

**FEIN. Unverwüstliche  
Elektrowerkzeuge.**



**Extremely powerful – the 14 / 18 volt cordless drill/drivers.**

Optimal cutting speeds and high torque for perfect drilling and screw-driving results.



## The most powerful FEIN cordless drill/driver – from the inventor of power tools.

For over 120 years, FEIN has set high standards when extremely reliable power tools are called for in trade and industry. From the invention of the first power drill in 1895, the first FEIN screwdriver in 1925, to milestones such as the two-speed power drill and the MULTIMASTER, FEIN has developed application solutions that stand for quality and performance.

FEIN continues this tradition with the 14/18-volt cordless drill/drivers: With 20 models and a unique range of batteries, FEIN underlines their expertise and experience in the production of professional power tools.



### Cordless drill/driver ASCM QX

The highest performance FEIN cordless drill/driver with brushless motor, 4-speed gearbox and interchangeable chuck.

from page 4



### Cordless drill/driver ASCM

The highest performance FEIN cordless drill/driver with brushless motor and 4-speed gearbox.

from page 4

The invention of the world's first power tool. In 1895, FEIN combined the hand drill with electric motors.



This drill was awarded a patent for the casing: Built of plastic, it serves as insulation.



FEIN developed the AccuTec for industrial volume production – guaranteed accurate and repeatable connections.



**Cordless hammer drill/driver ASB**

The versatile FEIN cordless drill/driver for demanding drilling and screw driving in all materials.

from page 8



**Cordless drill/driver ABS**

The compact FEIN cordless drill/driver. Lightweight and extremely durable.

from page 8



**Cordless impact wrench ASCD**

The extremely robust FEIN cordless impact wrench. Short, lightweight design with powerful 2,212 in/lbs (250 Nm) of torque.

from page 10

# FEIN 4-speed drill/driver – the most powerful cordless drill/driver.

The ideal relationship between battery, electronics and motor makes the ASCM the most powerful FEIN cordless drill/driver. The brushless FEIN PowerDrive motor impresses with its outstanding service life and 30% greater efficiency than comparable DC motors. The electronic torque cut-off ensures

high repeatability and the FEIN li-ion batteries with SafetyCell technology prevent damage from overloading.

The result; more power, greater precision, and more screw connections without charge!



## Interchangeable chuck and bit holder (ASCM QX)

- ▶ Bit holder reduces weight by 0.4 lbs (200 g).
- ▶ Practical, one hand operation.
- ▶ Powerful neodym magnet.

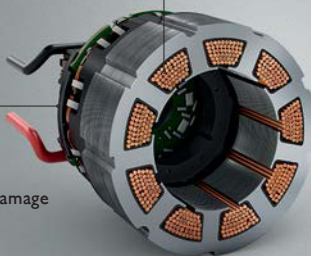


## 4-speed gearbox

- ▶ High speeds up to 3,850 rpm enable precise, fast drilling.
- ▶ High torques up to 796 in/lbs (90 Nm).
- ▶ Drive 3/8 x 15-3/4 in (10 x 400 mm) screws without pre-drilling.

**Exceptionally high copper content**  
for increased power and overload capacity.

**Intelligent control electronics**  
for protection from damage due to overloading.



**Extremely powerful, sintered neodymium magnet**  
for consistently high performance.

**3/8 in (10 mm) drive shaft**  
for extreme robustness and torsional strength.



## FEIN motor expertise

- ▶ Practically wear-free.
- ▶ 2x longer service life.
- ▶ 30% more efficient.
- ▶ 100% more endurance per charge.





#### Metal chuck

- ▶ Fast action chuck with spindle lock.
- ▶ Carbide jaws grip drill bits firmly.

#### FEIN brushless PowerDrive motor

- ▶ Extremely powerful thanks to high speeds up to 28,000 rpm.
- ▶ Large 1-7/8 in (48 mm) motor diameter for high torques up to 796 in/lbs (90 Nm).

