

► METAL

**FEIN. Unverwüstliche
Elektrowerkzeuge.**



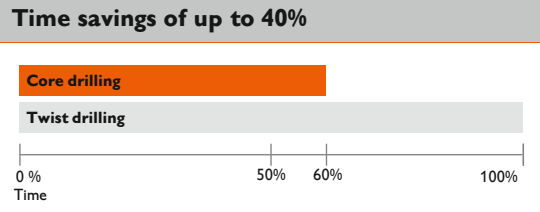
Faster core drilling. In metal, in every situation.

Slugger JMU and FEIN KBH core drills – powerful, versatile machines for efficient metal drilling.



Get to the core of the matter.

More precise, more efficient and faster than ever before: FEIN core drills deliver the finest drilling results in the shortest time. The compact, powerful and versatile FEIN core drills reduce effort to a minimum, because no pre-drilling or retooling is necessary, resulting in faster work progress. Feed pressure is also significantly reduced, because FEIN core drills work with a smaller cutting area. And that saves time, energy and expense.



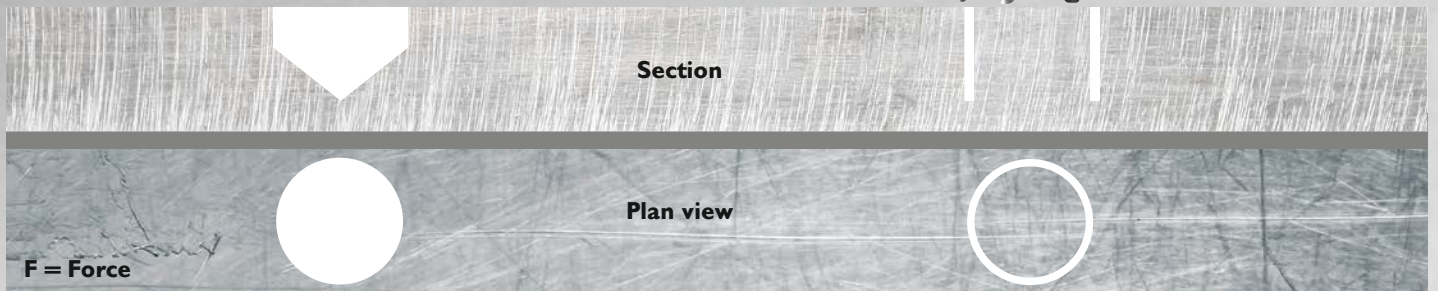
Twist drilling

- ▶ Centering
- ▶ Pre-drilling
- ▶ Tool change
- ▶ Finish drilling



Core drilling

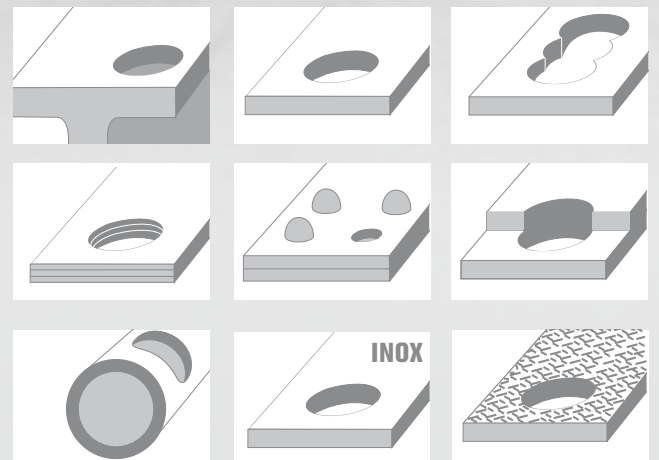
- ▶ Core drilling handles all of this in one step.



Efficient means doing a lot with a little and that describes the FEIN core drills. In contrast to conventional twist drilling, core drilling only removes material from a narrow ring instead of the entire hole surface. This allows the hole to be made with significantly less feed pressure and effort – and in much less time. Core drilling in metal is carried out in a single operation. That makes core drilling an especially economical drilling method.

Diverse core drilling applications

Core drilling technology is extremely versatile. From drilling in steel beams, overlapping holes or drilling multilayer materials, to offset holes; anything is possible.





Slugger JMU 137 product line:

The compact, powerful, all-rounder with the long stroke.

Compact, long stroke, universal magnetic core drills with forward / reverse rotation and maximum functionality for flexible operation.

FEIN KBH 25 product line:

Efficient core drilling in metal. Fast, flexible and hand-held.

Flexible, hand-held metal core drilling system with 6-times faster work progress than twist drilling.

One core drill, many application possibilities

In addition to core drilling, the Slugger JMU 137 and FEIN KBH 25 cover even more areas of application – twist drilling, tapping, countersinking and reaming are all possible.



Core drilling



Twist drilling



Tapping



Countersinking



Reaming





Maximum performance. To go.

The Slugger magnetic core drills in the JMU 137 product line are the successors to the KBM 32 Q. With a machine weight of 23 lbs (10.6 kg), they are lighter than almost any other core drill. The low weight, compact machine design and narrow magnet with 10,000 N of holding force enable mobile work on the construction site – even in vertical or overhead operation. At the same time, the Slugger JMU 137 machines are extremely powerful and durable and offer a stroke length of 10 ¼ in (260 mm) for use of the largest drilling bits.

Your benefits:

- ▶ Unique versatility, performance and drilling speed.
- ▶ Extremely wear resistant, durable machine design.
- ▶ Outstanding flexibility and ergonomics due to lightweight construction.
- ▶ Double drill motor guide for maximum stroke.

Durable: Protective sleeve

Centrally positioned, pivoting sleeve protects motor cable. Reduces the risk of entanglement on the workpiece.

