

# **FEIN AccuTec – Precision fastening tools for industry.**

Serial precision work.

**FEIN**



# PRECISION HAS A NAME.

In 1867, Wilhelm Emil Fein founded a company to manufacture physical and electrical appliances. Scarcely 30 years later, the first electric hand drill was invented there. This was the foundation stone for the development of first-class high-precision power tools, manufactured in Germany. We always keep one thing in focus: our customers' stringent requirements.

**We have revolutionised serial production, achieving several milestones on the way.**

- 1986: First AccuTec screwdriver with mechanical shut-off coupling
- 2001: First tool with brushless EC motor
- 2010: Lithium-ion battery technology and 2-stage tightening introduced
- 2013: All AccuTec models now programmable with PC software
- 2019: All AccuTec screwdrivers now have a MultiVolt 12-18 V interface

**Expert technology from Germany**

## FEIN AccuTec screwdrivers

FEIN AccuTec screwdrivers are specifically designed for the tough requirements of industrial volume production. They offer very high repeat accuracy, maximum precision and enormous flexibility. Continuously adjustable over a wide torque range, they can handle a wide range of different screwdriving applications.

**FEIN AccuTec screwdrivers offer you a huge range of benefits, when it comes to continuous use in industry:**

- Excellent ergonomics, low weight and short designs
- Maximum functionality and simple operating concept
- High-value screw connections in the torque range from 0.5 Nm to 60 Nm (max. torque applicable under load)
- Continuously adjustable speed

**NEW**



**NEW**

**Screwdriver with mid-mounted handle**

# FEIN ACCUTECH ASM 18



**For screw applications up to 12Nm**

The FEIN AccuTec ASM screw gun with mid-mounted handle has been designed to meet the most stringent speed and precision requirements. The electronically controlled motor speed remains constant under load 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 can also be used for longer period during installation work.

**Maximum precision**

thanks to mechanical shut-off coupling which enables the torque to be adjusted precisely over wide ranges and high-precision repeat work.

**Maximum process reliability**

based on optical and acoustic display of the screw connection result (OK/NOT OK) and the battery capacity.

**Compact ergonomic design**

for each screwdriving application, even when working in tight spaces or overhead.

**Guaranteed compatible**

with all FEIN batteries thanks to the FEIN MultiVolt interface (from 12 V to 18 V).

**Keep an eye on usage**

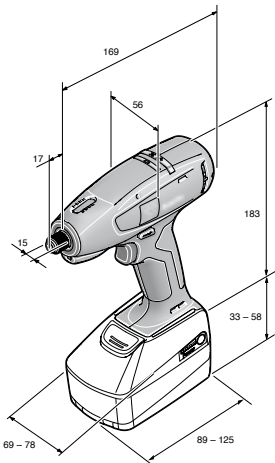
thanks to the bright LED!

**Long life and powerful drive**

from the most powerful EC motor of its class – effective power, even in the lower speed range.

**Find the right screwdriver with a mid-mounted handle:**

ASM 18-3 PC	0.5 – 3 Nm
ASM 18-8 PC	1 – 8 Nm
ASM 18-12 PC	4 – 12 Nm







## Overview of the ASM family


	ASM 18-3 PC	ASM 18-8 PC	ASM 18-12 PC
<b>Torque range (Nm)</b>	0.5 – 3	1 – 8	4 – 12
<b>Speed range (rpm)</b>	110 – 1200	110 – 1200	80 – 900
<b>Default speed when supplied (rpm)</b>	600	600	450
<b>(Repeat) accuracy (Cmk)</b>	> 1.67 ± 10 % (relative to 6 Sigma) in accordance with ISO 5393/VDI 2647		
<b>MultiVolt interface (V)</b>	12 – 18	12 – 18	12 – 18
<b>Weight without battery (kg)</b>	0.8	0.8	0.8
<b>Tool mounting</b>	1/4" (ISO 1173 – F 6.3)		
<b>Torque setting</b>	with special adjustment tool		
<b>Scope of supply</b>	No battery, charger or adjustment tool		
<b>Order number</b>	7 112 77 60 00 0	7 112 78 60 00 0	7 112 79 60 00 0



