

FIND THE RIGHT TOOL EASILY:

THE NEW KEIL PRODUCT CONSULTANT ON WWW.KEIL.EU

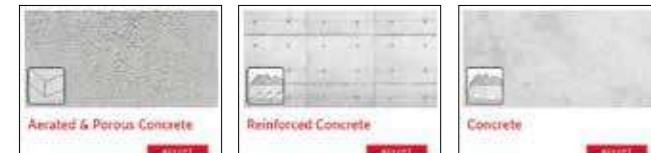
STEP 1: Activities / Product sector



STEP 2: Select material group



STEP 3: Refine material



STEP 4: Area of application



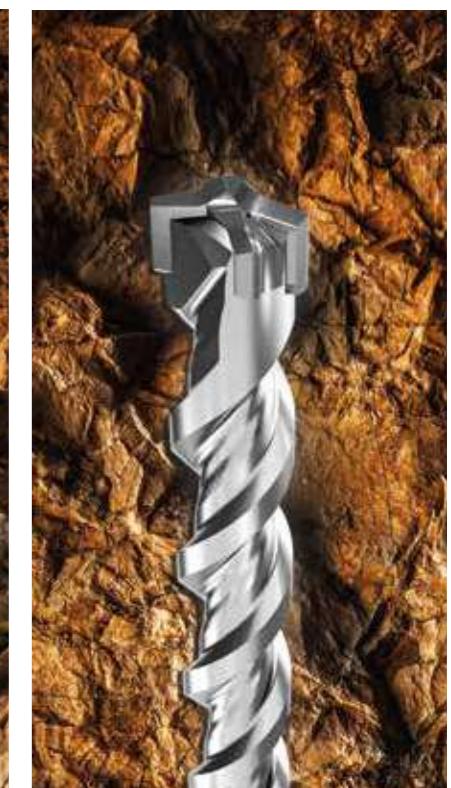
STEP 5: Available shanks / Machines



SCAN QR-CODE AND
FIND THE RIGHT TOOL



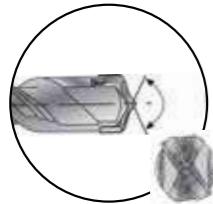
HAMMER DRILL BITS



251 SDS-plus TURBOHEAD XPRO RS	12-13
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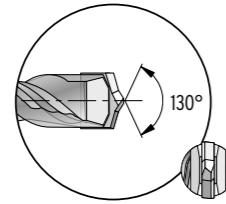
HAMMER DRILL BITS

Keil hammer drill bits are applicable for hardest materials. No matter if brick work, armed concrete, natural stone or artificial stone - our drill bits drill a geometrically exact hole in all kinds of material.



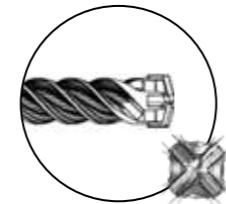
SDS-PLUS TURBOHEAD XPRO RS

Innovative X-head design with 4 cutting edges for fast and professional work. This rebar resistant hammer drill bit guarantees an even higher drilling speed and low wear. The special solid carbide head enables ideal spot drilling, while the optimised MS5 helix ensures rapid removal of drill dust and significantly less friction in the drill hole, resulting in low heat generation and low power consumption of the machine.



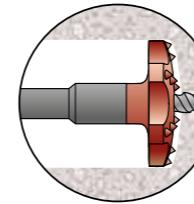
SDS-PLUS MS5 TURBOKEIL

The professional hammer drill bit generation can be used for hardest material in all hammer drilling machines. The TURBOKEIL drill bit with its centering tip does not even stop on armouring iron. Clean drilling holes can be made.



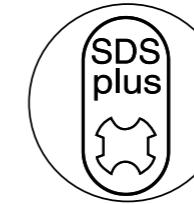
SDS-PLUS POWER-4CE

Robust multi-cutter for reinforced concrete with 4 cutting edges and 4 helices. The Power-4CE guarantees high wear resistance and excellent power transfer. Multiple-cutter head geometry prevents jamming on reinforcements and ensures a fast advance speed.



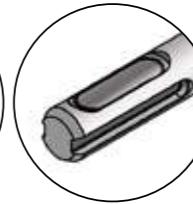
SYSTEM 259

Due to its stable construction the system 259 is suitable for highest demands. It is made of tempered steel and has extremely impact resistant carbide studs which have a high cut resistance. The high temperature brazing is made at 1,120 °C in a two step special process.



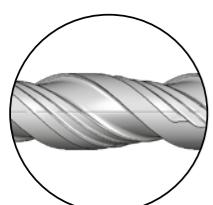
SDS-PLUS

The SDS-plus shaft is directly fitting into all hammer drilling machines with the SDS-plus and Hilti TE-C tool locking. The SDS-plus shaft is especially suitable for smaller drill bits and plug holes.



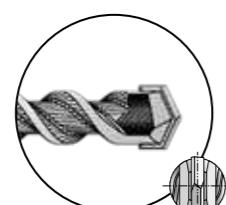
SDS-MAX

The SDS-max shaft is directly fitting into all hammer drilling machines with the SDS-max and Hilti TE-Y tool chuck. The SDS-max shaft is especially suitable for big drilling diameters and break through.



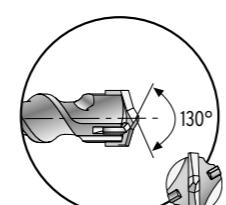
MS5 HELIX

The MS5 flute drills considerably faster than a normal flute. It has a longer service life and reduces the swinging and torsion forces caused during the hammer drilling. Therefore no jam of drilling dust occurs. It has a faster drilling speed and transfers the impact energy in an optimal way. The reinforced core and the rounded gradual transitions offer much more breaking strength.



SDS-PLUS KEILRAPID

The reliable entry-level drill bit for all concrete and masonry applications.



HAMMER DRILL BIT TURBOKEIL X-SHAPE

The symmetric X-shape of the 4-cutter drills provides exact and accurate holes and protects the drill bit of damage when it hits armouring iron. Its head construction minimizes the friction in the drilling hole.



QUALITY MARK

The PGM quality mark stands for a high-quality product manufactured in a controlled and certified production. Drill bits with this seal drill geometrically exact holes. KEIL is a founding member of the PGM and is authorized to carry this seal - for more than 25 years.



LOW HAND-ARM-VIBRATION

If a person is continuously exposed to strong mechanical vibrations, this can have negative effects on his health. The operation of hammer drilling machines causes this kind of vibration. With specific design modifications we develop and optimise our quality products continuously in order to minimize the vibrations caused by the drilling tool.

Comment: Please take notice of „Guidelines 2002/44/EG“ for the maximum acceptable working period!

