



# FEIN ACCUTEC – THE INDUSTRY'S MOST ADVANCED CLUTCH TOOL





# PRECISION HAS A NAME. **FEIN ACCUTECH**

The modern day assembly line is an engineering marvel. Parts from all over the world come together and people and machines assemble works of art. Consistency is key. Each part has a specific job to do and each has to be installed correctly for the big picture to come together.

**FEIN AccuTec** assembly tools have been helping to streamline assembly lines for decades, putting reliable, cutting edge assembly tools into the hands of assembly line workers. FEIN's line of assembly tools are up to the challenge to provide the very best in consistency and repeatable fastening to keep factories moving.

The most intelligent clutch tool on the market

# FEIN ACCUTECH TORQUE DRIVERS

For industrial professionals seeking the utmost in torque control, precision and repeatability, FEIN AccuTec torque drivers are the perfect solution. With their adjustable torque settings and exceptional accuracy, they're designed to meet the rigorous demands of modern manufacturing

**FEIN AccuTec torque drivers offer numerous advantages for continuous operation in industrial applications:**

- Outstanding ergonomics, low weight and compact designs
- Maximum functionality and a simple operating concept
- High-quality fastener connections in the 0.5 to 60 Nm torque range (max. torque that can be used under load)
- Infinitely variable speed adjustment

**NEW**



## TORQUE CONTROLLED PISTOL SCREWDRIVERS

# FEIN ACCUTECH ASM 18

The **FEIN AccuTec ASM 18** torque drivers were designed for the most rigorous speed and precision requirements. The electronically controlled motor speed remains constant under load until the moment it clutches out, while the FEIN Li-ion batteries allow for driving of more fasteners per battery charge, increasing your productivity on the job.

### MAXIMUM PROCESS RELIABILITY

Visual and audible indication of the process result (OK/NOK) cues. BMS prevents NOK due to low battery levels.

### MAXIMUM PRECISION

ISO5393 compliant with  
+/- 10% accuracy guaranteed  
+/- 5% accuracy demonstratable  
with a CMK > 1.67

### DURABLE AND POWERFUL

FEIN's PowerDrive Brushless Motor delivers class leading power and durability for 1 million+ cycles.

### SUPERIOR ERGONOMICS

Class leading weight, size and balance for all day comfort.

Durable  
1/4" QC

LED  
worklight

Durable, precise  
mechanical clutch

No contact  
trigger for  
high cycles

### Multi-Function LED

**Green** – OK tightening  
**Red** – NOK tightening  
**Yellow** process error indicator  
and BMS continuously monitors  
battery health

### Advanced Programming:

- + Speed
- + Angle
- + Time
- + Soft start
- + Rehit detection
- + Rehit prevention
- + Cross thread reduction
- + Constant throttle
- + Patented FTS FEIN  
Threshold Strategy

### Select the correct pistol grip torque driver for your application:

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



Multivolt technology  
use 12V, 14.4V & 18V  
FEIN Lithium batteries



## An overview of the FEIN AccuTec 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>Factory-delivered speed (rpm)</b>	600	600	450
<b>(Repeat) accuracy (Cmk)</b>	> 1.67 ± 10% (with respect to 6 Sigma) in acc. with ISO 5393/VDI 2647		
<b>MultiVolt interface (V)</b>	12 – 18	12 – 18	12 – 18
<b>Weight without Li-ion battery lbs (kg)</b>	1.8 lbs (0.8 kg)	1.8 lbs (0.8 kg)	1.8 lbs (0.8 kg)
<b>Tool mounting</b>	1/4" (ISO 1173 – F 6.3)		
<b>Torque setting</b>	Using a special adjustment tool		
<b>Part number (tool only)</b>	7 112 77 60 09 0	7 112 78 60 09 0	7 112 79 60 09 0
<b>Part number (set)*</b>	3Ah 6 990 81 17 10 3	6 990 81 17 10 4	6 990 81 17 10 5
	6Ah 6 990 81 17 10 0	6 990 81 17 10 1	6 990 81 17 10 2

\*Set includes: Tool, 2 Li-ion batteries, charger & torque key.

