

► METAL

FEIN. Unverwüstliche
Elektrowerkzeuge.



The new drilling technology for fast, flexible operation.

FEIN KBH 25 – the world's first hand-held core drilling system for metal



A new dimension in core drilling, with the FEIN KBH 25.

The world's first hand-held core drilling system for metal, the FEIN KBH 25 combines the advantages of high performance power drills and carbide-tipped core bits in a single system. The new drilling technology enables rapid work progress with considerably less effort

and allows you to work up to five times faster when core drilling. Even in tight, difficult-to-reach locations, the FEIN KBH 25 plays off its strengths. A result of long experience and the enormous development edge that FEIN has as the inventor of the power drill.



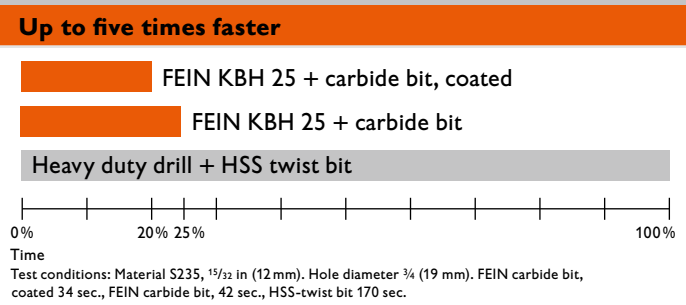


Your advantage when working with the FEIN KBH 25:

- ▶ Convenient operation that is up to five times faster, due to new drilling technology and specially-developed core bit tooth geometry.
- ▶ Hand-held boring of holes up to 1 in (25 mm) diameter in steel up to $\frac{3}{4}$ in (19 mm) thick using carbide bits.
- ▶ Hand-held boring of holes up to 2 $\frac{1}{8}$ in (54 mm) diameter in steel up to $\frac{5}{32}$ in (4 mm) thick using carbide hole saws.
- ▶ A boring system with the highest quality materials and workmanship, combined with tungsten carbide bits optimized for long service life.

A system specially matched to the application.

The ideal relationship of a high-performance core drilling machine, optimal speed, patent-pending drilling technology, and carbide bits with special tooth geometry, guarantees enormous time and money savings compared to conventional boring methods. Compared to twist bits, you will work up to five times faster, and compared to the carbide hole saws established in the market, up to three times faster.



Easy

Wrench-free FEIN QuickIN PLUS fast change system guarantees easy exchange of bits.

Fast

Innovative drilling technology for rapid work progress and short drilling times.

Safe

Torque-slip clutch separates driving and driven sides when overloaded.

Precise

Precision machining ensures secure positioning of rotating machine parts.



Energy saving drilling using special tooth geometry.

For the first time, hand held core drilling can be done with low feed force – thanks to special tooth geometry and the narrow kerf of the core bit. These greatly reduce both contact pressure during pilot drilling and the required feed force during drilling. This leads to rapid work progress, saving time and money.

Special tooth geometry, narrow kerf

The FEIN drilling bit consists of three different cutting teeth. This greatly reduces the contact pressure and feed force and cutting is free of vibration and quiet.

