

WOOD DRILL BITS

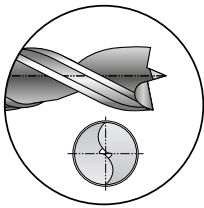


- 180 | 280 Wood twist drill bit
- 186 HSS wood twist drill bit
- 187 Wood twist drill bit KEILBIT
- 181 Auger bit lewis shape
- 182 Auger drill bit lewis shape with SDS-plus shaft
- 183 Machine forstner bit
- 185 Flat bit KEILBIT
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- 350 Drill bit for timbering, round shank
- 355 SDS-plus drill bit for timbering

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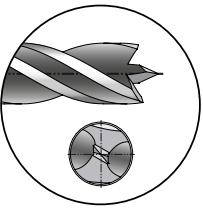
WOOD DRILL BITS

Professional wood drill bits make perfect holes in all kinds of wood



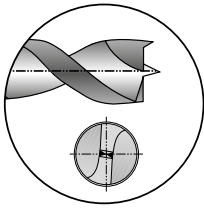
WOOD TWIST DRILL BIT

The double chamfer allows an exact lead in the drilling hole, also in low drilling depths and prevents sticking of chips between drill bit and hole walls. These drill bits are particularly suitable for drilling plug holes and for drilling fibre board, ply wood, pine, beech, oak and similar soft and hard wood. The precisely ground shoulder cutting edges make cylindrical, tear-free holes.



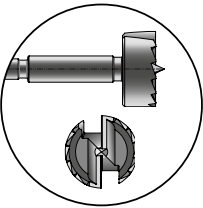
HSS WOOD TWIST DRILL BIT

Made of HSS steel. The specialist for bankirai: Due to its special geometry of grooves and the optimal chip flow our HSS wood twist drill bit is very much suitable for boring in hard and tropical wood as well as laminated boards and plastics.



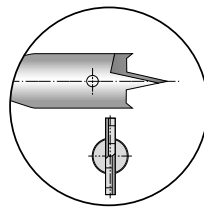
AUGER BIT LEWIS SHAPE

The auger bit has a thread tip, a pre-cutter and a hexagonal shaft. It has a milled and surface ground flute and allows exact and precise drilling in veneered wooden boards as well as all natural soft and hard woods.



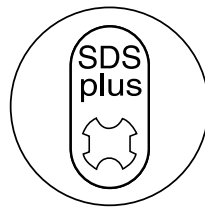
MACHINE FORSTNER DRILL BIT

This drill bit is made from special steel and ground mechanically to its cylindrical shape. Only a very low contact pressure is needed. It has a very good drilling progress and a long tool life. Moreover the power consumption is very low.



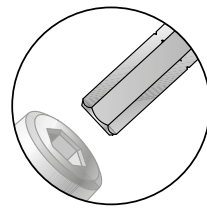
FLAT BITS

Due to its fast and easy tool changing the flat bit is ideal for the DIY-sector. The standardised 1/4" hexagonal shank can be easily exchanged and is therefore perfect for screwing and drilling one after another.



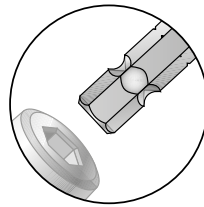
SDS-PLUS LOCKING

The SDS-plus shaft is directly fitting into all hammer drilling machines with SDS-plus and Hilti TE-C chuck.



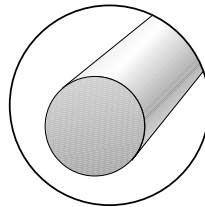
KEILBIT (C 6.3 MM)

This is a different kind of shaft of the KEILBIT with short hexagonal shank and short drill bit.



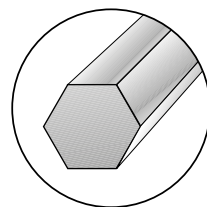
KEILBIT (E 6.3 MM)

Modern cordless screwdrivers are extremely powerful and can definitely be used for drilling. The KEILBIT has specially been invented for the fast and direct application in these machines. No change of machines is necessary anymore. For the various materials we offer different alternatives of the KEILBIT.