## Accessories for the ASM 18

Accessories	Compatible with	Part number
 Safety guard housing ASM 18	FEIN AccuTec ASM 18	3 217 40 28 01 0
 Programming adapter for the computer	FEIN AccuTec with computer function	9 26 04 163 02 0
 Tool stand ASM/ASW	All FEIN AccuTec ASW/ASM models	3 21 26 012 01 0
 Adjustment tool	All FEIN AccuTec ASW/ASM models	3 21 23 002 00 6
 Suspension bow	All FEIN AccuTec ASW/ASM models	3 21 25 050 00 7

Accessories	Qty.	Part number
 Coding Sleeve (various colors)	7	3 05 01 352 02 0
 Coding Sleeve (black)	10	3 05 01 352 01 0
 Coding Sleeve (gray)	10	3 05 01 353 01 0
 Coding Sleeve (green)	10	3 05 01 354 01 0
 Coding Sleeve (blue)	10	3 05 01 355 01 0
 Coding Sleeve (red)	10	3 05 01 356 01 0
 Coding Sleeve (yellow)	10	3 05 01 358 01 0
 Coding Sleeve (orange)	10	3 05 01 357 01 0

# TORQUE CONTROLLED ANGLE NUTRUNNER

# FEIN ACCUTECH ASW 18

The high-performance **FEIN AccuTec ASW 18** right angled torque drivers makes fastening up to 60 Nm more reliable and efficient. Not only are the maximum torque and speed values impressive, but both values can be adjusted as needed over a large range, which ensures maximum flexibility.

### MAXIMUM PROCESS RELIABILITY

Visual and audible indication of the process result (OK/NOK) ques. BMS prevents NOK due to low battery levels.

### MAXIMUM PRECISION

ISO5393 compliant with  
+/- 10% accuracy guaranteed  
+/- 5% accuracy demonstratable  
with a CMK > 1.67

### DURABLE AND POWERFUL

FEIN's PowerDrive Brushless Motor delivers class leading power and durability for 1 million+ cycles.

### COMPACT AND ERGONOMIC DESIGN

Class leading weight, size and balance for all day comfort.

### Interchangeable heads

Choose from up to 10 FEIN heads & extensions compatible with LÜBBERING LSP3. Heads ordered separately



### Advanced Programming:

- + Speed with constant throttle
- + Angle
- + Time
- + Soft start
- + Rehit detection
- + Rehit prevention
- + Cross thread reduction
- + Reverse lockout
- + Patented FTS FEIN Threshold Strategy

### Multi-Function LED

**Green** – OK tightening  
**Red** – NOK tightening  
**Yellow** process error indicator and BMS continuously monitors battery health

### Select the correct right angled torque driver 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



## An overview of the FEIN AccuTec 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 – 1100	75 – 850	65 – 765	30 – 357	25 – 264	20 – 196
<b>Factory-delivered speed (rpm)</b>	570	430	375	180	130	100
<b>(Repeat) accuracy (Cmk)</b>	> 1.67 ± 10% (with respect to 6 Sigma) in acc. with ISO 5393/VDI 2647					
<b>MultiVolt interface (V)</b>	12 – 18	12 – 18	18	18	18	18
<b>Li-ion battery capacity (Ah)</b>	3/6	3/6	3/6	3/6	3/6	3/6
<b>Weight without Li-ion battery lbs (kg)</b>	2.2 lbs (1 kg)	2.2 lbs (1 kg)	2.6 lbs (1.2 kg)	3.3 lbs (1.5 kg)	3.6 lbs (1.65 kg)	3.6 lbs (1.65 kg)
<b>Angle head*</b>	1 2 3 9	1 2 3 9	6	4 5 10	4 5 10	5 10
<b>Part number (tool only)</b>	7 112 66 60 09 0	7 112 68 60 09 0	7 112 70 60 09 0	7 112 62 60 09 0	7 112 63 60 09 0	7 112 64 60 09 0
<b>Part number (set)**</b>	<b>3Ah</b>	6 990 81 17 11 2	6 990 81 17 11 3	6 990 81 17 11 4	6 990 81 17 11 5	6 990 81 17 11 6
	<b>6Ah</b>	6 990 81 17 10 6	6 990 81 17 10 7	6 990 81 17 10 8	6 990 81 17 10 9	6 990 81 17 11 1

\*The numbers refer to the proper QuickIN angle head accessory from the table on page 8.

\*\*Set includes: Tool, 2 Li-ion batteries, charger, 3/8" or 1/2" square drive angle head & torque key.