You can learn more about **FEIN motor expertise** at our website: [feinus.com](http://feinus.com)

#### FEIN battery technology

Every FEIN cordless drill/driver is available with:

- ▶ 5 Ah or 2.5 Ah.
- ▶ 18 Volts or 14.4 Volts.
- ▶ SafetyCell technology.
- ▶ Charge indicator.
- ▶ 3 Year guarantee for battery and charger.

## Screw driving and drilling – combined perfectly in one machine.

Thanks to the patent-pending 4-speed gears, the correct speed and matching torque are always available for every application. With up to 3,850 rpm, the powerful 4-speed gearbox guarantees fast work progress and maximum precision when drilling.

The largest screw driving tasks are also mastered effortlessly. With a maximum torque of 796 in/lbs (90 Nm) and the powerful 18 Volt battery, even  $\frac{3}{8} \times 15\text{-}\frac{3}{4}$  in. (10 x 400 mm) screws can be driven without pre-drilling.



### Tip

## The optimal cutting speed for every hole diameter.

4 gears always provide the correct speed for the hole diameter and material. For example, 2,000 rpm for an 5/16 in (8 mm) hole in steel with a TiN-coated drill.

### 1. Determine the cutting speed based on material and drill.



**HSS drill**  
Structural steel:  
98-131 ft/s (30-40 m/min)  
Stainless steel:  
22-39 ft/s (7-12 m/min)

**TiN coated HSS**  
Structural steel:  
131-164 ft/s (40-50 m/min)  
Stainless steel:  
33-49 ft/s (10-15 m/min)

### 2. Determine the gear based on cutting speed and hole diameter.

Hole-Ø	Cutting speed ft/min (m/min)				
	33 (10)	66 (20)	98 (30)	131 (40)	164 (50)
5/64 (2)	3. gear	3. gear	4. gear	4. gear	4. gear
5/32 (4)	2. gear	3. gear	3. gear	4. gear	4. gear
1/4 (6)	1. gear	2. gear	3. gear	3. gear	3. gear
5/16 (8)	1. gear	2. gear	2. gear	3. gear	3. gear
3/8 (10)	1. gear	2. gear	2. gear	2. gear	3. gear
1/2 (12)	1. gear	1. gear	2. gear	2. gear	2. gear

## Technical specifications

Model	4-speed cordless drill/driver ASCM QX		4-speed cordless drill/driver ASCM	
				
<b>Technical features</b>	<ul style="list-style-type: none"> <li>▶ FEIN brushless PowerDrive motor.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ Interchangeable all-metal chuck/bit holder.</li> <li>▶ 4-speed all-metal gearbox.</li> <li>▶ Electronic torque adjustment.</li> <li>▶ Dustproof motor and electronics.</li> </ul>		<ul style="list-style-type: none"> <li>▶ FEIN brushless PowerDrive motor.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ All-metal fast-action chuck.</li> <li>▶ 4-speed all-metal gearbox.</li> <li>▶ Electronic torque adjustment.</li> <li>▶ Dustproof motor and electronics.</li> </ul>	
<b>Battery voltage (capacity)</b>	<b>18 Volts (5 Ah)</b>	<b>14.4 Volts (5 Ah)</b>	<b>18 Volts (5 Ah)</b>	<b>14.4 Volts (5 Ah)</b>
<b>Screw connections / charge*</b>	2,200	1,500	2,200	1,500
<b>No-load speed 1st / 2nd / 3rd / 4th gear</b>	0-400/0-800/0-1,950/0-3,850 rpm		0-400/0-800/0-1,950/0-3,850 rpm	
<b>Max. torque</b>	796 in/lbs (90 Nm)	752 in/lbs (85 Nm)	796 in/lbs (90 Nm)	752 in/lbs (85 Nm)
<b>Max. screw Ø</b>	3/8 x 15-3/4 in (10 x 400 mm)	1/4 x 11-3/4 in (8 x 300 mm)	3/8 x 15-3/4 in (10 x 400 mm)	1/4 x 11-3/4 in (8 x 300 mm)
<b>Chuck capacity</b>	1/16 - 1/2 in (1.5 - 13 mm)		1/16 - 1/2 in (1.5 - 13 mm)	
<b>Weight</b>	from 3.75 lbs (1.7 kg)		from 4.2 lbs (1.9 kg)	
<b>Price includes</b>	1 Cordless drill/driver, 2 Li-ion batteries (5 Ah or 2.5 Ah), 1 Rapid charger ALG 50, 1 Handle with 18 Volt model, 1 interchangeable chuck / separate bit holder with QX model, 1 Plastic tool case.			