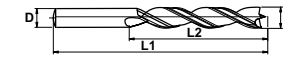
CYLINDRICAL SHAFT

Tools with round shaft are the top selling drilling tools. The round shaft is fitting into all three-jaw chucks and quick change chuck.



HEXAGONAL SCHAFT (10.0 MM)

The hexagonal shank offers a better transmission of rotation especially when working with big diameters and long drill bits.



DRIVE



EXECUTION

- Similar to DIN 7487
- Double chamfer from 5 mm Ø for Art. 180
- Milled and hardened
- Made of CV-alloyed silver steel
- CBN ground tip
- With carvers
- Burnished and ground surface

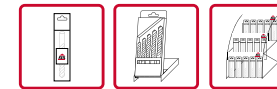
FOR USE IN



APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use

PACKAGING



[156]

[167]

Comments

- Other dimensions on request



D Ø mm	L2 mm	L1 mm	d Ø mm		EAN 4016707...	
3,0	33	61	3,0	20	020018	180 000 030
4,0	43	75	4,0	20	020025	180 000 040
5,0	52	86	5,0	20	020032	180 000 050
6,0	57	93	6,0	20	020049	180 000 060
6,0	190	250	6,0	1	029011	280 060 250
7,0	69	109	7,0	20	020056	180 000 070
8,0	75	117	8,0	20	020063	180 000 080
8,0	190	250	8,0	1	029028	280 080 250
9,0	80	120	9,0	20	020070	180 000 090
10,0	87	120	10,0	20	020087	180 000 100
10,0	190	250	10,0	1	029035	280 100 250
11,0	89	142	8,0	10	020094	180 000 110
12,0	96	151	8,0	10	020100	180 000 120
12,0	190	250	10,0	1	029042	280 120 250
13,0	96	151	8,0	10	020117	180 000 130
14,0	96	151	10,0	10	020124	180 000 140
14,0	190	250	10,0	1	029059	280 140 250
15,0	100	160	10,0	10	020131	180 000 150
16,0	100	160	10,0	10	020148	180 000 160
16,0	190	250	10,0	1	029066	280 160 250
18,0	130	180	10,0	5	020155	180 000 180
18,0	190	250	10,0	1	029073	280 180 250
20,0	140	200	10,0	5	020162	180 000 200
20,0	190	250	10,0	1	029080	280 200 250
22,0	140	205	13,0	5	020179	180 000 220
24,0	140	215	13,0	5	020186	180 000 240
26,0	145	215	13,0	5	020193	180 000 260
28,0	145	220	13,0	4	020209	180 000 280
30,0	145	220	13,0	4	020216	180 000 300

WOOD TWIST DRILL BIT

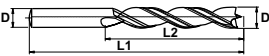


Recommended speed for Keil wood twist drill bits 180		
D ø mm	/min	/min
3,0	1800	2600
4,0	1650	2500
5,0	1450	2200
6,0	1300	2000
7,0	1250	1900
8,0	1200	1800
9,0	1100	1700
10,0	1050	1600
11,0	1000	1500
12,0	900	1400
13,0	850	1300
14,0	800	1200
16,0	650	1000
18,0	500	800
20,0	400	600
22,0	400	600
24,0	350	500
26,0	300	450
28,0	250	400
30,0	200	300

PRODUCT INFORMATION:

- The double chamfer allows an exact lead in the drilling hole, also in low drilling depths and prevents chips of sticking between drill bit and hole walls
- These drill bits are particularly suitable for drilling plug holes and for drilling fibreboard, plywood, pine, beech, oak and similar hardwood and softwood.
- The precisely ground shoulder cutters provide completely round holes without any tearing.
- The special centring tip makes drilling of exact pilot holes possible.
- The Keil wood drill bits are ideal professional tools for the expert.
- To be used only in rotary drilling machines (hammer action, if any, must be switched off).
- The centring tip makes it possible to dispense with marking or scoring when this drill bit is used.
- Bit to be tensioned firmly and centred in chuck.
- Always place drill at right angle and then switch on start (slowly) with a low speed. Then continue drilling with the speed stated or recommended.
- Drilling always with constant pressure do not use a coolant.
- Lift out regularly, at least every 30 mm, and remove spoil from the flute. If this is not done and the flutes fill up, the bit will jam in the hole become hot and stop.
- The work piece should always be clamped tightly. Never let the centring tip impact on a hard underground (metal/stone) or drill into it.
- Blunt drill bits result in imprecise holes. Only sharp drill bits achieve optimum drilling results.
- Observe the safety regulations for all drilling work.