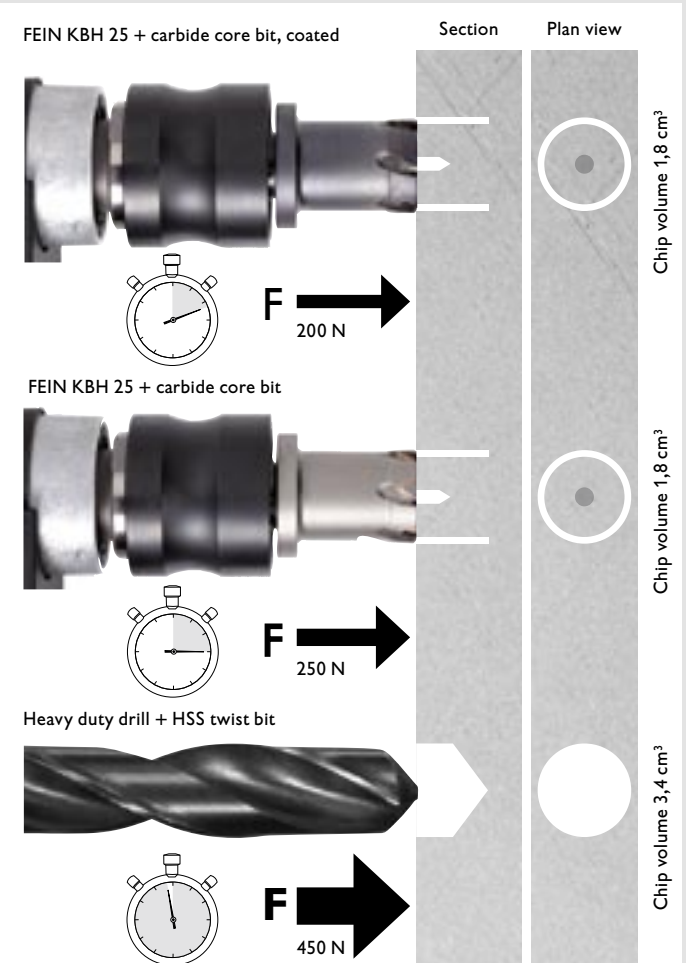


Carbide core bit with TiAlN coating

- ▶ Up to 20% faster work progress compared to uncoated carbide core bits.
- ▶ Least cutting and feed force due to the excellent glide properties provided by titanium aluminum nitride surface coating.
- ▶ Increased heat resistance for dry boring.
- ▶ Improved service life.

Rapid work progress combined with low feed force

Less time and less effort due to minimal chip volumes: With core drilling, only a narrow ring is cut out, so considerably less time and feed force is required. In addition, cored holes can be carried out in one operation (pilot drilling, core drilling, core ejection).



Values obtained with S235 material ¹⁹/₃₂ in (12mm), hole diameter ³/₄ in (19 mm)

Perfect drilling results due to unique drilling technology.

Thanks to a newly developed drilling technology, the pilot bit in the FEIN KBH 25 core drilling system for metal is only in the use as long as necessary. In order to absorb the lateral forces that arise during subsequent core drilling, the pilot bit ensures the necessary positioning in the workpiece by means of a approx. 1/4 in (aprox.

6 mm) deep hole. After the pilot bit hole depth reaches approx. 1/4 in (aprox. 6 mm), the carbide core bit meets the material and the pilot bit is disengaged. So the entire feed force is applied directly to the carbide core bit and the work can be done with rapid progress and minimum effort.

Powerful

Unrivalled high copper content and an encapsulated coil ensure lasting high performance.



Innovative

How the new drilling technology works:

1. This pilot bit projects 1 in (25 mm) for exact positioning at the drilling location.
2. Once the pilot bit hole depth reaches approx. 1/4 in (aprox. 6 mm), the carbide core bit meets the material and the pilot bit is disengaged.
3. The user's entire feed force is transferred to the carbide core bit.
4. At material breakthrough, a spring pushes the pilot bit forward, to eject the core.

Precision through outstanding quality.

The world's first hand-held core drilling system for metal, the FEIN KBH 25, impresses with perfect drilling results. Use of machine components with high mechanical stability and the distortion-free barrel design provide maximum precision. The new carbide core bits are optimized for long service life, and impress with high quality carbide teeth that withstand shock and impact loads.



Drills quickly and perfectly in metal: From non-ferrous to rusted and painted metals.



Durable

Withstands extreme shock and impact loading due to distortion-free barrel design and a glass fiber reinforced motor casing.

Flexible

Infinitely variable electronic speed setting for matching speed to specific work processes.

Uniform

Steady work progress and optimal matching of speed using six electronic, tacho-controlled, speed settings.

Technical specifications		
Power consumption	W	1,200
Output	W	680
Load speed	rpm	0–520
Hole-Ø steel carbide core bit	in (mm)	9/16–1 (14–25)
Hole-Ø aluminum carbide core bit	in (mm)	9/16–13/16 (14–30)
Hole-Ø steel carbide hole saw	in (mm)	9/16–21/8 14–54
Corner clearance	in (mm)	11/16 (27)
Cable with plug	ft (m)	13 (4)
Weight according to EPTA	lbs (kg)	7.3 (3.3)
Forward and reverse rotation		•

• included

Only original FEIN QuickIN-PLUS accessories allow the FEIN KBH 25 to reveal all of its advantages.