## Accessories for the ASM 18

	Angle head QuickIN accessory	Compatible with	Part number
1	 Angle head up to 12 Nm, QuickIN hexagon socket	ASW 18-6 PC/ASW 18-12 PC	9 01 02 021 02 0
2	 Angle head up to 12 Nm, 3/8" external square	ASW 18-6 PC/ASW 18-12 PC	9 01 02 018 02 0
3	 Angle head up to 12 Nm, 1/4" external square	ASW 18-6 PC/ASW 18-12 PC	9 01 02 019 02 0
4	 Angle head up to 45 Nm, 3/8" external square	ASW 18-30 PC/ASW 18-45 PC	9 01 02 015 02 0
5	 Angle head up to 60 Nm, 1/2" external square	ASM 18-60 PC	9 01 02 016 02 0
6	 Angle head up to 18 Nm, 3/8" external square	ASM 18-18 PC	9 01 02 017 02 0
7	 Straight output quick-in hexagon socket	ASW 18-6 PC	9 01 06 001 02 0
8	 Straight output, 3/8" external square	ASW 18-6 PC	9 01 06 002 02 0
9	 Extension 100MM	ASW 18-6 PC/ASW 18-12 PC	6 42 03 004 01 0
10	 Extension 100MM	ASW 18 30/45/60 PC	6 42 03 005 01 0

## Accessories for the ASM 18

Accessories	Compatible with	Part number
 Safety guard housing ASW 18	FEIN AccuTec ASW 18	3 21 74 024 01 0
 Programming adapter for ParameterControl	All FEIN AccuTec ASW/ASM models	9 26 04 163 02 0
 Tool stand ASM/ASW	All FEIN AccuTec ASW/ASM models	3 21 26 012 01 0
 Angle head safety guard 30/45 Nm*	4 6	3 21 74 022 01 0
 Angle head safety guard 60 Nm*	5	3 21 74 021 01 0
 Angle head safety guard up to 12 Nm*	1 2 3	3 21 74 023 01 0
 Adjustment tool	All FEIN AccuTec ASW/ASM models	3 21 23 002 00 6
 C-wrench (for attaching the angle head)	ASW 18-18/30/45/60 PC	6 29 08 014 00 0
 Suspension bow	All FEIN AccuTec ASW/ASM models	3 21 25 050 00 7

Accessories	Qty.	Part number
 Coding Sleeve (various colors)	7	3 05 01 352 02 0
 Coding Sleeve (black)	10	3 05 01 352 01 0
 Coding Sleeve (gray)	10	3 05 01 353 01 0
 Coding Sleeve (green)	10	3 05 01 354 01 0
 Coding Sleeve (blue)	10	3 05 01 355 01 0
 Coding Sleeve (red)	10	3 05 01 356 01 0
 Coding Sleeve (yellow)	10	3 05 01 358 01 0
 Coding Sleeve (orange)	10	3 05 01 357 01 0



TAKE CONTROL OF YOUR ASSEMBLY LINE

# FEIN APC ACCUTEC PARAMETER CONTROL



## Accutec Parameter Control



+ FEIN Parameter Control software is **FREE** to download with **NO subscriptions**. Just purchase the USB-to-tool adaptor and take control of your tools.

+ No USB port on the tools to fail and cause downtime. FEIN's RS232 adaptor communicates through the battery connection on any PC.

## FEIN APC EXPERT FEATURES

### REHIT DETECTION

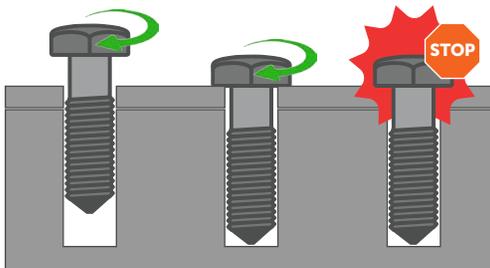
FEIN APC can be set to detect a high load and clutch out on startup. When triggered, the tool is locked for a user defined period of time to inform the operator that a rehit has taken place, or a cross thread has occurred.

### METHOD

User can define either time or angle as the trigger for rehit detection.

### REHIT PREVENTION

FEIN APC can be configured with a user defined trigger delay telling operators to avoid rapid rehits to an already tightened fastener.

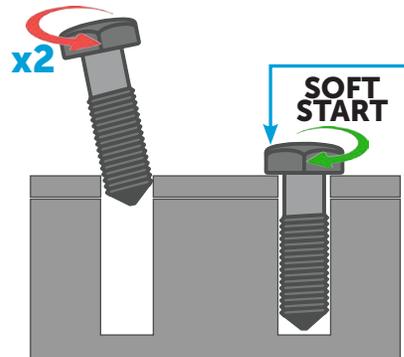


### CROSS THREAD REDUCTION

FEIN APC can be used to configure the tool to begin in reverse prior to tightening the fastener to ensure correct thread alignment.