251 SDS-PLUS TURBOHEAD XPRO RS

**DRIVE**

D ∅ mm	D ∅ "	L2 mm	L1 mm		EAN	
5,0	3/16	50	110	10	902000	251 050 110
5,0	3/16	100	160	10	902017	251 050 160
5,0	3/16	150	210	10	902024	251 050 210
5,0	3/16	200	260	10	914553	251 050 260
5,5	7/32	50	110	10	912641	251 055 110
5,5	7/32	100	160	10	912634	251 055 160
5,5	7/32	150	210	10	912627	251 055 210
5,5	7/32	200	260	10	912757	251 055 260
6,0	15/64	50	110	10	902031	251 060 110
6,0	15/64	100	160	10	902048	251 060 160
6,0	15/64	150	210	10	902055	251 060 210
6,0	15/64	200	260	10	902062	251 060 260
6,5	1/4	100	160	10	904622	251 065 160
6,5	1/4	160	210	10	904639	251 065 210
6,5	1/4	200	260	10	904646	251 065 260
6,5	1/4	250	310	1	914560	251 065 310
8,0	5/16	50	110	10	902109	251 080 110
8,0	5/16	100	160	10	902116	251 080 160
8,0	5/16	150	210	10	902123	251 080 210
8,0	5/16	200	260	10	902130	251 080 260
8,0	5/16	250	310	1	904653	251 080 310
8,0	5/16	300	360	1	904660	251 080 360
8,0	5/16	400	460	1	904677	251 080 460
10,0	3/8	100	160	10	902154	251 100 160
10,0	3/8	150	210	10	902161	251 100 210
10,0	3/8	200	260	10	902178	251 100 260
10,0	3/8	250	310	1	902185	251 100 310
10,0	3/8	310	360	1	904684	251 100 360
10,0	3/8	400	460	1	902208	251 100 460
10,0	3/8	540	600	1	914577	251 100 600
12,0	15/32	100	160	10	902215	251 120 160
12,0	15/32	150	210	10	902222	251 120 210
12,0	15/32	200	260	10	902239	251 120 260
12,0	15/32	250	310	1	902246	251 120 310
12,0	15/32	400	450	1	902253	251 120 450
12,0	15/32	540	600	1	914584	251 120 600
14,0	17/32	100	160	10	902260	251 140 160
14,0	17/32	150	210	10	902277	251 140 210
14,0	17/32	200	260	10	902284	251 140 260
14,0	17/32	250	310	1	904691	251 140 310
14,0	17/32	400	450	1	902291	251 140 450
14,0	17/32	540	600	1	914591	251 140 600
16,0	39/64	100	160	1	904707	251 160 160
16,0	39/64	150	210	1	904714	251 160 210
16,0	39/64	200	260	1	904721	251 160 260
16,0	39/64	400	450	1	904738	251 160 450

EXECUTION

- Made of tempered steel, shot-peened and intermediate level hardened
- TURBOHEAD Xpro head with centering tip
- TURBOHEAD Xpro with innovative 4-cutting-edge concept
- MS5 flute with reinforced core

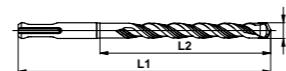
FOR USE IN**APPLICATION**

- Fits directly into all hammer drilling machines with SDS-plus and HILTI TE-C drive
- For drilling plug holes
- Particularly suitable for fastenings
- Adapters for SDS-plus [36]

PACKAGING**Comments**

- More dimensions of the 4-cutter with X-shape on request
- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.

251 SDS-PLUS TURBOHEAD XPRO RS

**DRIVE**

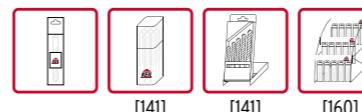
D ∅ mm	D ∅ "	L2 mm	L1 mm		EAN	
16,0	39/64	540	600	1	914607	251 160 600
18,0	11/16	200	250	1	914614	251 180 250
18,0	11/16	400	450	1	914737	251 180 450
20,0	49/64	200	250	1	914744	251 200 250
20,0	49/64	400	450	1	914751	251 200 450
20,0	49/64	550	600	1	914768	251 200 600

EXECUTION

- Made of tempered steel, shot-peened and intermediate level hardened
- TURBOHEAD Xpro head with centering tip
- TURBOHEAD Xpro with innovative 4-cutting-edge concept
- MS5 flute with reinforced core

FOR USE IN**APPLICATION**

- Fits directly into all hammer drilling machines with SDS-plus and HILTI TE-C drive
- For drilling plug holes
- Particularly suitable for fastenings
- Adapters for SDS-plus [36]

PACKAGING**Comments**

- More dimensions of the 4-cutter with X-shape on request
- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.

VIBRATION PROTECTION

Low vibration load of the „hand-arm-system“ by means of highly reduced vibration (see page 11). According to the European guideline EU-Vibrationsrichtlinie 2002/44/EG for vibration protection.

267 SDS-PLUS POWER-4CE



DRIVE



D ∅ mm	D ∅ "	L2 mm	L1 mm		EAN	
5,0	3/16	50	110	1	923838	267 050 110
5,0	3/16	100	160	1	923845	267 050 160
5,0	3/16	150	210	1	923852	267 050 210
5,0	3/16	250	310	1	923869	267 050 310
5,5	7/32	50	110	1	923876	267 055 110
5,5	7/32	100	160	1	923883	267 055 160
5,5	7/32	150	210	1	923890	267 055 210
6,0	15/64	50	110	1	923906	267 060 110
6,0	15/64	100	160	1	923913	267 060 160
6,0	15/64	150	210	1	923920	267 060 210
6,0	15/64	200	260	1	923937	267 060 260
6,0	15/64	250	310	1	923944	267 060 310
6,0	15/64	400	460	1	923951	267 060 460
6,5	1/4	50	110	1	923968	267 065 110
6,5	1/4	100	160	1	923975	267 065 160
6,5	1/4	150	210	1	923982	267 065 210
6,5	1/4	200	260	1	923999	267 065 260
7,0	9/32	50	110	1	924002	267 070 110
7,0	9/32	100	160	1	924019	267 070 160
7,0	9/32	150	210	1	924026	267 070 210
7,0	9/32	200	260	1	924033	267 070 260
7,0	9/32	250	310	1	924040	267 070 310
8,0	5/16	50	110	1	924057	267 080 110
8,0	5/16	100	160	1	924064	267 080 160
8,0	5/16	150	210	1	924071	267 080 210
8,0	5/16	200	260	1	924088	267 080 260
8,0	5/16	250	310	1	924095	267 080 310
8,0	5/16	400	460	1	924101	267 080 460
8,0	5/16	550	600	1	924118	267 080 600
8,0	5/16	900	950	1	924125	267 080 950
10,0	3/8	50	110	1	924132	267 100 110
10,0	3/8	100	160	1	924149	267 100 160
10,0	3/8	150	210	1	924156	267 100 210
10,0	3/8	200	260	1	924163	267 100 260
10,0	3/8	250	310	1	924170	267 100 310
10,0	3/8	400	460	1	924187	267 100 460
10,0	3/8	550	600	1	924194	267 100 600
10,0	3/8	950	1000	1	924200	267 101 000
12,0	15/32	100	160	1	924217	267 120 160
12,0	15/32	150	210	1	924224	267 120 210
12,0	15/32	200	260	1	924231	267 120 260
12,0	15/32	250	310	1	924248	267 120 310
12,0	15/32	400	450	1	924255	267 120 450
12,0	15/32	550	600	1	924262	267 120 600
12,0	15/32	950	1000	1	924279	267 121 000
14,0	17/32	100	160	1	924286	267 140 160