Powerful: FEIN high performance motor

Very powerful FEIN 1,100 W high-power motor with tachometer electronics for high speed stability and economical operation.

Practical: Long 10 ¼ in (260 mm) stroke

Double drill motor guide is ideal for use of the largest drilling bits, continuous, tool-free adjustment using clamping levers.



Intuitive: the operating concept

The self-explanatory operating concept is directly in the operator's field of vision – simple, practical, and error-free. Forward / reverse rotation and electronic speed adjustment for universal machine operation.

Helpful: additional magnet switch

Integrated into the drill stand for easy alignment of machine and workpiece, even vertically and overhead.



Very safe: Tip sensor

Safe operation – tip sensor stops the machine immediately if it slips or tips.



Slugger JMU 137 QW

Compact, long stroke, 1-speed universal magnetic core drill with forward / reverse rotation and maximum functionality for flexible operation at the construction site.

- ▶ The perfect assembly machine. Suitable for use in restricted work situations due to extremely compact, narrow machine design.
- ▶ Ideal for all core drilling work and occasional twist drilling with drill chuck.

Slugger JMU 137-2 QW

Compact, long-stroke, 2-speed universal magnetic core drill with forward / reverse rotation and high speed for efficient twist drilling at the construction site.

- ▶ Ideal for all core and twist drilling work due to fast second speed with up to 1,600 rpm.
- ▶ Extra-narrow magnet is only 2¾ in (70 mm) wide for work alongside the beam web.

Slugger JMU 137 MQW




Compact, long-stroke, 1-speed universal magnetic core drill with forward / reverse rotation, MT2 tool mount and maximum functionality for flexible operation on the construction site.

- ▶ Ideal for all core and twist drilling work with MT2 arbor.





Technical specifications

Model		JMU 137 QW	JMU 137-2 QW	JMU 137 MQW
				
Core drilling		▲▲	▲▲	▲▲
Twist drilling with chuck		▲	▲▲	▲
Twist drilling with MT mount		–	–	▲▲
Tapping		▲▲	▲▲	▲▲
Countersinking		▲▲	▲▲	▲▲
Reaming		▲▲	▲▲	▲▲
Carbide core bit max. dia.	in (mm)	1 3/8 (35)	1 3/8 (35)	1 3/8 (35)
HSS core bit max. dia.	in (mm)	1 3/8 (35)	1 3/8 (35)	1 3/8 (35)
Core drilling depth max.	in (mm)	2 (50)	2 (50)	2 (50) / 3 (75) *
Twist drill max. Ø	in (mm)	5/8 (16)	5/8 (16)	1 1/16 (18)
Tap size max.	in	5/8	5/8	5/8
Countersinking max. dia.	in (mm)	1 1/4 (31)	1 1/4 (31)	1 1/4 (31)
Reaming max. dia.	in	5/8 (16)	5/8 (16)	1 1/16 (18)
Power consumption	W	1,100	1,100	1,100
Power output	W	550	550	550
Load speed	1st gear	rpm	130 - 520	130 - 520
	2nd gear	rpm	–	400 - 1,600
Core bit mount (tool-free)		3/4 in Weldon	3/4 in Weldon	3/4 in Weldon
Tool mount	MT	–	–	2
Stroke / stroke range	in (mm)	5 5/16 / 10 1/4 (135 / 260)	5 5/16 / 10 1/4 (135 / 260)	5 5/16 / 10 1/4 (135 / 260)
Magnet holding force	lbs (N)	2,248 (10,000)	2,136 (9,500)	2,248 (10,000)
Magnetic base dimensions	in (mm)	6 7/8 x 3 1/8 x 1 5/16 (175 x 80 x 34)	7 5/16 x 2 3/4 x 1 1/16 (186 x 70 x 40)	6 7/8 x 3 1/8 x 1 5/16 (175 x 80 x 34)
Cable with plug	ft (m)	13 (4)	13 (4)	13 (4)
Weight (EPTA)	lbs (kg)	23 (10.6)	24 (11)	24 (11)
Price includes		1 magnetic core drill, 1 coolant tank, 1 safety strap, 1 chip hook, 1 centering pin 4 1/8 in (105 mm), 1 touch guard, 3-jaw chuck (JMU 137-2 QW only), 1 drift (JMU 137 MQW only), 1 carrying case		
Order number		72705461120	72705861120	72705661120

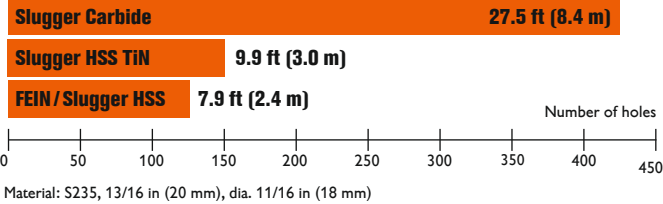
▲ good ▲▲ very good * optional with accessory

Tough jobs demand tough tools.

No matter the material, application or diameter – the extensive FEIN core bit range has the right accessory for your job.

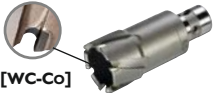















Comparison of FEIN core bit service life



Carbide: Durable, with high performance in all metals.
HSS TiN: Coated, perfect for steel and stainless steel.
HSS: Shock and impact resistant in steelwork and on the construction site.