Perfectly equipped

# Accessories for the ASM 18

Accessory	Compatible with	Order number
 Protective cover, housing ASM 18	FEIN AccuTec ASM 18	3 217 40 28 01 0
 Programming adapter for PC	FEIN AccuTec with PC function	9 26 04 163 02 0
 Tool holder for ASM/ASW	All FEIN AccuTec ASW and ASM models	3 21 26 012 01 0
 Adjustment tool	All FEIN AccuTec ASW and ASM models	3 21 23 002 00 6

Accessory	No. in pack*	Order number
 Coded sleeve (assorted colours)	7	3 05 01 352 02 0
 Coded sleeve (black)	10	3 05 01 352 01 0
 Coded sleeve (grey)	10	3 05 01 353 01 0
 Coded sleeve (green)	10	3 05 01 354 01 0
 Coded sleeve (blue)	10	3 05 01 355 01 0
 Coded sleeve (red)	10	3 05 01 356 01 0
 Coded sleeve (yellow)	10	3 05 01 358 01 0
 Coded sleeve (orange)	10	3 05 01 357 01 0

\*No. in pack = packaging unit

**Baton offset screwdriver**

# FEIN ACCUTECH ASW 18

**For screw applications up to 60Nm**

Screwdriving can be performed reliably and rapidly, with torques of up to 60 Nm, with the new FEIN AccuTec ASW 18 baton offset screwdriver. In addition to the impressive maximum torque and speed, both the torque and speed can be adjusted individually over a wide range, for maximum flexibility.



**Long life and powerful drive**

from the most powerful EC motor of its class – effective power, even in the lower speed range.

**Maximum precision.**

thanks to mechanical shut-off coupling which enables the torque to be adjusted precisely over wide ranges and high-precision repeat work.

**Suitable for a wide range of uses**

because of the continuously variable angled head which enables precise screwdriving, even in hard-to-reach places.

**Compact and ergonomic**

with well-thought-out design to ensure excellent accessibility and fatigue-free working.

**Flexible programmability**

using ParameterControl software: set the screwdriver to perfectly suit each screw-driving situation, whether running forwards or in reverse.

**Guaranteed compatible**

with all FEIN batteries thanks to the FEIN MultiVolt interface (from 12 V to 18 V).

**Find the right baton offset screwdriver for your application:**

ASW 18-6 PC	1.2 – 6 Nm
ASW 18-12 PC	3 – 12 Nm
ASW 18-18 PC	6 – 18 Nm
ASW 18-30 PC	12 – 30 Nm
ASW 18-45 PC	20 – 45 Nm
ASW 18-60 PC	25 – 60 Nm














## Overview of the ASW family

	ASW 18-6 PC	ASW 18-12 PC	ASW 18-18 PC	ASW 18-30 PC	ASW 18-45 PC	ASW 18-60 PC
<b>Torque range (Nm)</b>	1.2 - 6	3 - 12	6 - 18	12 - 30	20 - 45	25 - 60
<b>Speed range (rpm)</b>	100 - 1340	75 - 1020	65 - 900	30 - 420	25 - 310	20 - 230
<b>Default speed when supplied (rpm)</b>	570	430	375	180	130	100
<b>(Repeat) accuracy (Cmk)</b>	> 1.67 ± 10 % (relative to 6 Sigma) in accordance with ISO 5393/VDI 2647					
<b>MultiVolt interface (V)</b>	12 - 18	12 - 18	12 - 18	18	18	18
<b>Battery capacity (Ah)</b>	3 - 6	3 - 6	3 - 6	3 - 6	3 - 6	3 - 6
<b>Weight without battery (kg)</b>	1	1	1.2	1.5	1.65	1.65
<b>Angled head</b>	1 2 3	1 2 3	6	4 5	4 5	5
<b>Scope of supply</b>	No battery, charger, adjustment tool or angled head					
<b>Order number</b>	7 112 66 60 00 0	7 112 68 60 00 0	7 112 70 60 00 0	7 112 62 60 00 0	7 112 63 60 00 0	7 112 64 60 00 0

\*The numbered items refer to the suitable angled head Quick-IN accessories in the table on page 10