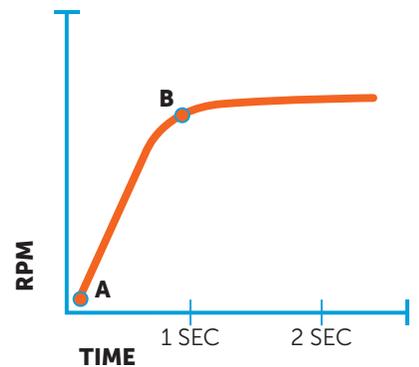
### METHOD

The user is in complete control of the number of loosening rotations (usually 2) and the RPM's at which those rotations are made prior to automatically switching to the tightening rotation. Combine this with soft start to further reduce the chance of a cross thread.



### SOFT START

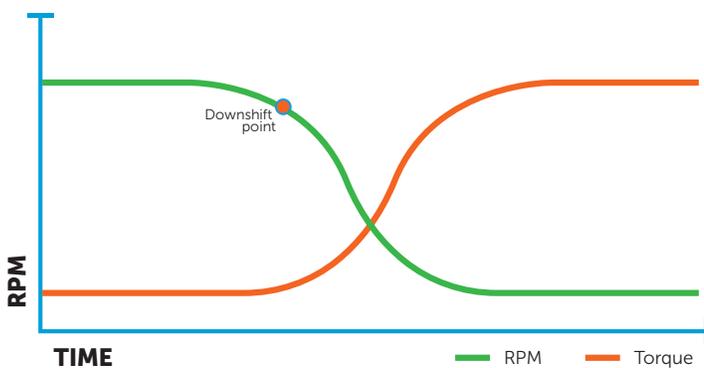
FEIN APC allows for user defined ramp up times up to 1 full second. This is especially useful when combined with cross thread prevention giving the operator time to align the fastener.



FEIN'S INDUSTRY LEADING TECHNOLOGY

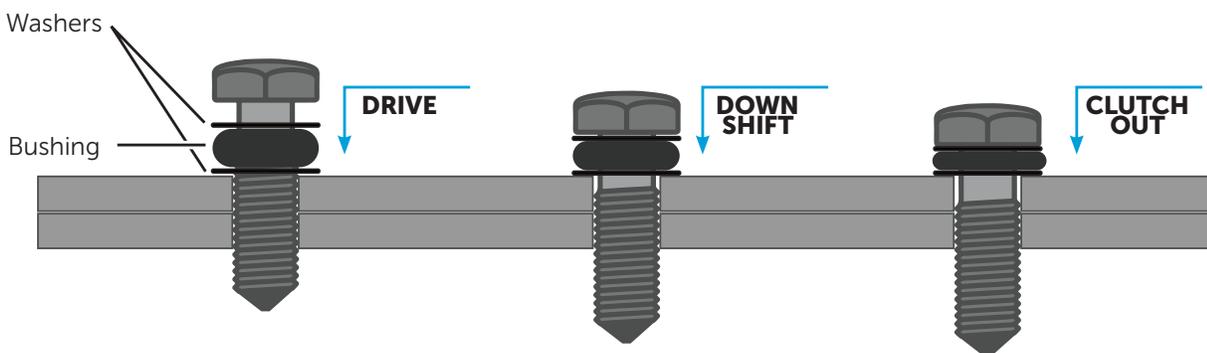
# FEIN PATENTED THRESHOLD TECHNOLOGY

Applying expensive transducerized tools and controllers just to achieve consistent results in softer joints can be overkill and costly. Where torque and angle don't need to be recorded, FEIN's patented threshold technology lets you deploy clutch tools where a DC tool would otherwise be required.



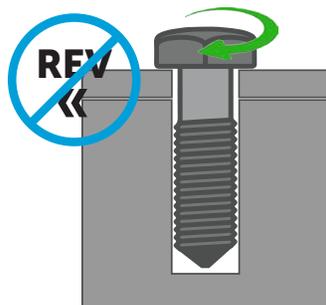
+ Accutec automatically downshifts when a user-defined percentage of the target torque is reached.

+ FEIN threshold technology uses the load on the motor and the draw on the battery to approximate a threshold similar to programming a DC tool.