186 HSS WOOD TWIST DRILL BIT



DRIVE



EXECUTION

- High-performance high-speed steel
- Milled flute
- 2 guiding phases bevels for better drill hole guidance
- Large groove for optimal chip flow
- Self cutting centre tip

FOR USE IN



- Especially suitable for furniture making
- Recommended speed of 1400 to 3500 rpm, depending on material and hole diameter

APPLICATION

- In all rotary and percussion drilling machines as well as CNC machines
- In machines for mechanical processing
- Only for rotary use
- Exact, accurately centered and splinter free drilling in coated panel materials, chipboards, MDF-fiber boards as well as plastic and all kinds of soft and hard woods.

PACKAGING



Comments

- Other dimensions on request



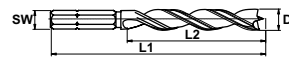
D ø mm	L2 mm	L1 mm	d ø mm			
4,0	43	75	4,0	20	027017	186 000 040
5,0	52	86	5,0	20	027024	186 000 050
6,0	57	93	6,0	20	027031	186 000 060
7,0	69	109	7,0	20	027048	186 000 070
8,0	75	117	8,0	20	027055	186 000 080
10,0	87	133	10,0	20	027079	186 000 100
12,0	96	151	8,0	10	027093	186 000 120

HSS WOOD TWIST DRILL BIT

The two self guiding chamfers allow splinter-proof entry and exit drillings. In contrary to the present type of drill bits no underlay is necessary anymore due to the new tip geometry.



187 WOOD TWIST DRILL BIT KEILBIT



DRIVE



EXECUTION

- Profile-ground
- Made of CV-alloyed silver steel
- Ground carbide tip
- With carvers
- Short, cylindrical
- 1/4" bit drive DIN 3126 - C 6.3

FOR USE IN



APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use
- In all drilling machines, cordless screw drivers and bit holders with 1/4" drill shank
- SDS-plus locating shank for Bits and KEILBIT [37]
- Quick bit holder for bits and KEILBIT [72]

PACKAGING

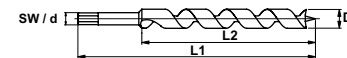


D Ø mm	L1 mm	SW mm		EAN 4016707...	12345
3,0	40	6,35	20	028014	187 000 030
4,0	40	6,35	20	028021	187 000 040
5,0	50	6,35	20	028038	187 000 050
6,0	60	6,35	20	028045	187 000 060
8,0	70	6,35	20	028052	187 000 080
10,0	80	6,35	20	028069	187 000 100

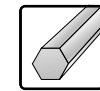
WOOD TWIST DRILL BIT KEILBIT

- Modern cordless screw drivers are extremely efficient and can also be used for drilling without any problems. The KEILBIT was particularly developed for quick direct application in these machines.
- Machine changing is not necessary anymore.
- For drilling other materials we offer various types of KEILBIT.

181 AUGER BIT LEWIS SHAPE



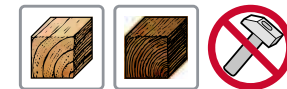
DRIVE



EXECUTION

- Wood drill bit with threaded tip
- Carver and hexagonal shank
- With milled and ground spiral

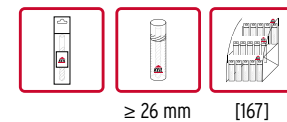
FOR USE IN



APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use
- Precise and splinter-free drilling with point accuracy in veneered boards and all natural soft wood and hardwood