\* 3/16 x 1-9/16 in (4 x 40 mm) wood screws in softwood.

### Carbide hole saws



Drilling large hole diameters in 1st or 2nd gear. Torque setting 15 provides additional safety when stalling.

### Perfect cutting speeds



The optimal speed is available for every hole diameter, thanks to the 4-speed gearbox.

### 3/8 x 15-3/4 in screws



Even demanding screw connections such as 3/8 x 15-3/4 in (10 x 400 mm) fully threaded screws go smoothly without pre-drilling.

## **FEIN 2-speed cordless (hammer) drill/driver – compact and extremely durable.**





The extremely reliable, powerful hammer drill/driver ASB and the drill/driver ABS achieve first-class results and optimum screw connection quality. The glass-fiber reinforced casings withstand

daily challenges in both trade and industry. Their outstanding ergonomics and very low weight are significant benefits that enable professional, efficient results while simultaneously reducing fatigue.





## Technical specifications

Model	2-speed cordless drill/driver ASB		2-speed cordless drill/driver ABS	
				
				
<b>Technical features</b>	<ul style="list-style-type: none"> <li>▶ 4-pole dc motor with overload protection.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ All-metal fast-action chuck.</li> <li>▶ 2-speed all-metal gearbox.</li> <li>▶ Compact design.</li> <li>▶ Selectable hammer function.</li> </ul>		<ul style="list-style-type: none"> <li>▶ 4-pole dc motor with overload protection.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ All-metal fast-action chuck.</li> <li>▶ 2-speed all-metal gearbox.</li> <li>▶ Compact design.</li> </ul>	
<b>Battery voltage (capacity)</b>	<b>18 Volts (4 Ah)</b>	<b>14.4 Volts (4 Ah)</b>	<b>18 Volts (4 Ah)</b>	<b>14.4 Volts (4 Ah)</b>
<b>Screw connections / charge*</b>	750	600	750	600
<b>No-load speed 1st / 2nd gear</b>	550/1,600 rpm	450/1,600 rpm	550/1,600 rpm	450/1,600 rpm
<b>Max. torque</b>	531 in/lbs (60 Nm)	486 in/lbs (55 Nm)	531 in/lbs (60 Nm)	486 in/lbs (55 Nm)
<b>Max. screw Ø</b>	¼ x 11-¾ in (8 x 300 mm)	¼ x 7-7/8 in (8 x 200 mm)	¼ x 11-¾ in (8 x 300 mm)	¼ x 7-7/8 in (8 x 200 mm)
<b>Chuck capacity</b>	1/16 - 1/2 in (1.5 - 13 mm)		1/16 - 1/2 in (1.5 - 13 mm)	
<b>Weight</b>	from 4.2 lbs (1.9 kg)		from 4 lbs (1.8 kg)	
<b>Price includes</b>	1 Cordless (hammer) drill/driver, 2 li-ion batteries (4 Ah or 2 Ah), 1 rapid charger ALG 50, 1 plastic tool case.			

\* 3/16 x 1-9/16 in (4 x 40 mm) wood screws in softwood.



### Hammer function

The ASB's selectable hammer function enables fast, precise drilling in stone and masonry.

### 24 Torque settings

24 Settings plus drilling position – guarantee uniform insertion depths and prevent breaking of screw heads.

### Lightweight and easy to use

Fatigue-free work due to the compact, lightweight design. Up to 750 screws can be driven per battery charge.