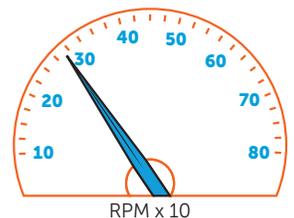
## REVERSE LOCKOUT

Tool can be configured to operate in a clockwise rotation only to prevent faster removal



## CONSTANT THROTTLE

FEIN's brushless motor circuitry maintains either the factory set rotation speed or the user defined speed all through the process until the clutch is triggered ensuring the highest level of accuracy and consistency.



FEIN SAFETYCELL TECHNOLOGY

# MORE POWER MORE PERFORMANCE

FEIN SafetyCell Technology guarantees a long battery life. The charge status indicator quickly shows how long remains before the battery will need to be charged.

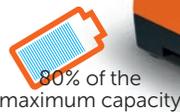
The new 12-volt and 18-volt Li-ion batteries with 3 Ah and 6 Ah give you even more power. The increased capacity allows you to work for 20% longer than before. And thanks to the longer service life, fewer charging cycles are needed. As a result, the overall lifetime of the battery is increased. In addition, the dust-proof housing adds to the long battery life.

## Select the right Li-ion battery for your application:

- + Compact and lightweight: 3Ah
- + Durable: 6Ah

### Ready for more work in no time – the ALG 80 rapid charger

Due to the high charging current of 8A and the FEIN rapid-charging technology, the Li-ion batteries are charged faster and more efficiently.



#### ALG 80 rapid charger

Li-ion battery voltage: 12 V/14 V/18 V  
Charging current: 8 A  
Weight: 1.4 lbs (650 g)  
Part number: 9 26 04 188 01 0

## 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, which extends the life of the tool and prevents the need to replace tool prematurely.



Li-ion batteries	Li-ion battery 18 V/6 Ah	Li-ion battery 18 V/3 Ah	Li-ion battery 12 V/3 Ah	Li-ion battery 12 V/6 Ah
<b>Model</b>	Li-ion	Li-ion	Li-ion	Li-ion
<b>Li-ion battery voltage (V)</b>	18	18	12	12
<b>Capacity (Ah)</b>	6	3	3	6
<b>Weight lbs (kg)</b>	1.5 lbs (700 g)	1.0 lbs (450 g)	0.6 lbs (250 g)	1.0 lbs (450 g)
<b>Charging time (min.)**</b>	38	26	26	38
<b>Part number (Qty 1)</b>	9 26 04 175 02 0	9 26 04 182 02 0	9 26 04 183 02 0	9 26 04 184 02 0
<b>Part number (Qty 12)</b>	9 26 04 175 03 0	9 26 04 182 03 0		
<b>Part number (Qty 15)</b>				9 26 04 184 03 0
<b>Part number (Qty 25)</b>			9 26 04 183 03 0	

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

## RETRACTING TOOL BALANCERS

# FEIN BALANCERS

FEIN tool balancers are the ultimate companion to your Accutec fleet. Designed to handle the most demanding production environments while delivering easy to use features, let FEIN's lineup of balancers add safety and convenience to your production line.

- + Suspend tool for easy access
- + Improved efficiency and reduces fatigue
- + Durable compact design
- + 360 degrees swivel for easy operator movement
- + Easy to adjust controls
- + Adjustable cable stop
- + Internal spring break protection system
- + Safety cable provision



Adjustable load capacity lbs (kg)	Weight lbs (kg)	Factory setting lbs (kg)	Max. cord extension ft (m)	Part number
1.1 - 3.3 (0.5 - 1.5)	.77 (.35)	2.2 (1)	3 (0.9)	9 08 01 012 00 8
3.3 - 5.5 (1.5 - 2.5)	.77 (.35)	4.4 (2)	3 (0.9)	9 08 01 023 00 1



Adjustable load capacity lbs (kg)	Weight lbs (kg)	Factory setting lbs (kg)	Max. cord extension ft (m)	Part number
2.2 - 6.6 (1 - 3)	7 (3.2)	4.4 (2)	6.6 (2)	9 08 01 024 00 9
5.5 - 11 (2.5 - 5)	7 (3.2)	7.7 (3.5)	6.6 (2)	9 08 01 025 00 3
7.7 - 14.3 (3.5 - 6.5)	7 (3.2)	11 (5)	6.6 (2)	9 08 01 026 00 6
9.9 - 13.8 (4.5 - 9)	7 (3.2)	15.4 (7)	6.6 (2)	9 08 01 027 00 0
16.5 - 24.2 (7.5 - 11)	7 (3.2)	19.8 (9)	6.6 (2)	9 08 01 028 00 8
22 - 30.8 (10 - 14)	7 (3.2)	26.4 (12)	6.6 (2)	9 08 01 029 00 2
29.7 - 37.4 (13.5 - 17)	7 (3.2)	33 (15)	6.6 (2)	9 08 01 030 00 4

POWER NEEDED FOR DEMANDING METALWORKING JOBS

# FEIN CORDLESS DRILL/DRIVING

MADE IN  
GERMANY

## USER PROTECTION

Restart protection, electronic overload protection and brake.

