.7)
Order Number	9 26 04 101 01 0	9 26 04 119 01 0

Balancer

Secure "zero-gravity" suspension of equipment and power connection.



High tensile strength nylon rope

Adjustable load	Weight	Factory setting	max. rope extension	Order Number
1.1 - 3.3 lbs (0.5 - 1.5 kg)	0.77 lbs (0.35 kg)	2.2 lbs (1 kg)	2.9 ft (0.9 m)	9 08 01 012 00 8
3.3 - 5.5 lbs (1.5 - 2.5 kg)	0.77 lbs (0.35 kg)	4.4 lbs (2 kg)	2.9 ft (0.9 m)	9 08 01 023 00 1

Wire cable

Adjustable load	Weight	Factory setting	max. rope extension	Order Number
1.1 - 3.3 lbs (0.5 - 1.5 kg)	0.77 lbs (0.35 kg)	2.2 lbs (1 kg)	2.9 ft (0.9 m)	9 08 01 052 00 4
3.3 - 5.5 lbs (1.5 - 2.5 kg)	0.77 lbs (0.35 kg)	4.4 lbs (2 kg)	2.9 ft (0.9 m)	9 08 01 037 00 9

FEIN advantages:

- ▶ Small size.
- ▶ Uniform tension.
- ▶ Easily adjusted.
- ▶ Coiled power cord available as an accessory.



Steel cable

Adjustable load	Weight	Factory setting	max. rope extension	Order Number
2.2 - 6.6 lbs (1 - 3 kg)	7 lbs (3.5 kg)	4.4 lbs (2 kg)	6.6 ft (2.0 m)	9 08 01 024 00 9
5.5 - 11 lbs (2.5 - 5 kg)	7 lbs (3.5 kg)	7.7 lbs (3.5 kg)	6.6 ft (2.0 m)	9 08 01 025 00 3

FEIN advantages:

- ▶ Uniform tension.
- ▶ Non-fraying steel cable.
- ▶ Coiled power cord available as an accessory.

ASM / ASW hanger



Dimensions (HxWxD): 5-4/5 x 1-3/8 x 1/9 in
(147x35x2.8 mm)

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

ASCM 12

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

Technical specifications

Model	4-speed cordless drill/driver ASCM 12 C
Technical features	<ul style="list-style-type: none"> ▶ Brushless FEIN PowerDrive motor. ▶ 4-speed all-metal gearbox. ▶ Removable solid metal chuck. ▶ FEIN li-ion battery with SafetyCell technology. ▶ Compact design.
Battery voltage	12 V
Battery capacity	2.5 Ah
No-load speed	400/700/1,400/2,500 rpm
Max. torque (hard/soft)	354 / 177 lbf in (40 / 20 Nm)
Max. screw size	5/16 x 7-7/8 in (8x200 mm)
Weight with battery	2.43 lbs (1.1 kg)
Price includes	1 cordless drill/driver, 1 removable drill chuck, 1 belt clip and bit garage
Order Number	7 116 10 28 09 0



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

**FEIN. Unverwüstliche
Elektrowerkzeuge.**



FEIN cordless impact wrenches – extremely robust for tough jobs.

The FEIN ASCD 18 cordless impact wrenches set new standards: they enable low-recoil installation and removal of bolts with extremely high torque, up to 1398 lbs in (158Nm). They are extremely compact and robust due to the lightweight, glass fiber reinforced housing. FEIN cordless impact wrenches impress thanks to unrivaled ergonomics, maximum efficiency and reliability.

Technical specifications

Model	Cordless impact driver ASCD 18 W4
Technical features	<ul style="list-style-type: none"> ▶ 4-pole DC motor with overload protection. ▶ FEIN li-ion battery with SafetyCell technology. ▶ ¼ in hexagonal mount. ▶ Compact design. ▶ Radial impact function.
Battery voltage	18V
Battery capacity	4Ah
No-load speed	2,200 rpm
Impacts	3,200 rpm
Max. torque	1398 lbf in (158 Nm)
Max. screw Ø	M14
Weight	3.97 lbs (1.8 kg)
Price includes	1 cordless impact wrench
Order Number	7 115 02 28 09 0



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

Still have questions? Your specialty dealer will be happy to help:

DE: C. & E. Fein GmbH, Tel. 07173 183-0, www.fein.com

US: FEIN Power Tools Inc., Phone 1-412-922-8886, Toll Free: 1-800-441-9878, www.feinus.com

CA: FEIN Canada, Phone 905 890-1390, Toll Free: 1-800-265-2581, Toll Free (Français): 1-800-789-8181, www.fein.ca

www.fein.com