Overview of the FEIN core bit product line

	Slugger Carbide	Slugger HSS TiN	FEIN/Slugger HSS
	 Carbide/TCT [WC-Co] 1,450 HV	 HSS + TiN 64 HRC (800 HV) TiN (3 µm): 1,550 HV	 HSS 64 HRC (800 HV)
	 3/4 in Weldon	 3/4 in Weldon	 3/4 in Weldon
	1 in (25 mm) 1 1/8 in (35 mm) 2 in (50 mm) 3 in (75 mm)	Ø 1/2 - 2 3/8 in (12 - 60 mm) Ø 1/2 - 2 3/8 in (12 - 60 mm) Ø 1/2 - 2 3/8 in (12 - 65 mm) Ø 1 1/16 - 2 9/16 in (12 - 65 mm)	Ø 1/2 - 2 3/8 in (12 - 60 mm) Ø 1/2 - 2 3/8 in (12 - 60 mm) Ø 1/2 - 2 3/8 in (12 - 60 mm) Ø 3/4 - 2 3/8 in (19 - 60 mm)
Material			
 Al	< 10% Si < 600 N/mm ²	–	▲▲
	> 10% Si < 600 N/mm ²	–	▲
 METAL	< 500 N/mm ²	▲▲▲	▲▲▲
	< 750 N/mm ²	▲▲▲	▲▲
	< 900 N/mm ²	▲▲▲	▲
	< 1,100 N/mm ²	▲▲	–
 INOX	< 700 N/mm ²	▲▲	▲
	> 700 N/mm ²	▲▲	–
 Gn. Gas	< 300 N/mm ²	▲▲▲	▲
 Cu Ni Si Zn	< 500 N/mm ²	▲▲	–
 Heavy Duty	Hard-to-cut metals	▲▲	–
 RAIL	Rails	▲	–
Surfaces			
	Flat surfaces	▲▲▲	▲▲▲
	Textured, offset surfaces	▲	▲▲
	Pipes / round surfaces	▲▲	▲▲
Special applications			
	Dry drilling	▲▲▲	▲
	Multi-layer drilling	▲	▲
	Overlapping holes	▲▲	▲▲

▲ good ▲▲ very good ▲▲▲ optimal



Slugger Carbide annular cutters - Weldon 3/4 in shank

Maximum service life and outstanding cutting performance.

Dia in	Decimal Equiv.	DOC 1 in Part Number	DOC 2 in Part Number	DOC 3 in Part Number
1/2	0.5000	6 31 27 560 11 0	6 31 27 506 11 0	
9/16	0.5625	6 31 27 561 11 0	6 31 27 507 11 0	
5/8	0.6250	6 31 27 562 11 0	6 31 27 508 11 0	
11/16	0.6875	6 31 27 563 11 0	6 31 27 509 11 0	
3/4	0.7500	6 31 27 564 11 0	6 31 27 510 11 0	6 31 27 614 11 0
13/16	0.8125	6 31 27 565 11 0	6 31 27 511 11 0	6 31 27 615 11 0
7/8	0.8750	6 31 27 566 11 0	6 31 27 512 11 0	6 31 27 616 11 0
15/16	0.9375	6 31 27 567 11 0	6 31 27 513 11 0	6 31 27 617 11 0
1	1.0000	6 31 27 568 11 0	6 31 27 514 11 0	6 31 27 618 11 0
1-1/16	1.0620	6 31 34 267 03 0	6 31 27 515 11 0	6 31 34 268 03 0
1-1/8	1.1250	6 31 27 570 11 0	6 31 27 516 11 0	6 31 27 620 11 0
1-3/16	1.1870	6 31 27 571 11 0	6 31 27 517 11 0	6 31 27 621 11 0
1-1/4	1.2500	6 31 27 572 11 0	6 31 27 518 11 0	6 31 27 622 11 0
1-5/16	1.3120	6 31 27 573 11 0	6 31 27 519 11 0	6 31 27 623 11 0
1-3/8	1.3750	6 31 27 574 11 0	6 31 27 520 11 0	6 31 27 624 11 0



Slugger Premium HSS annular cutters - Weldon 3/4 in shank

Maximum performance and productivity.