Perfectly equipped

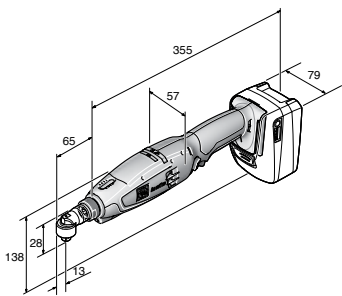
# Accessories and technical data for the ASW 18

	Angled head Quick-IN accessories	Compatible with	Order number
1	 Angled head up to 12 Nm Quick-IN hex tool holder	ASW 18-6 PC/ASW 18-12 PC	9 01 02 012 01 0
2	 Angled head up to 12 Nm 3/8" square head	ASW 18-6 PC/ASW 18-12 PC	9 01 02 013 01 0
3	 Angled head up to 12 Nm 1/4" square head	ASW 18-6 PC/ASW 18-12 PC	9 01 02 014 01 0
4	 Angled head up to 45 Nm 3/8" square head	ASW 18-30 PC/ASW 18-45 PC	9 01 02 015 02 0
5	 Angled head up to 60 Nm 1/2" square head	ASW 18-60 PC	9 01 02 016 02 0
6	 Angled head 18 Nm 3/8" square head	ASW 18-18 PC	9 01 02 017 02 0
7	 Straight output Quick-IN hex tool holder	ASW 18-6 PC	9 01 06 001 02 0
8	 Straight output 3/8" square head	ASW 18-6 PC	9 01 06 002 02 0
9	 Extension	ASW 18-6 PC/ASW 18-12 PC	6 42 03 004 01 0

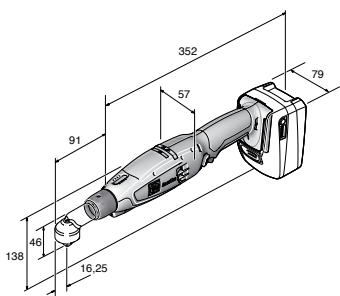
Accessory	No. in pack*	Order number
 Coded sleeve (assorted colours)	7	3 05 01 352 02 0
 Coded sleeve (black)	10	3 05 01 352 01 0
 Coded sleeve (grey)	10	3 05 01 353 01 0
 Coded sleeve (green)	10	3 05 01 354 01 0
 Coded sleeve (blue)	10	3 05 01 355 01 0
 Coded sleeve (red)	10	3 05 01 356 01 0
 Coded sleeve (yellow)	10	3 05 01 358 01 0
 Coded sleeve (orange)	10	3 05 01 357 01 0

\*No. in pack = packaging unit

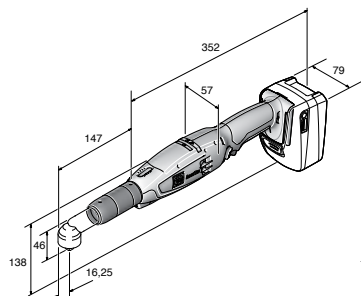
Accessory	Compatible with	Order number
 Protective cover, housing ASW 18	FEIN AccuTec ASW 18	3 21 74 024 01 0
 Programming adapter for ParameterControl	All FEIN AccuTec ASW and ASM models	9 26 04 163 02 0
 Tool holder for ASM/ASW	All FEIN AccuTec ASW and ASM models	3 21 26 012 01 0
 Protective cover, angled head 30/45 Nm*	4 6	3 21 74 022 01 0
 Protective cover, angled head 60 Nm*	5	3 21 74 021 01 0
 Protective cover, angled head up to 12 Nm*	1 2 3	3 21 74 023 01 0
 Adjustment tool	All FEIN AccuTec ASW and ASM models	3 21 23 002 00 6
 Hook wrench (for attaching angled head)	ASW 18-18/30/45/60 PC	6 29 08 014 00 0
 Extension for ASW 18	ASW 18-30/45/60 PC	6 42 03 005 01 0



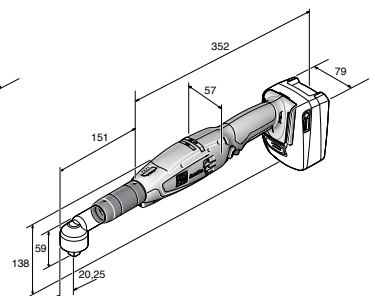
**ASW 18-6 PC**  
**ASW 18-12 PC**



**ASW 18-18 PC**



**ASW 18-30 PC**  
**ASW 18-45 PC**



**ASW 18-60 PC**

## Precision for individual screwdriving applications

# FEIN AccuTec with ParameterControl

In response to increasingly complex assembly procedures, FEIN offers perfect solutions for practically all screwdriving processes.