FEIN KBH 25



The world's first hand-held core drilling system for metal, the FEIN KBH 25, comes in a robust FEIN tool case. Use the original accessories specially matched to the FEIN KBH 25 with QuickIN-PLUS attachment, the only way to take full advantage of the new drilling technology and its benefits.

Price includes: 1 KBH 25 core drilling machine for metal, 1 pilot bit, 1 accessory handle, 1 cutting spray, 1 plastic tool case

Order number

7 271 01

Carbide core bits



Carbide core bits with QuickIN-PLUS attachment

Maximum service life, thanks to carbide teeth. Outstanding cutting performance in all common metals. Metric dimensions: Drilling depth 3/4 in (19mm), hole-Ø steel up to 1 in (25mm), hole-Ø aluminum up to 1 3/16 in (30mm).



Bore dia mm	Quant.	Order number
14	1	6 31 30 014 01 0
15	1	6 31 30 015 01 0
16	1	6 31 30 016 01 0
17	1	6 31 30 017 01 0
18	1	6 31 30 018 01 0
19	1	6 31 30 019 01 0
20	1	6 31 30 020 01 0
21	1	6 31 30 021 01 0
22	1	6 31 30 022 01 0
23	1	6 31 30 023 01 0
24	1	6 31 30 024 01 0
25	1	6 31 30 025 01 0
26	1	6 31 30 026 01 0
27	1	6 31 30 027 01 0
28	1	6 31 30 028 01 0

29	1	6 31 30 029 01 0
30	1	6 31 30 030 01 0

Inch dimensions, drilling depth 3/4 in (19 mm).

Bore dia in	Quant.	Order number
9/16	1	6 31 30 200 01 0
5/8	1	6 31 30 201 01 0
1 1/16	1	6 31 30 202 01 0
3/4	1	6 31 30 203 01 0
13/16	1	6 31 30 204 01 0
7/8	1	6 31 30 205 01 0
1 5/16	1	6 31 30 206 01 0
1	1	6 31 30 207 01 0
1 1/16	1	6 31 30 208 01 0
1 1/8	1	6 31 30 209 01 0
1 3/16	1	6 31 30 210 01 0

Carbide core bit, TiAlN coated

Carbide core bits, TiAlN coated, with QuickIN-PLUS attachment

Maximum service life, thanks to carbide teeth. Outstanding cutting performance in all common metals, 20% faster work progress, reduced cutting and feed force due to TiAlN coating.

Metric dimensions: Drilling depth 3/4 in (19mm), hole-Ø steel up to 1 in (25mm), hole-Ø aluminum up to 1 3/16 in (30mm).



Bore dia mm	Quant.	Order number
14	1	6 31 30 114 01 0
15	1	6 31 30 115 01 0

16	1	6 31 30 116 01 0
17	1	6 31 30 117 01 0
18	1	6 31 30 118 01 0
19	1	6 31 30 119 01 0
20	1	6 31 30 120 01 0
21	1	6 31 30 121 01 0
22	1	6 31 30 122 01 0
23	1	6 31 30 123 01 0
24	1	6 31 30 124 01 0
25	1	6 31 30 125 01 0
26	1	6 31 30 126 01 0
27	1	6 31 30 127 01 0
28	1	6 31 30 128 01 0
29	1	6 31 30 129 01 0
30	1	6 31 30 130 01 0

Inch dimensions, drilling depth 3/4 in (19 mm).

Bore dia in	Quant.	Order number
9/16	1	6 31 30 300 01 0
5/8	1	6 31 30 301 01 0
1 1/16	1	6 31 30 302 01 0
3/4	1	6 31 30 303 01 0
13/16	1	6 31 30 304 01 0
7/8	1	6 31 30 305 01 0
1 5/16	1	6 31 30 306 01 0
1	1	6 31 30 307 01 0
1 1/16	1	6 31 30 308 01 0
1 1/8	1	6 31 30 309 01 0
1 3/16	1	6 31 30 310 01 0

Carbide hole saw with QuickIN-PLUS attachment

Carbide-tipped with optimal service life for cost-effective drilling work in sheet metal up to 5/32 in (4 mm) in thickness. Metric dimensions, drilling depth 5/32 in (4 mm).