Dia	Dec. Equiv.	DOC 1 in Part Number	DOC 2 in Part Number	DOC 3 in Part Number
7/16"	0.4375	6 31 34 111 00 1	6 31 34 110 00 2	
1/2"	0.5000	6 31 34 127 00 1	6 31 34 127 00 2	
13mm	0.5118	6 31 34 129 00 1	6 31 34 129 00 2	
14mm	0.5512	6 31 34 140 00 1	6 31 34 139 00 2	
9/16"	0.5625	6 31 34 142 00 1	6 31 34 142 00 2	
15mm	0.5906	6 31 34 150 00 1	6 31 34 149 00 2	
5/8"	0.6250	6 31 34 158 00 1	6 31 34 158 00 2	
16mm	0.6299	6 31 34 159 00 1	6 31 34 159 00 2	
17mm	0.6693	6 31 34 170 00 1	6 31 34 169 00 2	
11/16"	0.6875	6 31 34 174 00 1	6 31 34 174 00 2	
18mm	0.7087	6 31 34 180 00 1	6 31 34 179 00 2	
19mm	0.7480	6 31 34 189 00 1	6 31 34 189 00 2	
3/4"	0.7500	6 31 34 190 00 1	6 31 34 190 00 2	6 31 34 190 00 3
20mm	0.7874	6 31 34 199 00 1	6 31 34 199 00 2	6 31 34 199 00 3
13/16"	0.8125	6 31 34 206 00 1	6 31 34 206 00 2	6 31 34 206 00 3
21mm	0.8268	6 31 34 210 00 1	6 31 34 209 00 2	6 31 34 210 00 3
22mm	0.8661	6 31 34 219 00 1	6 31 34 219 00 2	6 31 34 219 00 3
7/8"	0.8750	6 31 34 222 00 1	6 31 34 222 00 2	6 31 34 222 00 3
23mm	0.9055	6 31 34 229 00 1	6 31 34 229 00 2	6 31 34 229 00 3
15/16"	0.9375	6 31 34 238 00 1	6 31 34 237 00 2	6 31 34 238 00 3
24mm	0.9449	6 31 34 240 00 1	6 31 34 239 00 2	6 31 34 240 00 3
25mm	0.9843	6 31 34 250 00 1	6 31 34 249 00 2	6 31 34 250 00 3
1"	1.0000	6 31 34 254 00 1	6 31 34 254 00 2	6 31 34 254 00 3
26mm	1.0230	6 31 34 259 00 1	6 31 34 259 00 2	6 31 34 259 00 3
1-1/16"	1.0620	6 31 34 269 00 1	6 31 34 269 00 2	6 31 34 269 00 3
27mm	1.0630	6 31 34 270 00 1	6 31 34 270 00 2	6 31 34 270 00 3
28mm	1.1020	6 31 34 279 00 1	6 31 34 279 00 2	6 31 34 279 00 3
1-1/8"	1.1250	6 31 34 285 00 1	6 31 34 285 00 2	6 31 34 285 00 3
29mm	1.1410	6 31 34 289 00 1	6 31 34 289 00 2	6 31 34 289 00 3
30mm	1.1810	6 31 34 299 00 1	6 31 34 299 00 2	6 31 34 299 00 3
1-3/16"	1.1870	6 31 34 301 00 1	6 31 34 301 00 2	6 31 34 301 00 3
31mm	1.2200	6 31 34 309 00 1	6 31 34 310 00 2	6 31 34 309 00 3
1-1/4"	1.2500	6 31 34 317 00 1	6 31 34 317 00 2	6 31 34 317 00 3
32mm	1.2590	6 31 34 319 00 1	6 31 34 319 00 2	6 31 34 319 00 3
33mm	1.2990	6 31 34 329 00 1	6 31 34 329 00 2	6 31 34 329 00 3
1-5/16"	1.3120	6 31 34 333 00 1	6 31 34 333 00 2	6 31 34 333 00 3
34mm	1.3380	6 31 34 339 00 1	6 31 34 339 00 2	6 31 34 339 00 3
1-3/8"	1.3750	6 31 34 349 00 1	6 31 34 349 00 2	6 31 34 349 00 3
35mm	1.3770	6 31 34 350 00 1	6 31 34 350 00 2	6 31 34 350 00 3



FEIN Standard HSS annular cutters - Weldon 3/4 in shank

Competitively priced, low cost per hole.

Dia in	Decimal Equiv.	DOC 1 in Part Number	DOC 2 in Part Number
7/16	0.4375	6 31 34 111 60 1	6 31 34 111 60 2
1/2	0.5000	6 31 34 127 60 1	6 31 34 127 60 2
9/16	0.5625	6 31 34 143 60 1	6 31 34 143 60 2
5/8	0.6250	6 31 34 159 60 1	6 31 34 159 60 2
11/16	0.6875	6 31 34 175 60 1	6 31 34 175 60 2
3/4	0.7500	6 31 34 191 60 1	6 31 34 191 60 2
13/16	0.8125	6 31 34 206 60 1	6 31 34 206 60 2
7/8	0.8750	6 31 34 220 60 1	6 31 34 220 60 2
15/16	0.9375	6 31 34 238 60 1	6 31 34 238 60 2
1	1.0000	6 31 34 254 60 1	6 31 34 254 60 2
1-1/16	1.0620	6 31 34 269 60 1	6 31 34 269 60 2
1-1/8	1.1250	6 31 34 286 60 1	6 31 34 286 60 2
1-3/16	1.1870	6 31 34 301 60 1	6 31 34 301 60 2
1-1/4	1.2500	6 31 34 318 60 1	6 31 34 318 60 2
1-5/16	1.3120	6 31 34 333 60 1	6 31 34 333 60 2
1-3/8	1.3750	6 31 34 349 60 1	6 31 34 349 60 2

See page 9 for FEIN Standard cutter sets



Slugger TiN Cutters - Weldon 3/4 in shank

TiN coating for improved service life and greater heat resistance.

Dia in	Decimal Equiv.	DOC 1 in Part Number	DOC 2 in Part Number
7/16	0.4375	6 31 34 111 11 3	6 31 34 110 10 6
1/2	0.5000	6 31 34 127 10 8	6 31 34 127 11 3
9/16	0.5625	6 31 34 142 11 5	6 31 34 142 10 7
5/8	0.6250	6 31 34 158 10 8	6 31 34 158 11 4
11/16	0.6875	6 31 34 174 12 0	6 31 34 174 10 5
3/4	0.7500	6 31 34 190 11 1	6 31 34 190 11 7
13/16	0.8125	6 31 34 206 11 5	6 31 34 206 12 0
7/8	0.8750	6 31 34 222 11 0	6 31 34 222 11 7
15/16	0.9375	6 31 34 238 11 7	6 31 34 237 10 4
1	1.0000	6 31 34 254 11 1	6 31 34 254 11 7
1-1/16	1.0620	6 31 34 269 11 1	6 31 34 269 11 7
1-1/8	1.1250	6 31 34 285 10 9	6 31 34 285 11 4
1-3/16	1.1870	6 31 34 301 11 0	6 31 34 301 11 4
1-1/4	1.2500	6 31 34 317 11 3	6 31 34 317 11 9
1-5/16	1.3120	6 31 34 333 10 5	6 31 34 333 11 1
1-3/8	1.3750	6 31 34 349 10 9	6 31 34 349 11 5



Slugger Truck Frame Cutters - ID Cut, TiN coated

ID sharpened for stack drilling.