## POWERFUL

4-speed solid metal gearbox. With speeds of up to 4000 rpm for optimum cutting speeds in metal.

## MORE CONTROL

Extendible extra handle for improved leverage and grip.

## ADAPTABLE

The QuickIN heads can be changed in a matter of seconds and without the need for tools when users switch between applications - All drill/drivers come standard with a 3-jaw chuck.



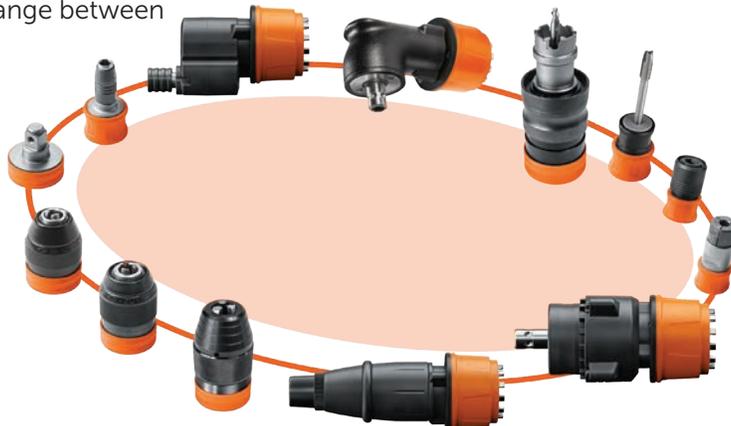
## OPERATOR PANEL FUNCTIONS

- + Drilling
- + Screwdriving
- + Fastening with precision depth control
- + Kickback monitoring
- + Work area LED
- + LED brightness adjustment

## 13 ACCESSORIES, 1 MACHINE QUICKIN SYSTEM FROM FEIN

11 QuickIN applications, one drill, endless possibilities. With the QuickIN System from FEIN, you can quickly and easily change between applications to save time and stay on track.

- + QuickIN Depth stop
- + QuickIN Angled head
- + QuickIN Eccentric adapter
- + QuickIN 1/4" Hex bit holder
- + QuickIN Tapping head
- + QuickIN Vario adapter
- + QuickIN Hole saw adapter
- + QuickIN Tapping collet adapter
- + QuickIN 1/2" Socket adapter
- + QuickIN Tap adapter
- + QuickIN Drill chuck



# AVAILABLE KITS



Powered by **BOSCH**



**ASCM 18-4 QMP AS QUICKIN START SET**  
 18V 4-speed cordless drill/driver  
**w/hammer function**  
**PART NUMBER:** 71161562090



**ASCM 18-4 QMP AS QUICKIN TOP SET**  
 18V 4-speed cordless drill/driver  
**w/hammer function**  
**PART NUMBER:** 71161565090

# AVAILABLE SELECT TOOLS



**ASCM 18-4 QMP AS SELECT**  
 18V 4-speed cordless drill/driver  
**w/hammer function (bare tool)**  
**PART NUMBER:** 71161661090



**ASCM 18-4 QM AS SELECT**  
 18V 4-speed cordless  
 drill/driver (bare tool)  
**PART NUMBER:** 71161561090



**ASCM 18 QWS AS SELECT**  
 18V 4-speed General Construction  
 Cordless Drill/Driver (bare tool)  
**PART NUMBER:** 71161461090



**ASCD 18-300 W2 AS SELECT**  
 18V Cordless Impact Wrench -  
 1/2" Square Drive (bare tool)  
**PART NUMBER:** 71151061090



**ASCD 18-1000 W34 AS SELECT**  
 18V Cordless Impact Wrench -  
 3/4" Square Drive (bare tool)  
**PART NUMBER:** 71151261090



**ASCD 18-200 W4 AS SELECT**  
 18V 1/4" Hex Cordless Impact  
 Driver (bare tool)  
**PART NUMBER:** 71151161090

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