## FEIN impact wrenches – extremely robust for tough jobs.

FEIN impact wrenches set new standards in the installation and removal of bolts, even in tough jobs. With their extremely compact design and 2,212 in/lbs (250 Nm) of torque, they are perfect for installation work, machinery manufacture, automotive assembly

and sheet metal, roofing and carpentry service work. FEIN cordless impact wrenches impress, due to unrivaled ergonomics, maximum efficiency and reliability.



## Technical specifications

Model	Cordless impact wrench ASCD W2	Cordless impact driver ASCD W4
<p><b>Technical features</b></p>	<ul style="list-style-type: none"> <li>▶ 4-pole dc motor with overload protection.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ Up to 2,212 in/lbs (250 Nm) torque.</li> <li>▶ 1/2" square drive.</li> <li>▶ Compact design.</li> <li>▶ Radial impact function.</li> </ul>	<ul style="list-style-type: none"> <li>▶ 4-pole dc motor with overload protection.</li> <li>▶ FEIN li-ion battery with SafetyCell technology.</li> <li>▶ Up to 1,398 in/lbs (158 Nm) torque.</li> <li>▶ 1/4" Hexagonal mount.</li> <li>▶ Compact design.</li> <li>▶ Radial impact function.</li> </ul>
<p><b>Battery voltage (capacity)</b></p>	<p><b>18 Volts (4 Ah)</b></p>	<p><b>18 Volts (4 Ah)</b></p>
<p><b>No-load speed</b></p>	<p>2,200 rpm</p>	<p>2,200 rpm</p>
<p><b>Impacts</b></p>	<p>3,200/ min.</p>	<p>3,200/ min.</p>
<p><b>Max. torque</b></p>	<p>2,212 in/lbs (250 Nm)</p>	<p>1,398 in/lbs (158 Nm)</p>
<p><b>Max. bolt Ø</b></p>	<p>5/8 in (M 16)</p>	<p>9/16 in (M 14)</p>
<p><b>Weight</b></p>	<p>from 3.3 lbs (1.5 kg)</p>	<p>from 3.3 lbs (1.5 kg)</p>
<p><b>Price includes</b></p>	<p>1 Cordless impact wrench, 2 li-ion batteries (4 Ah or 2 Ah), 1 rapid charger ALG 50, 1 plastic tool case.</p>	

### Compact design



Extremely compact and robust – thanks to lightweight, glass-fiber reinforced casing.

### Torque up to 2,212 in/lbs (250 Nm)



Low recoil installation and removal of bolts with extremely high torque, up to 2,212 in/lbs (250 Nm)

### Demanding screw connections



Minimum effort, even with demanding screw connections in, for example, timber processing.

# The FEIN range of batteries – unique, reliable and extremely durable.

With the new cordless drill/drivers, FEIN offers a comprehensive range of cordless tools. The new FEIN 18 and 14.4 Volt li-ion batteries, which are available with 5 Ah or 2.5 Ah, form the centerpieces of this product range. The special advantage of the 2.5 Ah batteries; they are significantly lighter, smaller and very attractively priced.

All FEIN li-ion batteries feature the new SafetyCell technology. A separate communication link protects the battery and machine from damage through overloading. This makes FEIN battery technology durable and safe.

4-speed cordless drill/driver ASCM 18 QX

4-speed cordless drill/driver ASCM 18

2-speed drill/driver ABS 18

Drill ABOP 6, 10, 13-2

Metal screwdriver ASCS 6.3

Magazine screwdriver ASCT 18 M

Drywall screwdriver ASCT 18

18V

SUPERCUT AFSC 18 QSL

MULTIMASTER AFMM 18 QSL

14.4V

Metal screwdriver ASCS 4.8

Drywall screwdriver ASCT 14

Magazine screwdriver ASCT 14 M

Slitting shears\* ABSS 1.6 E

Sheet metal shears\* ABLK 1.6 E

Nibbler\* ABLK 1.3, 1.6

**LITHIUM-ION**

18V

14.4V

\* 18-volt also available beginning in September 2016.