Bore dia mm	Quant.	Order number
14	1	6 31 31 014 01 0
15	1	6 31 31 015 01 0
16	1	6 31 31 016 01 0
17	1	6 31 31 017 01 0
18	1	6 31 31 018 01 0
19	1	6 31 31 019 01 0
20	1	6 31 31 020 01 0
21	1	6 31 31 021 01 0
22	1	6 31 31 022 01 0
23	1	6 31 31 023 01 0
24	1	6 31 31 024 01 0
25	1	6 31 31 025 01 0
26	1	6 31 31 026 01 0
27	1	6 31 31 027 01 0
28	1	6 31 31 028 01 0
29	1	6 31 31 029 01 0
30	1	6 31 31 030 01 0
31	1	6 31 31 031 01 0
32	1	6 31 31 032 01 0
33	1	6 31 31 033 01 0
34	1	6 31 31 034 01 0
35	1	6 31 31 035 01 0
36	1	6 31 31 036 01 0
37	1	6 31 31 037 01 0
38	1	6 31 31 038 01 0
39	1	6 31 31 039 01 0

Carbide hole saws



40	1	6 31 31 040 01 0
41	1	6 31 31 041 01 0
42	1	6 31 31 042 01 0
43	1	6 31 31 043 01 0
44	1	6 31 31 044 01 0
45	1	6 31 31 045 01 0
46	1	6 31 31 046 01 0
47	1	6 31 31 047 01 0
48	1	6 31 31 048 01 0
49	1	6 31 31 049 01 0
50	1	6 31 31 050 01 0
51	1	6 31 31 051 01 0
52	1	6 31 31 052 01 0
53	1	6 31 31 053 01 0
54	1	6 31 31 054 01 0

Inch dimensions, drilling depth 5/32 in. (4 mm)

Bore dia in	Quant.	Order number
7/16	1	6 31 31 200 01 0
5/8	1	6 31 31 201 01 0
11/16	1	6 31 31 202 01 0
3/4	1	6 31 31 203 01 0
13/16	1	6 31 31 204 01 0
7/8	1	6 31 31 205 01 0
15/16	1	6 31 31 206 01 0
1	1	6 31 31 207 01 0
1 1/16	1	6 31 31 208 01 0
1 1/8	1	6 31 31 209 01 0
1 3/16	1	6 31 31 210 01 0
1 1/4	1	6 31 31 211 01 0
1 5/16	1	6 31 31 212 01 0
1 3/8	1	6 31 31 213 01 0
1 7/16	1	6 31 31 214 01 0
1 1/2	1	6 31 31 215 01 0
1 9/16	1	6 31 31 216 01 0
1 5/8	1	6 31 31 217 01 0
1 11/16	1	6 31 31 218 01 0
1 3/4	1	6 31 31 219 01 0
1 13/16	1	6 31 31 220 01 0
1 7/8	1	6 31 31 221 01 0
1 15/16	1	6 31 31 222 01 0
2	1	6 31 31 223 01 0
2 1/16	1	6 31 31 224 01 0
2 1/8	1	6 31 31 225 01 0

Carbide hole saw for pipes



Carbide hole saw for pipes with QuickIN-PLUS attachment
Carbide teeth with optimal service life when used on pipe materials and arched surfaces with up to 5/32 in (4 mm) wall thickness.