EXECUTION



- Optimum advance and long service life thanks to 4-cutter carbide head
- No snagging on reinforcements due to multiple-cutter head
- Fast drill dust transport thanks to high-volume 4-helix spiral
- Precise positioning thanks to strong centring tip

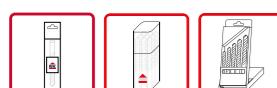
FOR USE IN



APPLICATION

- Fits directly into all hammer drills with SDS-plus and HILTI TE-C mounting
- For drilling dowel holes
- Especially suitable for fastening technology
- Coupling for SDS-plus [36]

PACKAGING



267 SDS-PLUS POWER-4CE



DRIVE



D ∅ mm	D ∅ "	L2 mm	L1 mm		EAN	
14,0	17/32	150	200	1	924293	267 140 200
14,0	17/32	200	250	1	924309	267 140 250
14,0	17/32	250	300	1	924316	267 140 300
14,0	17/32	400	450	1	924323	267 140 450
14,0	17/32	550	600	1	924330	267 140 600
16,0	39/64	150	200	1	924347	267 160 200
16,0	39/64	200	250	1	924354	267 160 250
16,0	39/64	250	300	1	924361	267 160 300
16,0	39/64	400	450	1	924378	267 160 450
16,0	39/64	550	600	1	924385	267 160 600
16,0	39/64	950	1000	1	924392	267 161 000

EXECUTION



- Optimum advance and long service life thanks to 4-cutter carbide head
- No snagging on reinforcements due to multiple-cutter head
- Fast drill dust transport thanks to high-volume 4-helix spiral
- Precise positioning thanks to strong centring tip

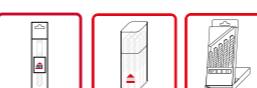
FOR USE IN



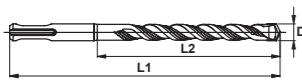
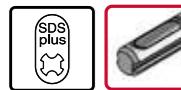
APPLICATION

- Fits directly into all hammer drills with SDS-plus and HILTI TE-C mounting
- For drilling dowel holes
- Especially suitable for fastening technology
- Coupling for SDS-plus [36]

PACKAGING



252 SDS-PLUS W2 HAMMER DRILL BIT X-SHAPE

**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm		EAN	
22,0	7/8	400	450	1	326066	252 122 450
24,0	15/16	400	450	1	326073	252 124 450
25,0	1	400	450	1	326080	252 125 450
28,0	11/8	400	450	1	326097	252 128 450
30,0	13/16	400	450	1	326103	252 130 450

EXECUTION

- Made of tempered steel, shot-peened and intermediate level hardened
- TURBOKEIL carbide plate with centring tip
- 4-cutting edges with W2 flute
- Specially designed head geometry for better center drilling, faster drilling progress, precise drilling hole

FOR USE IN**APPLICATION**

- Fits directly into all hammer drilling machines with SDS-plus and HILTI TE-C drive
- For drilling plug holes
- Particularly suitable for fastenings
- Adapters for SDS-plus [36]

PACKAGING**Comments**

- More dimensions of the 4-cutter page 12 or on request

SDS-PLUS W2 TURBOKEIL X-SHAPE

- The symmetrical X-shape tip construction of the 4-cutting edges with one main cutter and two auxiliary cutters provides for accurate and correct guidance of the drill bit.
- The geometry with 4-cutting edges protects the bit against damage when impacting on armouring iron.
- The design of the head construction significantly decreases friction in the hole so that the tool life is considerably extended.
- Short flute entries and large volume borehole cut channels in the double spiral provide for fast spoil removal.
- Stability against torsional loads
- Precise hole
- Reduced noise emissions
- Rapid spoil removal due to large grooves and double helix
- Protection of man and machine
- Noticeably longer life

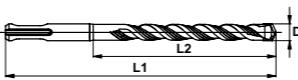
**A few advantages of the 4-cutting edges:**

- Optimum vibration behaviour
- Reduced friction
- Maximum transfer of energy
- Guided centrally

**VIBRATION PROTECTION**

Low vibration load of the „hand-arm-system“ by means of highly reduced vibration (see page 11). According to the European guideline EU-Vibrationsrichtlinie 2002/44/EG for vibration protection.

253 SDS-PLUS MS5 TURBOKEIL

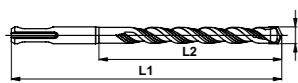
**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm		EAN	
3,5	9/64	35	100	10	323751	253 035 100
4,0	5/32	50	110	10	322136	253 040 110
4,0	5/32	100	160	10	328008	253 040 160
5,0	3/16	50	110	10	322006	253 050 110
5,0	3/16	100	160	10	322013	253 050 160
5,0	3/16	150	210	10	323560	253 050 210
5,0	3/16	200	260	10	324307	253 050 260
5,0	3/16	260	310	1	904769	253 050 310
5,0	3/16	350	410	1	904776	253 050 410
5,5	7/32	50	110	10	322952	253 055 110
5,5	7/32	100	160	10	322969	253 055 160
5,5	7/32	200	260	10	322976	253 055 260
6,0	15/64	50	110	10	322020	253 060 110
6,0	15/64	70	135	10	328015	253 060 135
6,0	15/64	100	160	10	322037	253 060 160
6,0	15/64	150	210	10	320903	253 060 210
6,0	15/64	200	260	10	320910	253 060 260
6,0	15/64	300	360	1	323768	253 060 360
6,0	15/64	400	460	1	328022	253 060 460
6,5	1/4	50	110	10	322143	253 065 110
6,5	1/4	100	160	10	322150	253 065 160
6,5	1/4	150	210	10	328039	253 065 210
6,5	1/4	200	260	10	328046	253 065 260
7,0	9/32	50	110	10	322167	253 070 110
7,0	9/32	100	160	10	322174	253 070 160
8,0	5/16	50	110	10	322044	253 080 110
8,0	5/16	100	160	10	322051	253 080 160
8,0	5/16	150	210	10	322068	253 080 210
8,0	5/16	200	260	10	320927	253 080 260
8,0	5/16	250	310	1	328060	253 080 310
8,0	5/16	400	460	1	323546	253 080 460
8,0	5/16	550	600	1	323775	253 080 600
9,0	11/32	100	160	10	323232	253 090 160
9,0	11/32	200	260	10	328077	253 090 260
10,0	3/8	50	110	10	322181	253 100 110
10,0	3/8	100	160	10	322075	253 100 160
10,0	3/8	150	210	10	322082	253 100 210
10,0	3/8	200	260	10	320934	253 100 260
10,0	3/8	250	310	1	328084	253 100 310
10,0	3/8	300	360	1	328091	253 100 360
10,0	3/8	350	410	1	328107	253 100 410
10,0	3/8	400	460	1	320941	253 100 460
10,0	3/8	550	600	1	328114	253 100 600
10,0	3/8	950	1.000	1	328121	253 101 000
11,0	13/32	100	160	10	328138	253 110 160
11,0	13/32	200	260	10	328145	253 110 260

