

Bosch: Focusing on progress.

The concrete and masonry range.



Hammer and stone drilling, chiselling



BOSCH

Invented for life

Accessory range

Overview

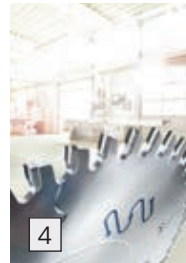
Innovative and efficient products ensure successful sales. The research and development departments at Bosch work to continuously develop and optimise accessories in line with the needs of professionals.



The metal drill bit range

Metal and wood drilling
Accessories for screwdriving
Machine accessories
Cordless working
Work safety

1



The circular saw blade range

Circular sawing
Routing

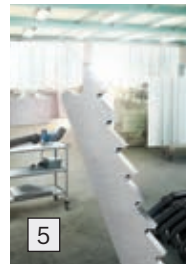
4



The concrete and masonry range

Hammer drilling
Masonry drilling
Chiselling

2



The jigsaw blade range

Jigsawing
Sabre sawing
Multi-cutters
Holesawing

5



The diamond accessory range

Diamond cutting
Diamond grinding heads
Diamond drilling

3



The cutting and grinding disc range

Sanding and polishing
Cutting and grinding
Brushing

6



Bosch Customer Service

Have any questions about our products and applications?
Tel.: 0844 736 0109
Fax: 0844 736 0146
Mon - Fri: 8:30 - 17:00
boschservicecentre@uk.bosch.com

Calls are charged at 4 pence per minute from a BT landline, call charges from other networks will vary and mobiles may be significantly more.

This number connects you to the Bosch application adviser team. It is there to answer your queries regarding technical matters and for quick and user friendly customer service. Outside office hours an answer phone will take your message.

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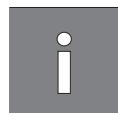
SDS-max shank

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Packaging information system

Technical information/applications

Material



Concrete



Concrete 2



Natural stone



Tiles



Masonry



Marble



Granite



Aluminium



Hard and soft wood

Properties/Advantages



Cylindrical shank with wings



Cylindrical shank



SDS-plus shank



SDS-max shank



Hex shank



active@G



Power Grip System – 100% power transfer



2-cutter



5-cutter



Long lifetime



3 times longer lifetime



Fast drilling



Easy drilling



Precise drilling



Test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM)



Do not drill with impact

Safety



Wear protective glasses



Wear dust mask

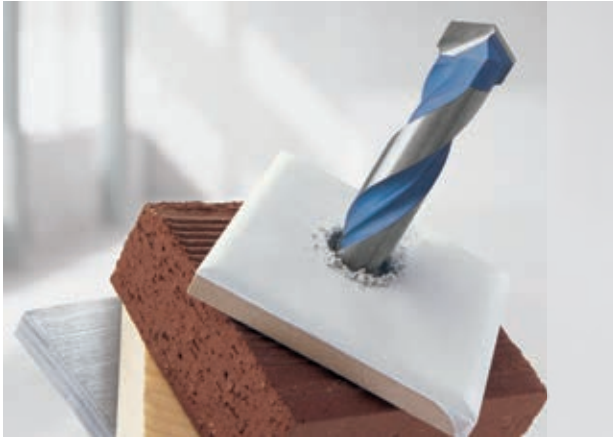


Drilling



Bosch:

Pioneer in drilling for maximum efficiency



As a leader in innovation, Bosch continually sets new standards with drill bits 'Made in Germany'. From the invention of the SDS system to the unique in-house production of carbide, Bosch always stands out from the competition. Due to groundbreaking innovations, drilling is made more efficient.

In 1975 Bosch developed the SDS-plus system, which has been an industry standard for precise and reliable drilling ever since. SDS-plus is known as the drill bit insertion system that guarantees better power transfer and unlike other systems on the market, enables fast changing of drill bits and chisels.

Other pioneering innovations include the first 4 cutter SDS-max drill bit – Quadro X and the first bit with 4 flute technology -SDS-plus S4. Our focus has always been on developing products to combine efficient work and high quality.