Dia in	Dec. Equiv.	DOC 1 in Part Number	DOC 2 in Part Number
7/16	0.4375	6 31 34 111 11 1	6 31 34 110 10 4
1/2	0.5000	6 31 34 127 10 6	6 31 34 127 11 1
9/16	0.5625	6 31 34 142 11 3	6 31 34 142 10 5
5/8	0.6250	6 31 34 158 10 6	6 31 34 158 11 2
11/16	0.6875	6 31 34 174 11 9	6 31 34 174 10 3
3/4	0.7500	6 31 34 190 10 9	6 31 34 190 11 5
13/16	0.8125	6 31 34 206 11 3	6 31 34 206 11 8
7/8	0.8750	6 31 34 222 10 7	6 31 34 222 11 4
15/16	0.9375	6 31 34 238 11 5	6 31 34 238 12 4
1	1.0000	6 31 34 254 10 8	6 31 34 254 11 4
1-1/16	1.0620	6 31 34 269 10 8	6 31 34 269 11 5
1-3/16	1.1870	6 31 34 301 10 9	6 31 34 301 11 3
1-1/4	1.2500	6 31 34 317 11 0	6 31 34 317 11 7
1-5/16	1.3120		6 31 34 333 10 8

Pilot pins / Cutter sets

For Slugger & FEIN HSS Weldon Cutters

For	Order number
1 in depth of cut, dia. 1/2 in and smaller (incl. 13 & 14 mm)	6 31 34 998 30 5
2 in depth of cut, dia. 1/2 in and smaller (incl. 13 & 14 mm)	6 31 34 998 31 5
1 in depth of cut, dia. 9/16 in and larger	6 31 34 998 00 3
2 in depth of cut, dia. 9/16 in and larger	6 31 34 998 31 0
3 in depth of cut	6 31 34 998 00 5

For Slugger Carbide-Tipped Cutters

For	Order number
1 in depth of cut	6 31 34 998 10 0
2 in depth of cut	6 31 34 998 10 2
3 in depth of cut	6 31 34 998 10 8

FEIN Standard HSS Annular Cutter Sets

Consisting of 6 cutters $\frac{3}{16}$, $\frac{5}{16}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $1 \frac{1}{16}$ in diameter with Weldon $\frac{3}{4}$ in shank, and 2 pilot pins, in a plastic carrying case.

DOC	Order number
1 in	6 31 34 999 09 1
2 in	6 31 34 999 09 2

Drill chuck adapters/Mounting shafts



Adaptor with $\frac{3}{4}$ in Weldon mount
B 16 drive.

Order number	6 39 01 061 00 0
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$\frac{3}{4}$ in Weldon mounting shaft
With internal coolant feed.

Taper	Drill Ø	Cutting depth	Order number
MT 2	$\frac{1}{2}$ - $1\frac{3}{8}$ in (12 - 35 mm)	3 in (75 mm)	6 39 01 064 02 0



Key-type drill chuck $\frac{5}{8}$ in
Drill chuck holder B 16

Chuck opening	Weight	Order number
$\frac{1}{16}$ - $\frac{5}{8}$ in (1.5 - 16 mm)	1.4 lbs (0.64 kg)	6 32 02 037 01 0

Tapping



Quick change tapping chuck with $\frac{3}{4}$ in Weldon fitting
Only usable on magnetic core drills with reverse rotation. Size 2, with $\frac{3}{4}$ in Weldon fitting, for taps, in combination with tapping inserts with or without safety clutch, from $\frac{5}{16}$ - $\frac{5}{8}$ in (M6 - M20).

Order number	9 26 02 089 01 0
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Hand-held core drilling in metal. Incredibly easy.

Power to go: the FEIN KBH 25 is the only hand-held metal core drilling system. The ideal relationship of a high-performance core drill, optimum speed, patent-pending drilling technology, and carbide bits with special tooth geometry guarantees enormous time and money savings. Compared to twist drills, the FEIN KBH 25 is up to 6 times faster and, compared to the carbide hole saws established in the market, up to 3 times faster.

Your benefits:

- ▶ Powerful for high cutting speed.
- ▶ Unmatched cost-effectiveness due to innovative drilling technology.
- ▶ Maximum flexibility and versatility.
- ▶ Optimal functionality due to low feed pressure.



FEIN KBH 25 S

Hand-held 1-speed metal core-drilling system for fast, flexible core bit use.



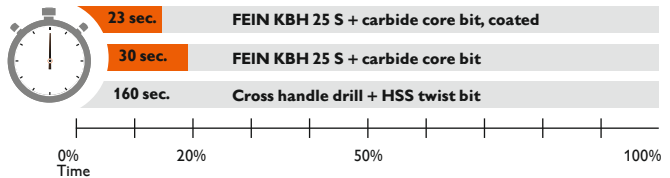
FEIN KBH 25-2 U

Hand-held 2-speed metal core drilling system for universal core and twist bit use.