The individual tightening behaviour can be set precisely for every screw-driving situation, in up to seven programme steps, using freely programmable parameters such as the angle of rotation, time, torque threshold, speed and direction of rotation. The constant monitoring of these parameters during the screwdriving application 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 AccuTec screwdrivers with ParameterControl the best choice, even when it comes to price.



## ParameterControl

### 3 steps to programming

1. Download the ParameterControl software
2. Connect the programming adapter, which you can obtain separately, to the computers and run the programme.
3. Now configure the AccuTec screwdriver to suit your screw-driving situation.



The programming adapter for all AccuTec ParameterControl models.

## The benefits when you use ParameterControl:

- Increased safety when monitoring parameters
- You can fetch tool data (serial number, firmware version, maintenance data, fastening counter) with ease
- Tightening can be configured in up to 7 programme steps
- You can use adjustable error criteria to optimise the process, for a reliable screwdriving process
- Transferable memory and charging functions provide a fast, easy way to set tool parameters on the same models
- Four configurable switch-off criteria can be used: angle of rotation, torque threshold, mechanical clutch or time
- The tool is protected against unauthorised access by a factory-installed password.



# More power. More performance.

FEIN's SafetyCell technology guarantees a long service life. The charge state indicator shows how long remains before the battery will need to be charged.

The new 12 V and 18 V 3Ah and 6 Ah batteries give you even more power. Their higher capacity enable you to work 20% longer than before. The longer intervals between charging also mean that fewer loading cycles are needed, increasing overall battery service life. In addition, the dust-proof housing contributes to the long battery service life.

### Select the right battery for your purpose:

- Small and lightweight: 3Ah
- Enduring: 6Ah

Batteries	Li-Ion Akku 18 V / 6 Ah	Li-Ion Akku 18 V / 3 Ah	Li-Ion Akku 12 V / 3 Ah	Li-Ion Akku 12 V / 6 Ah
Model	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Battery voltage (V)	18	18	12	12
Capacity (Ah)	6	3	3	6
Weight (kg)	700 g	450 g	250 g	450 g
Charge time (min)**	38	26	26	38
Order number (No. in pack*)	9 26 04 175 02 0 (1)	9 26 04 182 02 0 (1)	9 26 04 183 02 0 (1)	9 26 04 184 02 0 (1)
Order number (No. in pack*)	9 26 04 175 03 0 (12)	9 26 04 182 03 0 (12)	9 26 04 183 03 0 (25)	9 26 04 184 03 0 (15)
Battery cover	3 21 74 019 01 0	3 21 74 020 01 0	3 21 74 025 01 0	3 21 74 029 01 0

For protecting the work piece surfac mechanical damages



\*No. in pack = packaging unit

\*\*Rapid charging up to 80 % the max. capacity

## Efficient protection – FEIN SafetyCell technology

A separate communication cable is used, providing the battery and tool with reliable protection against overheating, overloading and total discharge, for a long life and enabling you to work for long periods.



### ALG 80 rapid charger

Battery voltage: 12V/14 V/18 V  
 Charging current: 8 A  
 Weight: 650 g  
 Order number: 9 26 04 180 01 0

## Ready for use again in no time – the ALG 80 rapid charger

Thanks to the high 8 A charging current and FEIN's rapid charging process, batteries are charged in half the time.

**18 V/3 Ah**  
26 min.



**18 V/6 Ah**  
38 min.



80% of the maximum capacity

### Complete control:

The large LED display means you can see the charge level at any time.

### USB port:

Simply download additional devices such as a smartphone or tablet.

### Gentle charging:

To extend battery life, the final charging stage is completed gently with a lower-level charging current.

# Applifast.



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