Today, Bosch are the only manufacturer who can control the blend of carbide they use. This is in order to achieve the ideal balance between hard and soft tungsten carbide. In addition, the innovative diffusion bonding technology ensures that the flute joins the carbide, therefore meeting the highest customer requirements.

What Bosch can offer is a broad selection of different types of drill bits with outstanding longevity and maximum reliability.

Invented by Bosch, for maximum efficiency.

Make good drill bits great –

key properties that affect the quality of a drill bit

There are a number of drill bits with a variety of different properties. This makes it difficult to judge which bit is suitable for your requirements. Below is a list of key properties and their explanations.



Key properties

What features contribute to a high quality drill bit

Long life/Robustness

Carbide

High quality raw material and manufacturing process.

Steel

High-alloy steel and optimised hardening technology. In addition to this, fast material removal through the flute must be ensured to prevent heat development and the resulting wear.

Clean, precise drilling

Drill bit head

Active centring for precise drilling in concrete.

Cutting edges

The number of cutters determines which material can be drilled into (e.g. 4-cutter for rebar).

Material extraction

Flute

Diameter optimised design to reduce dust explosions.

Mounting system

Shank system

SDS-plus/SDS-max and the new Power Grip System ensure that 100 percent of the machine's power is transferred to the drill bit, which also makes it easier to change the bit.

The first point of contact: the drill bit tip

The tip has two main functions:

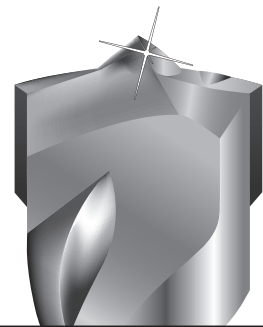
1. Centring the drill bit to prevent it from wandering.
2. Grinding the concrete into fine dust which can be easily removed from the drilled hole.

Centring tip

The exposed centre area of the cutting edge is for active centring and provides guidance while drilling.

- ▶ Without a ground tip or centring area, the bit will wander on glazed surfaces and as a result the dimension of the hole would no longer be in the tolerance range.

active^{te}Q



Cutting edge

Shaped cutters ensure: high performance; largest demolition force; fast speed and long lifetime.

- ▶ The application and material define if the cutters need to be shaped or diamond ground to determine the performance of the drill bits.



Relief grooves (V on cutting edge)

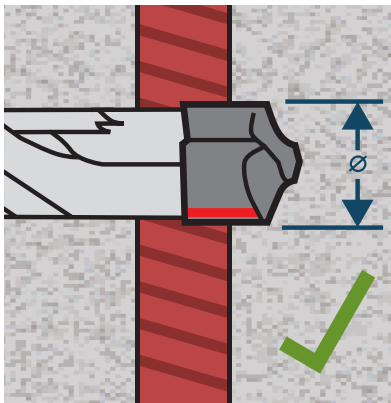
The dust is directed into the flute to avoid a jam in the bottom of the borehole.

- ▶ High quality 2-cutter drill bits feature relief grooves to ensure efficient work progress.





Bosch drill bits bear the test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM). **The PGM seal is the guarantor for:** compliance with tight tolerances, exact drilled holes and firm hold of fixings



Wear mark

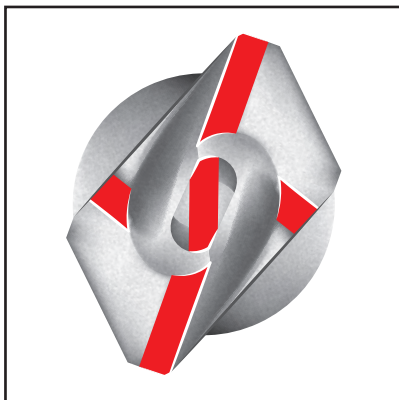
The visibility of the wear mark indicates if the diameter of the hole is still in tolerance for metal anchor setting.

- ▶ High quality drill bits feature wear marks which keeps the costs per drilled hole low.



High impact on lifetime: the drilling head

The composition and quality of the carbide has an influence on the number of holes the drill bit can drill within the tolerance range which ultimately affects the lifetime of the bit. The last production step of the bonding or brazing technology is equally important, it is used to bond the carbide to the drill bit's flute.