PACKAGING

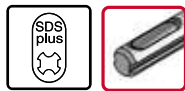


D Ø mm	D Ø 11	L2 mm	L1 mm	SW mm	d Ø mm		EAN 4016707...	12345
6,0	15/64	150	235		6,0	1	031403	181 060 250
8,0	5/16	150	235	7,00		1	031410	181 080 250
8,0	5/16	380	460	7,00		1	031151	181 080 450
10,0	3/8	150	235	9,00		1	031427	181 100 250
10,0	3/8	380	460	9,00		1	031168	181 100 450
10,0	3/8	530	600	9,00		1	031281	181 100 600
12,0	15/32	150	235	11,00		1	031434	181 120 250
12,0	15/32	380	460	11,00		1	031175	181 120 450
12,0	15/32	530	600	11,00		1	031298	181 120 600
14,0	9/16	150	235	12,00		1	031441	181 140 250
14,0	9/16	380	460	12,00		1	031182	181 140 450
14,0	9/16	530	600	12,00		1	031304	181 140 600
16,0	5/8	150	235	12,00		1	031458	181 160 250
16,0	5/8	380	460	12,00		1	031199	181 160 450
16,0	5/8	530	600	12,00		1	031311	181 160 600
18,0	11/16	150	235	12,00		1	031465	181 180 250
18,0	11/16	380	460	12,00		1	031205	181 180 450
18,0	11/16	530	600	12,00		1	031328	181 180 600
20,0	3/4	150	235	12,00		1	031472	181 200 250
20,0	3/4	380	460	12,00		1	031212	181 200 450
20,0	3/4	530	600	12,00		1	031335	181 200 600
22,0	7/8	150	235	12,00		1	031489	181 220 250
22,0	7/8	380	460	12,00		1	031229	181 220 450
22,0	7/8	530	600	12,00		1	031342	181 220 600
24,0	15/16	150	235	12,00		1	031496	181 240 250
24,0	15/16	380	460	12,00		1	031236	181 240 450
24,0	15/16	530	600	12,00		1	031359	181 240 600
26,0	11/32	150	235	12,00		1	031502	181 260 250
26,0	11/32	380	460	12,00		1	031243	181 260 450
28,0	11/8	150	235	12,00		1	031519	181 280 250
28,0	11/8	380	460	12,00		1	031250	181 280 450
30,0	13/16	150	235	12,00		1	031526	181 300 250
30,0	13/16	380	460	12,00		1	031267	181 300 450
32,0	11/4	150	235	12,00		1	031533	181 320 250
32,0	11/4	380	460	12,00		1	031274	181 320 450

182 AUGER DRILL BITS LEWIS SHAPE WITH SDS-PLUS SHAFT



DRIVE



EXECUTION

- Long service life thanks to special alloying
- Wear-resistant CV steel guarantees high strength and resistance to breakage
- educed SDS-plus shaft with open helix runout

FOR USE IN



APPLICATION

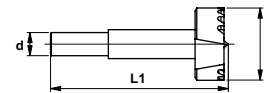
- Directly suitable for all hammer drill bits with SDS-plus and HILTI TE-C shank
- Only for rotating use
- Exact, precise and splinter-free drilling in coated board materials, chipboard, MDF boards as well as plastics and all kinds of soft and hardwoods.

PACKAGING



D Ø mm	D mm	L2 mm	L1 mm		EAN 4016707...	12345
8,0	5/16	100	200	1	918810	182 080 200
10,0	3/8	160	235	1	918827	182 100 235
12,0	15/32	160	235	1	918834	182 120 235
16,0	5/8	160	235	1	918841	182 160 235
20,0	3/4	160	235	1	918858	182 200 235
22,0	7/8	160	235	1	918865	182 220 235
25,0	1	160	235	1	918872	182 250 235

183 MACHINE FORSTNER DRILL BITS, TOOTHED



DRIVE



EXECUTION

- Forged from special steel
- Machine-ground to round shape
- According to DIN 7483
- Toothed execution from D=25mm

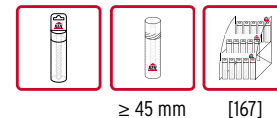
FOR USE IN



APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use
- Precise and splinter-free drilling with point accuracy in veneered boards and natural wood