- ▶ Ideal for core drilling in metal and hole sawing in sheet metal

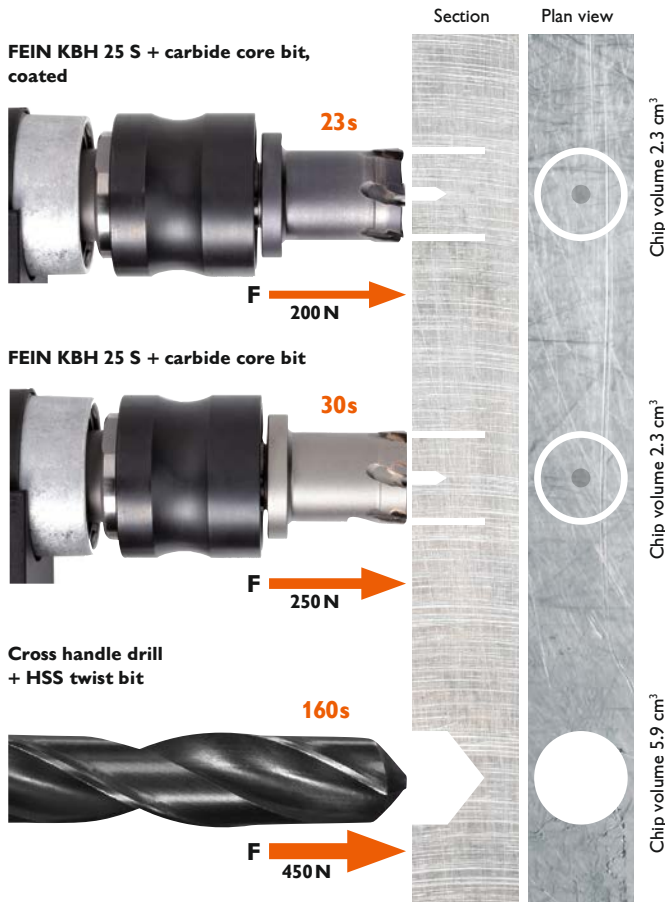
- ▶ Ideal for universal use due to manually switched second gear for core drilling and metal, hole sawing in sheet metal, twist drilling, tapping and countersinking.

Up to 6 times faster than twist drilling



Faster work due to innovative drilling technology

3/16 in (5 mm) deep pilot hole drilled at 1,600 rpm followed by disengagement of the pilot bit. The speed is automatically switches to 520 rpm for the optimal cutting speed for carbide core bits. The carbide core bit finishes drilling the desired hole diameter with minimum effort and specially developed tooth geometry.



Test conditions: Material: S235, material thickness: 10 mm, hole dia.: 18 mm, number of holes: 6





NEW

Flexible: Forward / reverse rotation and speed adjustment

Infinitely variable speed setting for matching speed to specific work processes. Forward / reverse rotation for universal operation.

Tool-free: FEIN QuickIN PLUS

Changes in seconds. One click and the tool is perfectly seated.

Powerful: FEIN high-performance motor

Very powerful FEIN 1,200 W high-performance motor with tacho electronics for high speed stability and economical operation.

Fast: Innovative drilling technology

High cutting speed and short drilling times with significantly reduced effort due to innovative drilling technology and special core bit tooth geometry.

Very safe: Slip clutch



Protects the user when overloaded by disengaging the driver and driven sides.



Experience the FEIN KBH 25 live!
www.fein-kbh25.com



Technical specifications

Model		KBH 25 S	KBH 25-2 U
			
Core drilling in metal		▲▲	▲▲
Hole sawing in sheet metal		▲▲	▲▲
Twist drilling		-	▲▲
Tapping		-	▲▲
Countersinking		-	▲▲
Hole dia. steel / stainless steel carbide core bit	in (mm)	1 (25)	1 (25)
Hole dia. light metal carbide core bit	in (mm)	1 ³ / ₁₆ (30)	1 ³ / ₁₆ (30)
Carbide core bit max. drilling depth	in (mm)	1 ³ / ₁₆ (20)	1 ³ / ₁₆ (20)
Hole dia. steel / stainless steel carbide hole saw	in (mm)	3 ¹ / ₈ (80)	3 ¹ / ₈ (80)
Carbide hole saw max. drilling depth	in (mm)	3 ¹ / ₁₆ (4)	3 ¹ / ₁₆ (4)
Hole dia. steel / stainless steel twist bit	in (mm)	-	5 ⁸ / ₁₆ (16)
Tap size max.	in	-	1/2
Countersinking max. dia.	in (mm)	-	1 ¹ / ₄ (31)
Power consumption	W	1,200	1,200
Power output	W	680	680
	Pilot hole drilling	rpm	0-1,600*
Load speed	1st speed (core drilling)	rpm	0-520*
	2nd speed (twist drilling)	rpm	-
	2nd speed (twist drilling)	rpm	0-1,600
Torque at full power / standstill torque	Nm	50**	50**
Collar dia.	in (mm)	1 ¹¹ / ₁₆ (43)	1 ¹¹ / ₁₆ (43)
Core bit mount (tool-free)		FEIN QuickIN PLUS	FEIN QuickIN PLUS
Cable with plug	ft (m)	13 (4)	13 (4)
Corner clearance	in (mm)	1 ¹ / ₁₆ (27)	1 ¹ / ₁₆ (27)
Weight according to EPTA	lbs (kg)	7 ¹ / ₄ (3.3)	7 ¹ / ₄ (3.3)
** Torque slip clutch		■	■
Forward / reverse rotation		■	■
Electronic start		■	■
Speed selection		■	■
Speed control		■	■
Price includes		1 metal core drill, 1 pilot bit, 1 rapid action chuck (only KBH 25-2 U), 1 accessory handle, 1 cutting spray, 1 plastic carrying case	
Order number		72710461090	72710361090

Carbide core bits

Carbide core bits with QuickIN PLUS mount
Drilling depth $\frac{3}{4}$ in (20 mm).



Bore dia. in	Order number
$\frac{9}{16}$	6 31 30 200 01 0
$\frac{5}{8}$	6 31 30 201 01 0
$\frac{11}{16}$	6 31 30 202 01 0
$\frac{3}{4}$	6 31 30 203 01 0
$\frac{13}{16}$	6 31 30 204 01 0
$\frac{7}{8}$	6 31 30 205 01 0
$\frac{15}{16}$	6 31 30 206 01 0
1	6 31 30 207 01 0
$1 \frac{1}{16}$	6 31 30 208 01 0
$1 \frac{1}{8}$	6 31 30 209 01 0
$1 \frac{3}{16}$	6 31 30 210 01 0

Carbide core bits titanium aluminum nitride coated

Carbide core bits, TiAlN coated, with QuickIN PLUS mount
Drilling depth $\frac{3}{4}$ in (20 mm).