Carbide design

The design of the carbide affects the lifetime of the drill bit and defines the variety of materials that can be cut.

- ▶ The higher the number of cutters the better the bit will drill into hard materials and reinforced concrete.

There are 4 different types of cutters:

2-cutter, brazed

= Standard lifetime

3- or 4-cutter, brazed

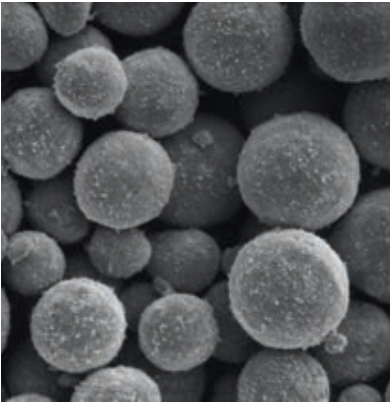
- ▶ Less wear than 2-cutters
- = Longer lifetime, less jamming in rebar

3- or 4-cutter full head, bonded

- ▶ Twice the performance of 2-cutters in hard materials
- ▶ Twice as many cutting edges as 2-cutters
- = Longer lifetime, less jamming in rebar

5-cutter full head, diffusion bonding

- ▶ Performance in hard materials is 3 times better than 2-cutters = Best lifetime
- ▶ Twice as many cutting edges as 2-cutters
- = High drilling speed
- ▶ The cutter construction ensures better performance without jamming in rebar than 3 or 4-cutters
- = 3 times longer lifetime/best wear resistance



Carbide composition

Carbide is a blend of tungsten carbide, cobalt and natural additives.

- ▶ A high percentage of tungsten carbide and a small grain size increase the lifetime and the wear resistance of the bit.

The lifetime of the carbide is defined by two variables:

1. The concentration of tungsten carbide in the grain mixture defines the hardness of the carbide.
2. The grain size of the carbide defines the resistance of the cutting edges. The smaller the grain size, the harder the surface.

Recycled carbide

= Poor lifetime

Standard carbide

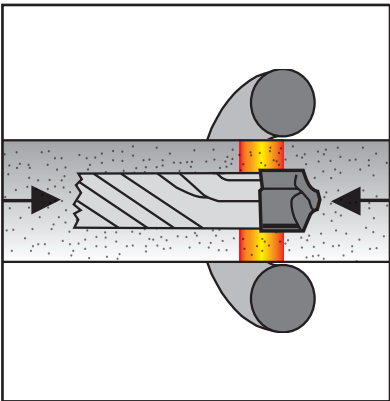
= Good lifetime

High durable carbide

- ▶ Higher percentage of carbon in the blend = Long lifetime

Fine grade high durable carbide

- ▶ High percentage of carbon in the blend and small grain size = Exceptional lifetime



Bonding process (flute and carbide)

Depending on the brazing material and the process, the bond may not be able to withstand certain thermal loads and may lose its stability. The drill bit can heat up to over 400 °C when drilling in natural stone or rebar.

- ▶ The bonding process therefore affects the lifetime of the drill bit (attachment of the drilling head).

There are 5 common bonding processes:

Belt oven brazing and hardening

- ▶ Brazing and heat treatment in one process. Finding the optimum temperature for simultaneous brazing and hardening is a compromise at the expense of the product.

Induction brazing

- ▶ Standard brazing operation to connect carbide tip with the flute.

Vacuum brazing and hardening

- ▶ Brazing in vacuum conditions, especially developed for large diameters. Brazing is performed in the first step followed by hardening to reduce thermal loads.

AWB brazing and hardening

- ▶ Diameter optimised brazing and hardening technology to increase the durability of the drill bit and simultaneously reduce the vibration during drilling.

Diffusion bonding

- ▶ Molecular bonding between the full head carbide and the flute of the drill bit. This technology provides the exceptionally strong bond to withstand the drilling force e.g. when you hit rebar.