PACKAGING



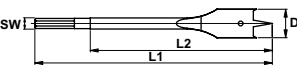
D Ø mm	L1 mm	d Ø mm		EAN 4016707...	12345
15,0	90	8,0	1	033223	183 000 150
18,0	90	8,0	1	033230	183 000 180
20,0	90	8,0	1	033247	183 000 200
22,0	90	8,0	1	033254	183 000 220
24,0	90	8,0	1	033261	183 000 240
25,0	90	8,0	1	033278	183 000 250
26,0	90	8,0	1	033285	183 000 260
28,0	90	8,0	1	033292	183 000 280
30,0	90	8,0	1	033308	183 000 300
35,0	90	10,0	1	033315	183 000 350
40,0	90	10,0	1	033322	183 000 400
45,0	90	10,0	1	033339	183 000 450

MACHINE FORSTNER DRILL BITS, TOOTHED

- Lower contact pressure
- Better and faster drilling progress
- Significantly longer life
- Less current consumption



185 FLAT BIT KEILBIT



DRIVE



EXECUTION

- Tip and cutting edges profile ground
- Right-hand cutting
- Hardened tool steel
- 1/4" bit drive DIN 3126 - E 6.3

FOR USE IN

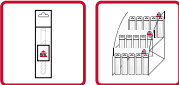


- For drilling in soft wood, beams and chip board

APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use
- In all drilling machines, cordless screw drivers and bit holders with 1/4" drill shank
- SDS-plus locating shank for Bits and KEILBIT [37]
- Quick bit holder for bits and KEILBIT [72]

PACKAGING

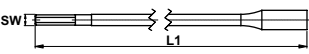


[168]



D Ø mm	L2 mm	L1 mm	SW mm		EAN 4016707...	12345
6,0	100	152	6,35	1	025013	185 060 150
8,0	100	152	6,35	1	025020	185 080 150
10,0	100	152	6,35	1	025037	185 100 150
12,0	100	152	6,35	1	025044	185 120 150
13,0	100	152	6,35	1	025051	185 130 150
14,0	100	152	6,35	1	025068	185 140 150
16,0	100	152	6,35	1	025075	185 160 150
18,0	100	152	6,35	1	025082	185 180 150
20,0	100	152	6,35	1	025099	185 200 150
22,0	100	152	6,35	1	025105	185 220 160
24,0	100	152	6,35	1	025112	185 240 160
25,0	100	152	6,35	1	025129	185 250 160
28,0	100	152	6,35	1	025136	185 280 160
30,0	100	152	6,35	1	025143	185 300 160
32,0	100	152	6,35	1	025150	185 320 160
35,0	100	152	6,35	1	025167	185 350 160
38,0	100	152	6,35	1	025174	185 380 160
40,0	100	152	6,35	1	025181	185 400 160

185 EXTENSION FOR FLAT BIT KEILBIT



DRIVE



EXECUTION

- 1/4" bit drive DIN 3126 - E 6.3

FOR USE IN

- Can be used for through-holes from 16 mm drill bit diameter

APPLICATION

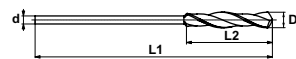
- In all rotary and percussion drilling machines
- In machines for mechanical processing
- In all drilling machines, cordless screw drivers and bit holders with 1/4" drill shank

PACKAGING



L1 mm	SW mm		EAN 4016707...	12345
300	6,35	1	025198	185 000 001

350 DRILL BIT FOR TIMBERING, ROUND SHANK



DRIVE



EXECUTION

- Made of wear resistant CV steel
- Long tool life due to special alloying
- Offset shank with open spiral outfall prevents from drill bit getting jammed
- Optimal true running accuracy as well as chip removal also in deep holes

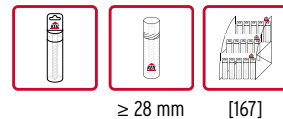
FOR USE IN



APPLICATION

- In all rotary and percussion drilling machines
- To break through outer and inner covering boards in one operation
- Only for rotary use
- Also with concrete leftovers

PACKAGING



≥ 28 mm [167]