PACKAGING**Comments**

- For a working length of 400 mm and more, predrilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 950 mm, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- The warranty does not apply to extra-long drill bits of 1,000 mm and more.
- Other dimensions on request

253 SDS-PLUS MS5 TURBOKEIL

**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm	Box	EAN	4016707	✓12345
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12,0	15/32	100	160	10	322099	253 120 165
12,0	15/32	150	210	10	322105	253 120 215
12,0	15/32	200	260	10	320958	253 120 265
12,0	15/32	250	310	1	328152	253 120 310
12,0	15/32	350	400	1	328169	253 120 400
12,0	15/32	400	450	1	320965	253 120 450
12,0	15/32	550	600	1	328176	253 120 600
12,0	15/32	950	1.000	1	328183	253 121 000
13,0	1/2	100	160	10	328190	253 130 160
13,0	1/2	200	260	10	328206	253 130 265
14,0	17/32	100	160	10	322198	253 140 165
14,0	17/32	150	210	10	322204	253 140 215
14,0	17/32	200	260	10	320972	253 140 265
14,0	17/32	250	310	1	328213	253 140 310
14,0	17/32	400	450	1	320989	253 140 450
14,0	17/32	550	600	1	328220	253 140 600
14,0	17/32	950	1.000	1	328237	253 141 000
15,0	19/32	100	160	10	328244	253 150 160
15,0	19/32	150	210	10	328251	253 150 210
15,0	19/32	200	260	10	328268	253 150 260
15,0	19/32	400	450	1	323782	253 150 450
16,0	39/64	100	160	10	322662	253 160 165
16,0	39/64	150	210	10	322679	253 160 215
16,0	39/64	200	260	10	320996	253 160 265
16,0	39/64	250	310	1	328275	253 160 310
16,0	39/64	350	400	1	328282	253 160 400
16,0	39/64	400	450	1	321009	253 160 450
16,0	39/64	550	600	1	328299	253 160 600
16,0	39/64	750	800	1	328305	253 160 800
16,0	39/64	950	1.000	1	328312	253 161 000
17,0	21/32	150	210	5	328329	253 170 200
18,0	11/16	150	200	5	323256	253 180 200
18,0	11/16	250	300	1	328336	253 180 300
18,0	11/16	400	450	1	323263	253 180 450
18,0	11/16	550	600	1	323270	253 180 600
18,0	11/16	950	1.000	1	323430	253 181 000
19,0	23/32	200	250	5	323287	253 190 250
19,0	23/32	400	450	1	323294	253 190 450
20,0	49/64	150	200	5	323300	253 200 200
20,0	49/64	250	300	1	323317	253 200 300
20,0	49/64	400	450	1	323324	253 200 450
20,0	49/64	550	600	1	323331	253 200 600
20,0	49/64	950	1.000	1	323447	253 201 000
22,0	27/32	200	250	1	323348	253 220 250
22,0	27/32	400	450	1	323355	253 220 450
22,0	27/32	550	600	1	323362	253 220 600

Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 950 mm, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- The warranty does not apply to extra-long drill bits of 1,000 mm and more.
- Other dimensions on request

253 SDS-PLUS MS5 TURBOKEIL

**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm	Box	EAN	4016707	✓12345
-----------	----------	----------	----------	-----	-----	---------	--------

22,0	27/32	950	1.000	1	323454	253 221 000
24,0	59/64	200	250	1	323379	253 240 250
24,0	59/64	400	450	1	323386	253 240 450
25,0	31/32	200	250	1	323393	253 250 250
25,0	31/32	400	450	1	323409	253 250 450
25,0	31/32	950	1.000	1	323799	253 251 000
26,0	1	100	160	1	323980	253 260 160
26,0	1	200	250	1	323416	253 260 250
26,0	1	400	450	1	323423	253 260 450

EXECUTION

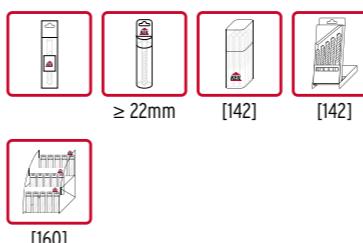
- Made of tempered steel, shot-peened and intermediate level hardened
- TURBOKEIL carbide plate with centring tip
- MS5 flute

FOR USE IN**APPLICATION**

- Fits directly into all hammer drilling machines with SDS-plus and HILTI TE-C drive
- For drilling plug holes
- Particularly suitable for fastenings
- Adapters for SDS-plus [36]

MS5 spiral for ergonomic and ecological work flow:

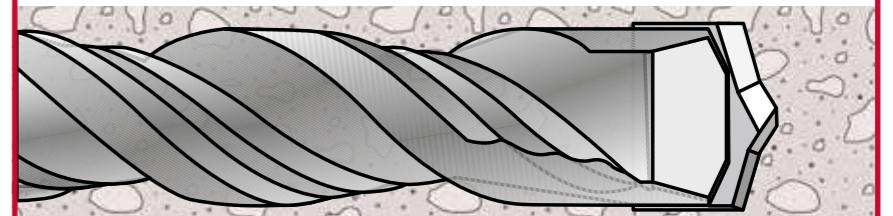
- High drilling speed
- Fast transport of drilling dust
- High grade of stiffness and long service life
- Clean drill holes
- High resistance against breakage

PACKAGING**SDS-PLUS MS5 TURBOKEIL**

The new KEIL hammer drill bit generation can be used for the hardest materials in all SDS-plus hammer drilling machines. **TURBOKEIL** with centring tip for precisely drilling.

Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 950 mm, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- The warranty does not apply to extra-long drill bits of 1,000 mm and more.
- Other dimensions on request



SDS-PLUS MS5 RS

MULTI STEP FLUTE

Ø mm	Spiral Steps
4 - 5	2
6 - 7	4
8 - 9	6
10 - 12	8
13 - 14	6
15 - 16	8
17 - 26	10



The MS5 helix is protected by patent. The number of spiral steps and radii on the drill depends on the diameter.

Due to its computer-optimised geometry, the RS spiral ensures optimal drill dust transport and minimises the deflagration effect. This significantly increases the drilling speed.

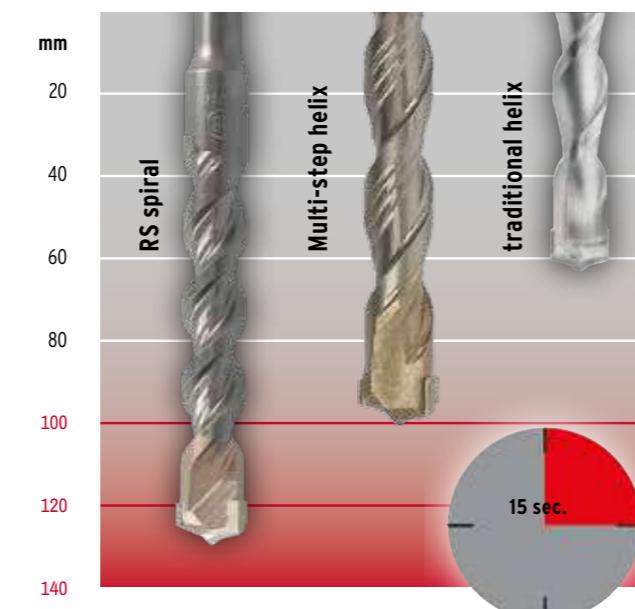
COMPARATIVE DRILLING

Working professionally means working economically

This shows the comparative drilling with the MS5 Multi-step helix and a traditional helix. Hole depth for drilling time of 15 seconds, using SDS-plus hammer drill bits TURBOKEIL 6 x 100 x 160 mm in B25 concrete.