**3 YEAR  
FEIN PLUS  
GUARANTEE**  
INCL. LI-ION BATTERIES

**FEIN advantages:**

FEIN provides the 3 year FEIN PLUS guarantee on all cordless tools (incl. li-ion batteries and chargers). Simply register your new FEIN power tool at [www.fein.com/warranty](http://www.fein.com/warranty) within 6 weeks of purchase.

**Significantly lighter**



**5 Ah battery**  
**Order number:**  
9 26 04 173 02 0 (18V)  
9 26 04 172 02 0 (14.4V)



**2.5 Ah battery**  
**Order number:**  
9 26 04 171 02 0 (18V)  
9 26 04 170 02 0 (14.4V)

2.5 Ah batteries reduce the weight and size considerably and provide sufficient service life for most applications.

**FEIN SafetyCell technology**



The new SafetyCell technology reliably protects the battery from overload, overheating and deep discharge through a separate communication link.

**FEIN rapid chargers ALG 30 and 50**



**ALG 30**  
**Order number:**  
9 26 04 101 01 0



**ALG 50**  
**Order number:**  
9 26 04 131 01 0

The FEIN rapid chargers have real individual cell monitoring and are suitable for all FEIN li-ion batteries. The gentle charging process considerably extends battery service life.

2-speed hammer drill/driver ASB 18

Impact wrench ASCD 18 W2

Impact driver ASCD 18 W4

Angle drill AWPB

Cordless tapper AGWP

**18 V**

**14.4 V**

2-speed hammer drill/driver ASB 14

2-speed drill/driver ABS 14

4-speed drill/driver ASCM 14

4-speed cordless drill/driver ASCM 14 QX

## Overview of the new FEIN cordless drill/drivers.

### 4-speed cordless drill/driver



		ASCM 18 QX	ASCM 18 QXC	ASCM 14 QX	ASCM 14 QXC	ASCM 18	ASCM 18 C	ASCM 14	ASCM 14 C
<b>Battery voltage</b>	Volts	18	18	14.4	14.4	18	18	14.4	14.4
<b>Capacity</b>	Ah	5	2.5	5	2.5	5	2.5	5	2.5
<b>Motor</b>		brushless	brushless	brushless	brushless	brushless	brushless	brushless	brushless
<b>No-load speeds</b>	rpm	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850	400/800/ 1,950/3,850
<b>Impacts</b>	rpm	-	-	-	-	-	-	-	-
<b>Max. torque</b>	in/lbs Nm	796 90	752 85	752 85	708 80	796 90	752 85	752 85	708 80
<b>Max. screw Ø</b>	in mm	3/8 x 15-3/4 10 x 400	3/8 x 15-3/4 10 x 400	1/4 x 11-3/4 8 x 300	1/4 x 11-3/4 8 x 300	3/8 x 15-3/4 10 x 400	3/8 x 15-3/4 10 x 400	1/4 x 11-3/4 8 x 300	1/4 x 11-3/4 8 x 300
<b>Max. metric bolt Ø</b>		-	-	-	-	-	-	-	-
<b>Max. wood hole-Ø</b>	in mm	2 50	2 50	2 50	2 50	2 50	2 50	2 50	2 50
<b>Max. wood hole Ø</b>	in mm	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13
<b>Max. stone hole Ø</b>	in mm	-	-	-	-	-	-	-	-
<b>Weight</b>	lbs kg	4.4 2.0	3.7 1.7	4.2 1.9	3.7 1.7	4.8 2.2	4.4 2.0	4.6 2.1	4.2 1.9
<b>Order number</b>		7 116 04 61 09 0	7 116 08 61 09 0	7 116 02 61 09 0	7 116 06 61 09 0	7 116 03 61 09 0	7 116 07 61 09 0	7 116 01 61 09 0	7 116 05 61 09 0