Bore dia mm	Quant.	Order number
21	1	6 31 31 421 01 0
22	1	6 31 31 422 01 0
23	1	6 31 31 423 01 0
24	1	6 31 31 424 01 0
25	1	6 31 31 425 01 0
26	1	6 31 31 426 01 0
27	1	6 31 31 427 01 0
28	1	6 31 31 428 01 0
29	1	6 31 31 429 01 0
30	1	6 31 31 430 01 0
31	1	6 31 31 431 01 0
32	1	6 31 31 432 01 0
33	1	6 31 31 433 01 0
34	1	6 31 31 434 01 0
35	1	6 31 31 435 01 0
36	1	6 31 31 436 01 0
37	1	6 31 31 437 01 0
38	1	6 31 31 438 01 0
39	1	6 31 31 439 01 0
40	1	6 31 31 440 01 0
41	1	6 31 31 441 01 0
42	1	6 31 31 442 01 0
43	1	6 31 31 443 01 0
44	1	6 31 31 444 01 0
45	1	6 31 31 445 01 0
46	1	6 31 31 446 01 0
47	1	6 31 31 447 01 0
48	1	6 31 31 448 01 0
49	1	6 31 31 449 01 0
50	1	6 31 31 450 01 0
51	1	6 31 31 451 01 0
52	1	6 31 31 452 01 0
53	1	6 31 31 453 01 0
54	1	6 31 31 454 01 0

Inch dimensions, drilling depth 5/32 in. (4 mm)

Bore dia in	Quant.	Order number
7/8	1	6 31 31 605 01 0
15/16	1	6 31 31 606 01 0
1	1	6 31 31 607 01 0
1 1/16	1	6 31 31 608 01 0
1 1/8	1	6 31 31 609 01 0
1 3/16	1	6 31 31 610 01 0
1 1/4	1	6 31 31 611 01 0
1 5/16	1	6 31 31 612 01 0
1 3/8	1	6 31 31 613 01 0
1 7/16	1	6 31 31 614 01 0
1 1/2	1	6 31 31 615 01 0
1 9/16	1	6 31 31 616 01 0
1 5/8	1	6 31 31 617 01 0
1 11/16	1	6 31 31 618 01 0
1 3/4	1	6 31 31 619 01 0
1 13/16	1	6 31 31 620 01 0
1 7/8	1	6 31 31 621 01 0
1 15/16	1	6 31 31 622 01 0
2	1	6 31 31 623 01 0
2 1/16	1	6 31 31 624 01 0
2 1/8	1	6 31 31 625 01 0
2 1/4	1	6 31 31 625 01 0

Tapping

Collet chuck
with collet Ø 1/4, 9/32, 3/32 in (6, 7, 9 mm)



Quant.	Order number
1	6 32 06 067 02 0

Collets



Thread-Ø	Ø in (mm)	square in (mm)	Order number
M 4 / M 6	5/32 (4.5)	1/8 (3.4)	6 32 06 065 00 5
M 5 / M 8	1/4 (6)	3/16 (4.9)	6 32 06 066 00 8
M 10	9/32 (7)	1/4 (5.5)	6 32 06 070 00 6
-	5/16 (8)	1/4 (6.2)	6 32 06 078 00 9
M 12	3/32 (9)	3/32 (7)	6 32 06 075 00 4
-	3/8 (10)	5/16 (8)	6 32 06 079 00 3

3-jaw chuck
for direct tap insertion
Range 1/8–3/32 in (2.8–9.0 mm),
with key



Quant.	Order number
1	6 32 06 018 01 0

Pilot bits



Quant.	Order number
1	6 31 14 038 01 0
5	6 31 14 038 02 0

Additional accessories

Chip guard
Prevents contact with hot, sharp edged chips.



Quant.	Order number
1	3 21 74 013 01 0

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



Quant.	Order number
1	3 21 32 031 00 0

Extension
For use in narrow, deep, or stepped surfaces. QuickIN-PLUS attachment, 4in (100 mm) length, includes adapter for pilot bits.



Quant.	Order number
1	6 31 06 017 01 0

QuickIN PLUS adapter for B16

Order number	6 39 01 047 00 0
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Keyed drill chuck with B16 mount
Capacity 1/16–1/2 in (1.5–13 mm)

Order number	6 32 02 030 01 5
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Keyless drill chuck with B16 mount
Capacity 1/32–1/2 in (1–13 mm)

Order number	6 32 04 032 00 6
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**FEIN. Unverwüstliche
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FEIN – specialist for durable power tools.

FEIN is the specialist, when extremely reliable, professional power tools and special applications solutions are called for in the metal fabrication, interior construction, and automotive industries. 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.



Take advantage of the FEIN PLUS 3-year 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

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