64 % faster with Multi-step helix!

Twice as fast with RS spiral!



ADVANTAGES

Longer service life

The RS helix reduces the vibration loads generated during drilling.

No accumulation of spoil

The RS helix reduces the torsion loads generated during drilling and transports drilling dust optimally.

High drilling speed

The RS helix provides for optimum transfer of the impact energy of the hammer drilling machine.

Extreme fracture resistance

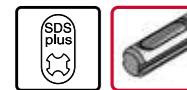
The RS helix has a strengthened core and rounded step transitions.



256 SDS-PLUS HAMMER DRILL BITS KEILRAPID



DRIVE



D Ø mm	D Ø "	L2 mm	L1 mm	Box	EAN	
4	5/32	50	110	10	918889	256 040 110
4	5/32	100	160	10	918896	256 040 160
5	3/16	50	110	10	918902	256 050 110
5	3/16	100	160	10	918919	256 050 160
5,5	7/32	50	110	10	918926	256 055 110
5,5	7/32	100	160	10	918933	256 055 160
5,5	7/32	150	210	10	918940	256 055 210
6	15/64	50	110	10	918957	256 060 110
6	15/64	100	160	10	918971	256 060 160
6	15/64	150	210	10	918988	256 060 210
6	15/64	200	260	10	918995	256 060 260
6,5	1/4	100	160	10	919008	256 065 160
6,5	1/4	150	210	10	919015	256 065 210
7	9/32	100	160	10	919022	256 070 160
7	9/32	150	210	10	919039	256 070 210
8	5/16	50	110	10	919046	256 080 110
8	5/16	100	160	10	919053	256 080 160
8	5/16	150	210	10	919060	256 080 210
8	5/16	200	260	10	919077	256 080 260
9	11/32	100	160	10	919084	256 090 160
10	3/8	50	110	10	919091	256 100 110
10	3/8	100	160	10	919114	256 100 160
10	3/8	150	210	10	919121	256 100 210
10	3/8	200	260	10	919138	256 100 260
10	3/8	250	310	1	919145	256 100 310
10	3/8	400	450	1	919152	256 100 450
11	13/32	250	310	1	919169	256 110 310
12	15/32	100	160	10	919176	256 120 160
12	15/32	150	210	10	919183	256 120 210
12	15/32	200	260	10	919190	256 120 260
12	15/32	250	310	10	919206	256 120 310
12	15/32	400	450	10	919213	256 120 450
14	17/32	100	160	10	919220	256 140 160
14	17/32	150	210	10	919237	256 140 210
14	17/32	200	250	10	919244	256 140 250
14	17/32	250	310	1	919251	256 140 310
14	17/32	400	450	1	919268	256 140 450
16	39/64	100	160	10	919275	256 160 160
16	39/64	150	210	10	919282	256 160 210
16	39/64	250	300	1	919299	256 160 300
16	39/64	400	450	1	919305	256 160 450
18	11/16	200	260	1	919312	256 180 260
18	11/16	250	300	1	919329	256 180 300
18	11/16	400	450	1	919336	256 180 450
20	49/64	250	300	1	919343	256 200 300
20	49/64	400	450	1	919350	256 200 450
22	27/32	400	450	1	919367	256 220 450
25	1	400	450	1	919374	256 250 450

EXECUTION



- Robust hard carbide plate with 130° tip
- Aggressive tip and helix design
- low-vibration operation

FOR USE IN



APPLICATION

- Reliable entry-level hammer drill bits for all concrete and stone applications
- For drilling into masonry, concrete, aerated concrete and sand lime brick
- Adapter for SDS-plus [36]

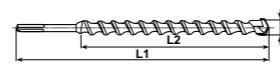
PACKAGING



[143]

[143]

270 SDS-MAX W2 TURBOHEAD XPRO / TURBOKEIL X-SHAPE



DRIVE



EXECUTION



- Made of tempered steel, shot-peened and hardened
- 4 cutter TUBOHEAD Xpro with full carbide head up to 20 mm (15 mm only available with 2 cutting edges)
- 4 cutter with 1 main and 2 strengthened side cutters
- Specially designed head geometry for better center drilling, faster drilling progress, precise drilling hole

FOR USE IN



APPLICATION

- Fits directly into SDS-max and HILTI TE-Y locking

PACKAGING



against surcharge

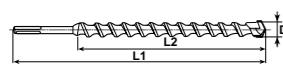
[161]

Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 800 mm and more, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- Other dimensions on request

D Ø mm	D Ø "	L2 mm	L1 mm	2 4	Box	EAN	
8,0	5/16	200	340	4	1	914775	270 080 341
10,0	3/8	200	340	4	1	914782	270 100 341
12,0	15/32	200	340	4	1	914799	270 120 341
12,0	15/32	400	540	4	1	914805	270 120 541
12,0	15/32	550	690	4	1	914812	270 120 691
14,0	9/16	200	340	4	1	914829	270 140 341
14,0	9/16	400	540	4	1	914836	270 140 541
15,0	19/32	200	340	2	1	360282	270 150 340
15,0	19/32	400	540	2	1	360459	270 150 540
16,0	5/8	200	340	4	1	914843	270 160 341
16,0	5/8	400	540	4	1	914850	270 160 541
16,0	5/8	800	940	4	1	914867	270 160 941
18,0	11/16	200	340	4	1	914874	270 180 341
18,0	11/16	400	540	4	1	914881	270 180 541
18,0	11/16	800	940	4	1	914898	270 180 941
20,0	3/4	200	320	4	1	914904	270 200 321
20,0	3/4	400	520	4	1	914911	270 200 521
20,0	3/4	800	920	4	1	914928	270 200 921
20,0	3/4	1.200	1.320	4	1	914935	270 201 321
22,0	7/8	200	320	4	1	360114	270 220 320
22,0	7/8	400	520	4	1	360121	270 220 520
22,0	7/8	800	920	4	1	360398	270 220 920
22,0	7/8	1.200	1.320	4	1	360756	270 221 320
24,0	15/16	200	320	4	1	360138	270 240 320
24,0	15/16	400	520	4	1	360367	270 240 520
25,0	1	200	320	4	1	360145	270 250 320

270 SDS-MAX W2 TURBOHEAD XPRO / TURBOKEIL X-SHAPE



DRIVE



D ∅ mm	D ∅ "	L2 mm	L1 mm	2/4		EAN	
45,0	1 3/4	450	570	4	1	360763	270 450 570
45,0	1 3/4	800	920	4	1	360770	270 450 920
50,0	2	450	570	4	1	360794	270 500 570

EXECUTION



- Made of tempered steel, shot-peened and hardened
- TURBOKEIL carbide plate with centring tip
- 2-cutting edge system with W2 flute up to 15mm
- 4-cutting edge system with W2 flute from 16mm
- Specially designed head geometry for better center drilling, faster drilling progress, precise drilling hole

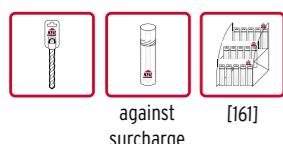
FOR USE IN



APPLICATION

- Fits directly into SDS-max and HILTI TE-Y locking

PACKAGING



Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 800 mm and more, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- Other dimensions on request

SDS-MAX W2 TURBOKEIL X-SHAPE

- A few advantages of the 4-cutting edges**
- The symmetrical X-shape tip construction of the 4-cutting edges with one main cutter and two auxiliary cutters provides for accurate and correct guidance of the drill bit.
 - The geometry with 4-cutting edges protects the bit against damage when impacting on armouring iron.
 - The design of the head construction significantly decreases friction in the hole so that the tool life is considerably extended.
 - Short flute entries and large volume borehole cut channels in the double spiral provide for fast spoil removal.