Bore dia. in	Order number
$\frac{9}{16}$	6 31 30 300 01 0
$\frac{5}{8}$	6 31 30 301 01 0
$\frac{11}{16}$	6 31 30 302 01 0
$\frac{3}{4}$	6 31 30 303 01 0
$\frac{13}{16}$	6 31 30 304 01 0
$\frac{7}{8}$	6 31 30 305 01 0
$\frac{15}{16}$	6 31 30 306 01 0
1	6 31 30 307 01 0
$1 \frac{1}{16}$	6 31 30 308 01 0
$1 \frac{1}{8}$	6 31 30 309 01 0
$1 \frac{3}{16}$	6 31 30 310 01 0

Carbide hole saws

Carbide hole saws with QuickIN-PLUS mount
Maximum drilling depth $\frac{5}{32}$ in (4 mm).



Bore dia. in	Order number
$\frac{9}{16}$	6 31 31 200 01 0
$\frac{5}{8}$	6 31 31 201 01 0
$\frac{11}{16}$	6 31 31 202 01 0
$\frac{3}{4}$	6 31 31 203 01 0
$\frac{13}{16}$	6 31 31 204 01 0
$\frac{7}{8}$	6 31 31 205 01 0
$\frac{15}{16}$	6 31 31 206 01 0
1	6 31 31 207 01 0
$1 \frac{1}{16}$	6 31 31 208 01 0
$1 \frac{1}{8}$	6 31 31 209 01 0
$1 \frac{3}{16}$	6 31 31 210 01 0
$1 \frac{1}{4}$	6 31 31 211 01 0
$1 \frac{5}{16}$	6 31 31 212 01 0
$1 \frac{3}{8}$	6 31 31 213 01 0
$1 \frac{7}{16}$	6 31 31 214 01 0
$1 \frac{1}{2}$	6 31 31 215 01 0
$1 \frac{9}{16}$	6 31 31 216 01 0
$1 \frac{5}{8}$	6 31 31 217 01 0
$1 \frac{11}{16}$	6 31 31 218 01 0
$1 \frac{3}{4}$	6 31 31 219 01 0
$1 \frac{13}{16}$	6 31 31 220 01 0
$1 \frac{7}{8}$	6 31 31 221 01 0
$1 \frac{15}{16}$	6 31 31 222 01 0
2	6 31 31 223 01 0
$2 \frac{1}{16}$	6 31 31 224 01 0
$2 \frac{1}{8}$	6 31 31 225 01 0
$2 \frac{3}{16}$	6 31 31 226 01 0
$2 \frac{1}{4}$	6 31 31 227 01 0
$2 \frac{3}{8}$	6 31 31 228 01 0
$2 \frac{1}{2}$	6 31 31 229 01 0
$2 \frac{9}{16}$	6 31 31 230 01 0
$2 \frac{11}{16}$	6 31 31 231 01 0
$2 \frac{3}{4}$	6 31 31 232 01 0
$2 \frac{7}{8}$	6 31 31 233 01 0
$3 \frac{1}{8}$	6 31 31 234 01 0

Carbide hole saws for pipes

Carbide hole saw with QuickIN-PLUS mount
Maximum drilling depth $\frac{5}{32}$ in (4 mm).



Bore dia. in	Order number
$\frac{7}{8}$	6 31 31 605 01 0
$\frac{15}{16}$	6 31 31 606 01 0
1	6 31 31 607 01 0
$1 \frac{1}{16}$	6 31 31 608 01 0
$1 \frac{1}{8}$	6 31 31 609 01 0
$1 \frac{3}{16}$	6 31 31 610 01 0
$1 \frac{1}{4}$	6 31 31 611 01 0
$1 \frac{5}{16}$	6 31 31 612 01 0
$1 \frac{3}{8}$	6 31 31 613 01 0
$1 \frac{7}{16}$	6 31 31 614 01 0
$1 \frac{1}{2}$	6 31 31 615 01 0
$1 \frac{9}{16}$	6 31 31 616 01 0
$1 \frac{5}{8}$	6 31 31 617 01 0
$1 \frac{11}{16}$	6 31 31 618 01 0
$1 \frac{3}{4}$	6 31 31 619 01 0
$1 \frac{13}{16}$	6 31 31 620 01 0
$1 \frac{7}{8}$	6 31 31 621 01 0
$1 \frac{15}{16}$	6 31 31 622 01 0
2	6 31 31 623 01 0
$2 \frac{1}{16}$	6 31 31 624 01 0
$2 \frac{1}{8}$	6 31 31 625 01 0
$2 \frac{3}{16}$	6 31 31 626 01 0
$2 \frac{1}{4}$	6 31 31 627 01 0
$2 \frac{3}{8}$	6 31 31 628 01 0
$2 \frac{1}{2}$	6 31 31 629 01 0
$2 \frac{9}{16}$	6 31 31 630 01 0
$2 \frac{11}{16}$	6 31 31 631 01 0

Pilot pin



Pack	Order number
1	6 31 14 038 01 0
5	6 31 14 038 02 0

Additional accessories

Chip guard

Prevents contact with hot and sharp-edged chips.

Order number	3 21 74 013 01 0
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Cutting spray

10 oz (300 ml) pump spray, for long tool service life, optimum cutting and chipping performance and improved chip flow.