### FEIN SELECT+: Tools without battery or charger

<b>Order number</b>	7 116 04 62 00 0	-	7 116 03 62 00 0	-
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2-speed cordless hammer drill/ driver				2-speed cordless drill/driver				Cordless impact wrench			
ASB 18	ASB 18 C	ASB 14	ASB 14 C	ABS 18	ABS 18 C	ABS 14	ABS 14 C	ASCD 18 W2	ASCD 18 W2C	ASCD 18 W4	ASCD 18 W4C
18 4	18 2	14.4 4	14.4 2	18 4	18 2	14.4 4	14.4 2	18 4	18 2	18 4	18 2
4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc	4-pin dc
550/1,600	550/1,600	450/1,600	450/1,600	550/1,600	550/1,600	450/1,600	450/1,600	2,200	2,200	2,200	2,200
9,350/ 29,000	9,350/ 29,000	9,350/ 27,200	9,350/ 27,200	-	-	-	-	3,200	3,200	3,200	3,200
531 60	486 55	486 55	442 50	531 60	486 55	486 55	442 50	2,212 250	2,212 250	1,398 158	1,398 158
1/4 x 11-3/4 8 x 300	1/4 x 11-3/4 8 x 300	1/4 x 7-7/8 8 x 200	1/4 x 7-7/8 8 x 200	1/4 x 11-3/4 8 x 300	1/4 x 11-3/4 8 x 300	1/4 x 7-7/8 8 x 200	1/4 x 7-7/8 8 x 200	3/8 10	3/8 10	3/8 8	3/8 8
-	-	-	-	-	-	-	-	5/8	5/8	9/16	9/16
2 50	2 50	1-1/2 35	1-1/2 35	2 50	2 50	1-1/2 35	1-1/2 35	-	-	-	-
1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	1/2 13	-	-	-	-
9/16 14	9/16 14	1/2 13	1/2 13	-	-	-	-	-	-	-	-
4.8 2.2	4.4 2.0	4.6 2.1	4.2 1.9	4.6 2.1	4.0 1.8	4.4 2.0	4.0 1.8	4.0 1.8	3.3 1.5	4. 1.8	3.3 1.5
7 104 06 61 09 0	7 104 06 62 09 0	7 104 05 61 09 0	7 104 05 62 09 0	7 113 19 61 09 0	7 113 19 62 09 0	7 113 18 61 09 0	7 113 18 62 09 0	7 115 01 61 09 0	7 115 01 62 09 0	7 115 02 61 09 0	7 115 02 62 09 0
7 104 06 63 00 0		-		7 113 19 63 00 0		-		7 115 01 63 00 0		7 115 02 63 00 0	

FEIN. Unverwüstliche  
Elektrowerkzeuge.



**For everyone who wants higher performance:  
the double pack for professionals.**

**FEIN Professional Pack  
AFMM 18 QSL + ASB 18**



**Price includes:**

- 1 Cordless MULTIMASTER AFMM 18 QSL
- 1 Cordless hammer drill/driver ASB 18
- 2 Li-ion batteries, 18 Volts / 2.5 Ah
- 1 Rapid charger ALG 50
- 1 Plastic tool case

**Order number:** 7 190 05 63 09 0

**FEIN Professional Combo  
ABS 18 C + ASCD 18 W4C**



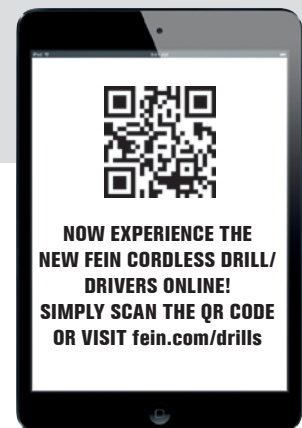
**Price includes:**

- 1 Cordless drill/driver ABS 18 C
- 1 Cordless impact wrench ASCD 18 W4C
- 2 Li-ion batteries, 18 Volt / 2 Ah
- 1 Rapid charger ALG 50
- 1 Plastic tool case

**Order number:**

7 190 06 61 09 0

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



**DE:** C. & E. Fein GmbH, Tel. 07173 183-0, [www.fein.com](http://www.fein.com)

**US:** FEIN Power Tools Inc., Phone 1-412-922-8886, Toll Free: 1-800-441-9878, [www.feinus.com](http://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](http://www.fein.ca)

[www.fein.com/drills](http://www.fein.com/drills)



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