VIBRATION PROTECTION

Low vibration load of the „hand-arm-system“ by means of highly reduced vibration (see page 11). According to the European guideline EU-Vibrationsrichtlinie 2002/44/EG for vibration protection.

SDS-MAX W2

TURBOHEAD XPRO AND TURBOKEIL X-SHAPE



OPTIMIZED DESIGN

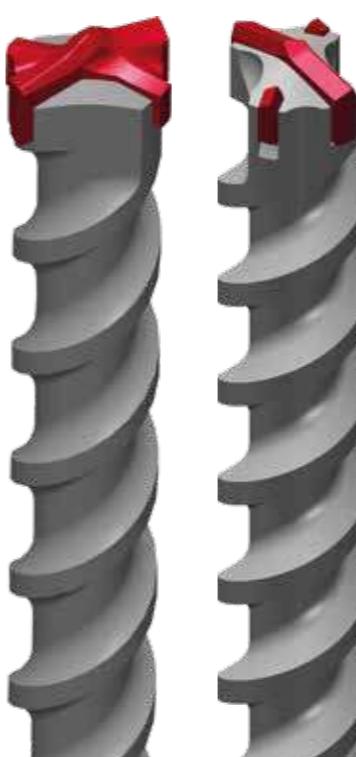
FASTER

- Up to 20 % faster drilling progress due to perfect head shape and large entry grooves for better admission of drill dust



STRONGER

- Equipped with full carbide head for strongest performance already from 8 mm
- From 22 mm with strengthened side cutters for more stability and longer tool life
- Symmetric X-head-shape with TURBOKEIL centring tip and more efficiency when hitting reinforced steel



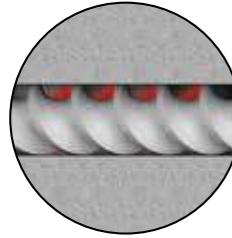
PRODUCT INFORMATION

- The symmetric form of the full carbide head TURBOHEAD Xpro (up to 20 mm diameter) and also the TURBOKEIL X-shape (from 22 mm diameter) provide accurate and correct guidance of the drill bit.
- The geometry with 4-cutting edges protects the bit against damage when impacting on armouring iron.
- The design of the head construction significantly decreases friction in the hole so that the tool life is considerably extended.
- Short flute entries and large volume borehole cut channels in the double spiral provide for fast spoil removal.



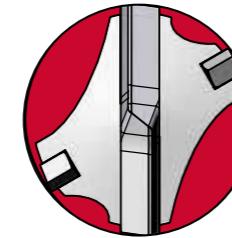
SDS-MAX W2

TURBOHEAD XPRO AND TURBOKEIL X-SHAPE



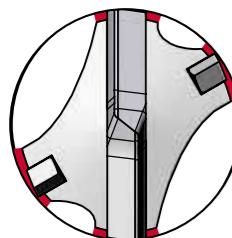
APPROVED DOUBLE FLUTE W2

- The fine tuned and flat angle of twist with its optimum combination of axial run-out and radial run-out takes care for a self-maintained flow of drill dust.
- These drill bits have the approved asymmetric W-flute in double execution.
- The drill dust is taken from the paddle-shaped notch and is optimally transported.
- The chip transporting notches leave a clean drill hole.



LARGE ENTRY GROOVES

- Approx. 40 % more space for drilling dust due to ellipsis shape of the milled grooves. This becomes a noticeable advantage especially with deep drill holes and soft concrete or stone.
- The X-shape provides a better admission of the drill dust.



SYMMETRIC X-HEAD-SHAPE

- Reduced perimeter surface.
- Considerably less friction.
- Fast transport of drill dust and optimum pilot drilling.
- Fast drilling process and less wear.
- Develops low temperature with less power input.



LOW VIBRATION IN DRILLING

- Optimised vibrational characteristics.
- Maximum drill- and transportation power.
- Resistant against extreme torsion force.
- Reduced noise level while drilling.
- Less strain for user and machine.

273 SDS-MAX TURBOCLEAN EXTRACTION DRILL BIT



DRIVE



EXECUTION



- Dust-free drilling: 98% of the drilling dust is removed in the place it originates at the drill tip
- Drilling and vacuum cleaning in one step
- Reduced drilling friction thanks to extra large openings at the tip and internally routed drilling dust
- SDS-max shank

FOR USE IN



APPLICATION

- For installing the chemical anchors
- Drilling in interior applications
- Drilling into masonry, brick, concrete, granite, natural stone and sand lime brick

PACKAGING



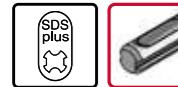
D ∅ mm	D ∅ "	L2 mm	L1 mm		EAN	
14,0	17/32	400	600	1	919480	273 140 600
16,0	39/64	400	600	1	919497	273 160 600
18,0	11/16	400	600	1	919503	273 180 600
20,0	49/64	400	600	1	919510	273 200 600
22,0	27/32	400	600	1	919527	273 220 600
24,0	59/64	400	600	1	919534	273 240 600
25,0	31/32	400	600	1	919541	273 250 600
28,0	11/8	400	600	1	919558	273 280 600
30,0	13/16	400	600	1	919565	273 300 600
32,0	11/4	400	600	1	919572	273 320 600
35,0	13/8	400	600	1	919589	273 350 600
SDS-max TURBOCLEAN ADAPTER				1	919596	273 000 001



TURBOCLEAN ADAPTER

- The TURBOCLEAN combines drilling and dust extraction in a single step for all concrete work
- Dust-free drilling in compliance with current, more stringent health protection standards
- Removes 98% of drilling dust where it originates at the drill tip
- Rugged design of the drill head and shaft for a long service life
- Maximum productivity when setting chemical anchors
- Fast thanks to extra large openings at the tip and reduced drilling resistance as drilling dust is routed internally
- Saves annoying cleaning of the environment (important in sensitive environments such as hospitals, offices, etc.)
- Perfect for use in interior applications