Order number	3 21 32 031 00 0
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Extension

For use on narrow, deep, or stepped surfaces. QuickIN PLUS-mount, length 4 in (100 mm), including adaptor for pilot bit.

Order number	6 31 06 017 01 0
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Adaptor QuickIN Plus to B 16

Order number	6 39 01 047 00 0
--------------	------------------

Keyed jaw chuck $\frac{1}{2}$ in

B 16 chuck mount
 $\frac{1}{16}$ - $\frac{1}{2}$ in (1.5-13 mm) capacity

Order number	6 32 02 030 01 5
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Rapid action chuck $\frac{1}{2}$ in

B 16 chuck mount
R-shaped tip with chucking-force safety device.
 $\frac{1}{16}$ - $\frac{1}{2}$ in (1-13 mm) capacity

Order number	6 32 04 032 00 6
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QuickIN PLUS to $\frac{1}{2}$ in-20UNF adaptor

Order number	6 39 01 054 00 0
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Rapid action chuck

Single-sleeve metal rapid-clamping chuck SUPRA SKE with chucking power safeguard, chuck mount $\frac{1}{2}$ in-20UNF.
 $\frac{1}{8}$ - $\frac{3}{8}$ in (3-16 mm) capacity

Order number	6 32 05 038 01 0
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Rapid action chuck

Single-sleeve metal rapid-clamping chuck SUPRA SKE with chucking power safeguard, QuickIN Plus mount.
 $\frac{1}{8}$ - $\frac{3}{8}$ in (3-16 mm) capacity








Order number	6 39 01 054 01 0
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Core drilling in metal, in every situation.

The FEIN core drill product line offers the right machine for every job. From hand-held to stationary core drilling, FEIN covers every metal drilling application perfectly, from 1/32 to 3 1/8 in (0.5 to 80 mm) diameter and cutting depths up to 3 in (75 mm). From the flexible

hand-held metal core drilling system with fast cutting speed to the magnetic core drills in the Enduring, Compact, Universal and Automatic performance classes. With our extensive accessory product line, we have the right solution for every application.

FEIN core drill product line

Hand-held core drilling system	Magnetic core drills	
Mobile	Enduring	Compact
<p>Flexibility for core drilling, independent of material and surface</p>  <p>FEIN KBH 25 S Hand-held 1-speed metal core drilling system up to 1 in (25 mm) dia.</p>	 <p>FEIN KBB 30 Compact, lightweight, 1-speed durable magnetic core drill up to 1 3/16 in (30 mm) dia.</p>	 <p>FEIN KBB 40 Extremely compact 1-speed magnetic core drill up to 1 9/16 in (40 mm) dia. with fixed drill motor</p>
 <p>FEIN KBH 25-2 U Hand-held 2-speed metal core drilling system up to 1 in (25 mm) dia.</p>	 <p>FEIN KBB 38 Compact, precise, 1-speed durable magnetic core drill up to 1 1/2 in (38 mm) dia.</p>	
	 <p>FEIN KBB 60 Precise 2-speed durable magnetic core drill up to 2 3/8 in (60 mm) dia. and 3 in (75 mm) cutting depth</p>	

Your benefits:

- ▶ Different performance classes for every job.
- ▶ The greatest possible diversity of application and flexibility.
- ▶ Excellent service life and reliability.
- ▶ First-class materials and excellent workmanship.

Magnetic core drills

Universal

Versatility
due to maximum functionality

Automatic

Maximum efficiency
due to fully automatic drill
feed

NEW



Slugger JMU 137 QW

Compact, long stroke, 1-speed
universal magnetic core drill up to
1 $\frac{3}{8}$ in (35 mm) dia.



FEIN KBM 50 Q

Lightweight, long stroke, 2-speed universal
magnetic core drill up to 2 in (50 mm) dia.



FEIN KBM 80 U

High performance, long stroke, 3-speed
universal magnetic core drill up to 3 $\frac{1}{8}$ in
(80 mm) dia. with MT3 tool mount



FEIN KBM 50 Auto

Lightweight, long stroke, 2-speed automatic
magnetic core drill up to 2 in (50 mm) dia.
with MT3 tool mount

NEW



Slugger JMU 137-2 QW

Compact, long stroke, 2-speed
universal magnetic core drill up to
1 $\frac{3}{8}$ in (35 mm) dia.



FEIN KBM 50 U

Lightweight, long stroke, 2-speed universal
magnetic core drill up to 2 in (50 mm) dia.
with MT3 tool mount



FEIN KBM 80 Auto

High-performance, long stroke, 3-speed
automatic magnetic core drill up to 3 $\frac{1}{8}$ in
(80 mm) dia. with MT3 tool mount

NEW



Slugger JMU 137 MQW

Compact, long stroke, 1-speed
universal magnetic core drill up to 1 $\frac{3}{8}$
in (35 mm) dia. with MT2 tool mount



FEIN KBM 65 U

High performance, long stroke, 2-speed
universal magnetic core drill up to 2- $\frac{9}{16}$ in
(65 mm) dia. with MT3 tool mount

**FEIN. Unverwüstliche
Elektrowerkzeuge.**



FEIN. Enduring power tools.

FEIN is the specialist when extremely reliable, professional power tools and special applications solutions are called for in the metalworking, interior construction, and automotive fields. As the inventor of the electric hand drill, FEIN has developed innovative and unbeatably efficient, professionally oriented solutions for over 140 years. In industrial and trade use, they prove themselves under the toughest continuous use.



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The 3-year FEIN PLUS guarantee.**

We offer the FEIN PLUS 3-year guarantee on all FEIN power tools. You simply need to register your new FEIN power tool within 6 weeks of purchase at www.fein.com/warranty.



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