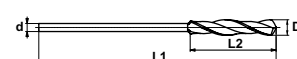
Comments

- Largest clamping shank (d) 13 mm Ø
- Other dimensions on request

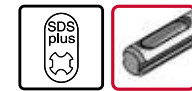


D Ø mm	D 1/4"	L2 mm	L1 mm	d mm		EAN 4016707	12345
6,0	1/4	100	400	6,0	1	030130	350 060 400
6,0	1/4	100	600	6,0	1	030000	350 060 600
8,0	5/16	100	400	8,0	1	030017	350 080 400
8,0	5/16	100	600	8,0	1	030208	350 080 600
8,0	5/16	100	800	8,0	1	030710	350 080 800
10,0	3/8	100	400	8,0	1	030024	350 100 400
10,0	3/8	100	600	8,0	1	030215	350 100 600
10,0	3/8	100	800	8,0	1	030727	350 100 800
12,0	15/32	100	400	10,0	1	030031	350 120 400
12,0	15/32	100	600	10,0	1	030222	350 120 600
12,0	15/32	100	800	10,0	1	030734	350 120 800
14,0	9/16	100	400	10,0	1	030048	350 140 400
14,0	9/16	100	600	10,0	1	030239	350 140 600
14,0	9/16	100	800	10,0	1	030741	350 140 800
16,0	5/8	100	400	10,0	1	030055	350 160 400
16,0	5/8	100	600	10,0	1	030246	350 160 600
16,0	5/8	100	800	10,0	1	030758	350 160 800
18,0	11/16	100	400	13,0	1	030062	350 180 400
18,0	11/16	100	600	13,0	1	030253	350 180 600
18,0	11/16	100	800	13,0	1	030765	350 180 800
20,0	3/4	100	400	13,0	1	030079	350 200 400
20,0	3/4	100	600	13,0	1	030260	350 200 600
20,0	3/4	100	800	13,0	1	030772	350 200 800
22,0	7/8	100	400	13,0	1	030086	350 220 400
22,0	7/8	100	600	13,0	1	030277	350 220 600
22,0	7/8	100	800	13,0	1	030789	350 220 800
24,0	15/16	100	400	13,0	1	030093	350 240 400
24,0	15/16	100	600	13,0	1	030284	350 240 600
26,0	1 1/32	100	400	13,0	1	030109	350 260 400

355 SDS-PLUS DRILL BIT FOR TIMBERING



DRIVE



EXECUTION

- Made of wear resistant CV steel
- Long tool life due to special alloying
- Offset shank with open spiral outfall prevents from drill bit getting jammed
- Optimal true running accuracy as well as chip removal also in deep holes

FOR USE IN



APPLICATION

- Fits directly into all hammer drilling machines with SDS-plus and HILTI TE-C drive
- Only for rotary use
- To break through outer and inner covering boards in one operation
- Also with concrete leftovers
- Adapters for SDS-plus [36]

PACKAGING



Comments

- Other dimensions on request



D Ø mm	D 1/4"	L2 mm	L1 mm	d mm		EAN 4016707	12345
10,0	3/8	100	400	10,0	1	030406	355 100 400
10,0	3/8	100	600	10,0	1	030604	355 100 600
12,0	15/32	100	400	10,0	1	030413	355 120 400
12,0	15/32	100	600	10,0	1	030611	355 120 600
12,0	15/32	100	800	10,0	1	030963	355 120 800
14,0	9/16	100	400	10,0	1	030420	355 140 400
14,0	9/16	100	600	10,0	1	030628	355 140 600
14,0	9/16	100	800	10,0	1	030970	355 140 800
16,0	5/8	100	400	10,0	1	030437	355 160 400
16,0	5/8	100	600	10,0	1	030635	355 160 600
16,0	5/8	100	800	10,0	1	030987	355 160 800
18,0	11/16	100	400	10,0	1	030444	355 180 400
18,0	11/16	100	600	10,0	1	030642	355 180 600
18,0	11/16	100	800	10,0	1	030994	355 180 800
20,0	3/4	100	400	10,0	1	030451	355 200 400
20,0	3/4	100	600	10,0	1	030659	355 200 600
20,0	3/4	100	800	10,0	1	031007	355 200 800
22,0	7/8	100	400	10,0	1	030468	355 220 400
22,0	7/8	100	600	10,0	1	030666	355 220 600
22,0	7/8	100	800	10,0	1	031014	355 220 800
24,0	15/16	100	400	10,0	1	030475	355 240 400
24,0	15/16	100	600	10,0	1	030673	355 240 600