272 SDS-PLUS TURBOCLEAN EXTRACTION DRILL BIT

**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm		EAN	
6	15/64	100	220	1	924408	272 060 220
8	5/16	100	220	1	924415	272 080 220
8	5/16	150	270	1	919381	272 080 270
10	3/8	100	220	1	924422	272 100 220
10	3/8	150	270	1	919398	272 100 270
12	15/32	200	320	1	919404	272 120 320
14	17/32	250	370	1	919411	272 140 370
16	39/64	250	370	1	919428	272 160 370
18	11/16	250	370	1	919435	272 180 370
20	49/64	250	370	1	919442	272 200 370
24	59/64	250	370	1	919459	272 240 370
SDS-plus TURBOCLEAN ADAPTER				1	919466	272 000 001
SDS-plus TURBOCLEAN ADAPTER for DIA 6-8-10 in 220 mm L1				1	924439	272 000 002
Basic SET DIA 6-8-10 x 220 mm, incl. Adapter in case				924446	272 610 220	

EXECUTION

- Dust-free drilling: 98 % of the drilling dust is removed in the place it originates at the drill tip
- Drilling and vacuum cleaning in one step
- Reduced drilling friction thanks to extra large openings at the tip and internally routed drilling dust
- SDS-plus shank

FOR USE IN**APPLICATION**

- For installing the chemical anchors
- Drilling in interior applications
- Drilling into masonry, brick, concrete, granite, natural stone and sand lime brick

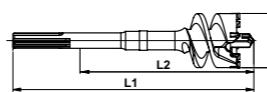
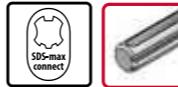
PACKAGING

TURBOCLEAN ADAPTER



- The TURBOCLEAN combines drilling and dust extraction in a single step for all concrete work
- Dust-free drilling in compliance with current, more stringent health protection standards
- Removes 98 % of drilling dust where it originates at the drill tip
- Rugged design of the drill head and shaft for a long service life
- Maximum productivity when setting chemical anchors
- Fast thanks to extra large openings at the tip and reduced drilling resistance as drilling dust is routed internally
- Saves annoying cleaning of the environment (important in sensitive environments such as hospitals, offices, etc.)
- Perfect for use in interior applications

269 SDS-MAX CONCRETE MILLING CUTTER

**DRIVE**

D Ø mm	D Ø "	L2 mm	L1 mm		EAN	
55,0	2 3/16	480	590	1	91808	269 551 590
55,0	2 3/16	880	990	1	91809	269 551 990
65,0	2 5/8	480	590	1	91807	269 651 590
65,0	2 5/8	880	990	1	91810	269 651 990
80,0	3 1/8	480	590	1	91811	269 801 590
80,0	3 1/8	880	990	1	91812	269 801 990

EXECUTION

- Solid construction in one piece
- Shot-peened and rust protected
- Made of tempered steel

FOR USE IN**APPLICATION**

- Fits directly into SDS-max and HILTI TE-Y locking

PACKAGING**Comments**

- Other dimensions on request

SDS-MAX CONCRETE MILLING CUTTER

Due to increasing challenges in practical work our Keil concrete milling cutter was constructed in a new way. Therefore the concrete milling cutter drills faster in concrete and due to its more stable and larger number of solid carbide cutters it is less sensible against break-outs and wear. Also when hitting armouring iron the new concrete milling cutter shows its new features clearly.

**Advantages for professional users:**

- Percussive energy is transferred to the tool without loss
- Low weight
- Reduced vibration
- Long tool life
- Exact drill hole geometry



VIBRATION PROTECTION

Low vibration load of the „hand-arm-system“ by means of highly reduced vibration (see page 11). According to the European guideline EU-Vibrationsrichtlinie 2002/44/EG for vibration protection.

KEIL SPECIAL TOOLS

If you are looking for products which cope with your particular exigencies or products which are required for special fields of application, do not hesitate to contact us.

In addition to our standard articles we develop and manufacture special tools in close collaboration with you which represent accurately fitting solutions to your requirements.

SDS-PLUS & A-KONUS MS5 HAMMERBOHRER SONDERPRODUKTE

DRIVE



SDS-PLUS MS5 COLLAR HAMMER DRILL BIT



A-CONE MS5 COLLAR HAMMER DRILL BIT



A-CONE MS5 HAMMER DRILL BIT



EXECUTION



- Optionally with a stop collar for precise depth limitation or with a cutting collar for optimum penetration of insulation materials

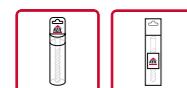
FOR USE IN



APPLICATION

- For drilling plug holes
- Particularly suitable for fastening technology

PACKAGING



SDS-PLUS DRILL EXTENSION FOR A-CONE DRILL BITS incl. drift



SDS-plus drill rods for A-cone drill bits

Production to order, delivery time approx. 8 working weeks after confirmation, minimum order quantity of 100 pcs. per desired item.

Total length mm	270	500	650	800
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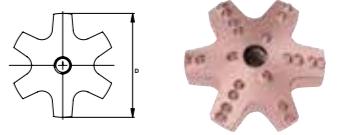
DRIVE / PACKAGING



CHARACTERISTICS

- Increases the operation distance
- Cost savings by exchangeability of the drill bit
- Optimum transmission of the impact energy
- Long service life

259 BREAK-THROUGH CORE DRILL BIT TYPE S WITH RATIO THREAD



EXECUTION

- Made of tempered steel
- High-temperature brazed at 1,120°C
- Highly wear-resistant carbide studs
- Austempered and surface strengthened
- Easy interchangeability by Screw-together system
- Ratio thread rd 14 2gg
- For hard materials (concrete, granite)

D Ø mm	D Ø "	EAN	
35,0	1 3/8	300011	259 000 035
42,0	1 11/16	300035	259 000 042
45,0	1 3/4	300042	259 000 045
52,0	2 1/16	300066	259 000 052
55,0	2 3/16	300073	259 000 055
60,0	2 3/8	300080	259 000 060
65,0	2 5/8	300097	259 000 065
70,0	2 3/4	300103	259 000 070
80,0	3 1/16	300110	259 000 080
90,0	3 9/16	300127	259 000 090
100,0	3 15/16	300134	259 000 100
110,0	4 3/8	300141	259 000 110

FOR USE IN



APPLICATION

- See product overview p.35
- Adapters with RATIO thread p.34

PACKAGING



Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 800 mm and more, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- Other dimensions on request

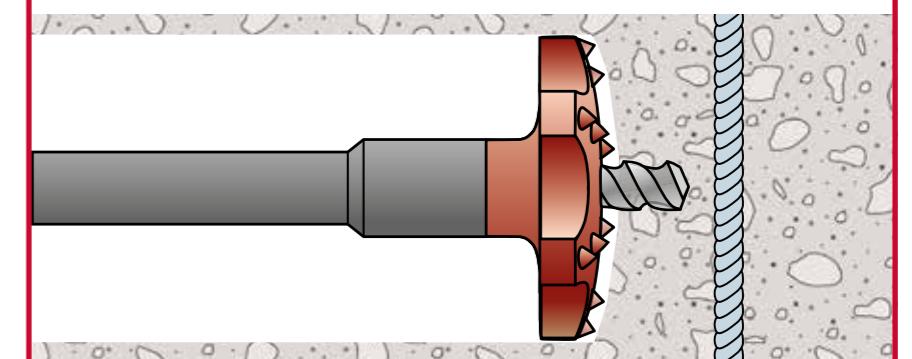
BREAK-THROUGH CORE DRILL BIT WITH RATIO THREAD

With self-sharpening carbide studs:

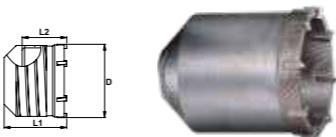
- High drilling power due to wear-resistant carbide studs which sharpen automatically during cutting
- Ideal for use in hard, dry concrete, granite and very hard stone

The advantages:

- Economic drilling in concrete, masonry and lightly reinforced concrete from Ø35 to Ø150mm diameter and to a depth of up to 2 metres
- Above average tool life
- Smooth breakthroughs through concrete and masonry up to large diameters due to practical designs.
- The system can be extended as required by simply screwing together the 300 mm and 450 mm extension pieces. It is recommended to grease the threaded bolts to ensure easy and non-destructive release of the components. We recommend the thread grease for this (Item 259 008 010)



259 HAMMER HOLLOW CORE WITH RATIO THREAD

**EXECUTION**

- Made of tempered steel
- High-temperature vacuum brazed at 1,120°C
- Highly wear-resistant carbide tips
- Hardened and surface strengthened
- 2 stage special high temperature heat treatment
- Easy interchangeability by screw-together system
- Ratio thread rd 14 2gg

D Ø mm	D Ø "	L2 mm	L1 mm		EAN	
40,0	19/16	75	100	1	300523	259 700 040
50,0	2	75	100	1	300462	259 700 050
60,0	2 3/8	75	100	1	300592	259 700 060
65,0	2 5/8	75	100	1	300479	259 700 065
80,0	3 1/8	75	100	1	300486	259 700 080
90,0	3 9/16	75	100	1	300493	259 700 090
100,0	3 15/16	75	100	1	300509	259 700 100
110,0	4 3/8	75	100	1	300547	259 700 110
125,0	5	75	100	1	300608	259 700 125

FOR USE IN**APPLICATION**

- See product overview p.35
- Adapters with RATIO thread p.34

PACKAGING**CUTTING HELIX**

D Ø mm	L2 mm	L1 mm		EAN		
32,0	80	115	32 - 45 mm	1	343018	259 032 000
47,0	80	115	52 - 60 mm	1	343025	259 047 000
63,0	80	115	65 - 70 mm	1	343032	259 063 000
78,0	80	115	80 - 150 mm	1	343049	259 078 000

EXTENSION WITH RATIO THREADED BOLT

L1 mm		EAN	
300	1	300189	259 300 000
450	1	300196	259 450 000

THREADED BOLT WITH RATIO THREAD

L1 mm		EAN	
60	1	300219	259 000 001

259 HAMMER HOLLOW CORE WITH RATIO THREAD

EXECUTION
CENTRE DRILL BIT WITH RATIO THREAD

D Ø mm	D Ø "	L1 mm		EAN		
12,0	15/32	155	Hammer hollow core	1	300516	259 120 155
16,0	5/8	124	Break through core	1	300226	259 160 124
16,0	5/8	174	Break through core	1	300233	259 160 174

FOR USE IN**APPLICATION**

- See product overview p.35
- Adapters with RATIO thread p.34

PACKAGING**THREAD GREASE 120 GRAMS, WATERPROOF, HEAT RESISTANT**

	EAN	
1	300554	259 008 010

HAMMER HOLLOW CORE WITH RATIO THREAD**The advantages:**

- Flexible use with many 259 system components, such as drill adapters, extension pieces etc.
- Extremely solid design for the most demanding applications
- Manufactured of tempered steel which is used, among other things, for crankshafts and drive axles in the automotive industry
- Particularly high impact strength carbide studs which also cut very well
- High-temperature vacuum brazing at 1,120°C
- 2-steps special high temperature treatment

The principle:

- Interchangeability of all components in the drilling system
- Any length of extension is possible due to simply screwing together parts

259 ADAPTERS WITH RATIO THREAD

259 SYSTEM 259 PRODUCT OVERVIEW



EXECUTION

- Internal thread RATIO rd 14 2gg

DRIVE	

L1	mm	EAN

APPLICATION

- For locking of core bits with ratio thread

	SDS-plus Hilti TE-C	

110	259 170 000	300271
190	259 150 000	300301
400	259 150 400	300615
575	259 150 575	300578
975	259 150 975	300585

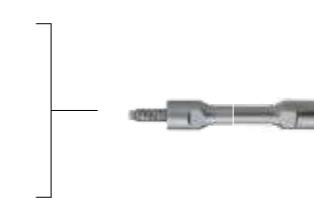
PACKAGING



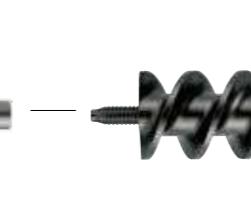
ADAPTER



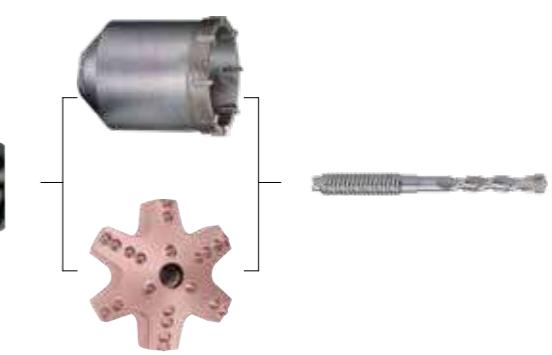
EXTENSION WITH THREADED BOLT



STEEL HELIX



CORE DRILL BIT



DRILL BIT



EXAMPLES

Example 1



Example 2



Example 3



extendable to maximum 5 extensions

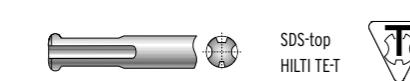
265 ADAPTERS FOR SDS-PLUS



EXECUTION

- Locking grooves with sliding lock

DRIVE	
L1 mm	4016707-12345



L1
mm
 4016707-12345

225 265 160 000 270314

APPLICATION

- For use with SDS-plus hammer drill bits



SDS-top
HILTI TE-T
225 265 150 000 270239



SDS-max
HILTI TE-Y
225 265 150 000 270239

PACKAGING



264 SDS-PLUS LOCATING SHANK FOR CHUCKS SDS-PLUS LOCATING SHANK FOR BITS AND KEILBIT

DRIVE



SDS-PLUS LOCATING SHANK FOR CHUCKS



EXECUTION

- 1/2" thread - 20 UNF-2A
- Internal M6-LH thread
- Shank for chuck
- Screw included
- Suitable for hammer drilling machines with SDS-plus fitting

DRIVE		4016707-12345
1	270260	264 000 002

PACKAGING



SDS-PLUS LOCATING SHANK FOR BITS AND KEILBIT



DRIVE



DRIVE		4016707-12345
1	270253	264 000 001

EXECUTION

- Bit holder with SDS-plus fitting
- Made of stainless steel with forged inside hexagon
- 1/4" bit locking

PACKAGING