Effective dust transportation: the flute

The design of the flute is defined by a) the number of flutes, b) the core section of the drill bit and c) the size of the channels. It is important to find the right balance between an easy dust removal, optimum power transfer from the rotary hammer to the drill bit, and the optimum lifetime of the bit according to what you require.

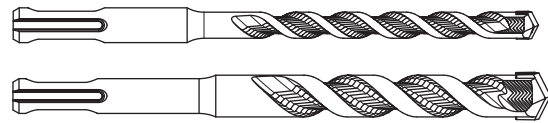
2-flute L-shape (standard)

- ▶ Standard performance.



2-flute U-shape

- ▶ Highly efficient drilling dust removal in abrasive materials.



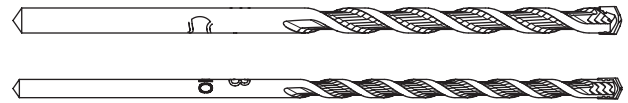
4-flute dura design

- ▶ Reinforced core section for high wear resistance and stability when drilling in concrete.



2-flute vario design

- ▶ Short, variable incline for easier drilling and less friction than U-shape flute in building materials.



4-flute turbo design

- ▶ Improved dust removal for smooth drilling in concrete. The stronger core section increases the lifetime of the drill bit.



2 + 2 flute design

- ▶ Vibration-optimised flute design for the best power transfer from the rotary hammer to the full carbide head. The incline of the flute ensures stability and can remove large metal chips when drilling through rebar.

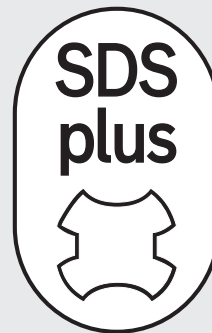


Quick mounting and 100% power transfer: the shank system

A mounting system is an important criteria for a professional drill bit. Bosch has and will continue to invent better solutions for the user.

1975

Bosch invented the SDS-plus system (shank size 10 mm) and revolutionised the way professionals can fix drill bits in small class hammers (< 5 kg).



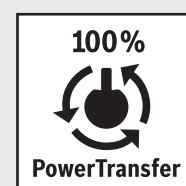
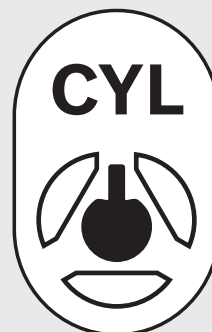
1985

Bosch invented the SDS-max system (shank size 18 mm) for large rotary hammers (≥ 5 kg) to reap the same benefits of quick mounting and increased power transfer.



2012

Bosch launches the new Power Grip System for cylindrical shank drill bits. It enables 100% power transfer from the machine to the drill bit.



Bosch offers the right solution – based on your needs and applications



Increase in performance in new generation rotary hammers

The increase in performance, which is due to higher joules, provides a sustained boost in impact force and guarantees fast drilling speeds. A new generation of drill bits have been designed to meet the requirements of the new system to assure the rotary hammer can reach its full potential.

It is therefore crucial to select the right drill bit.

SDS-plus-7: 3x lifetime and precise drilling even in rebar



5-cutter full head carbide

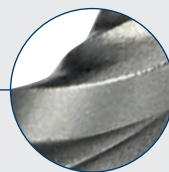
Shaped cutters for highest demolition force, exceptional lifetime and best wear resistance. No jamming in rebar



activeQ

activeQ

Active centring tip for active cutting in concrete (Pat. pending). Special cutting edge and angles to grind the concrete into fine dust

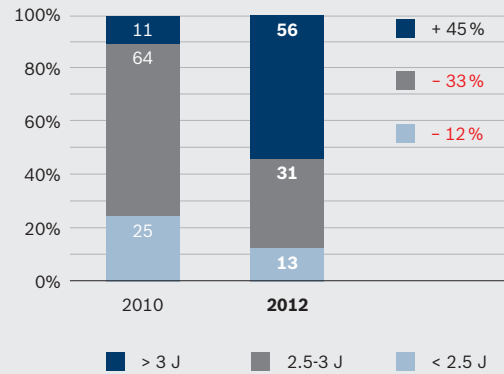


2 + 2 flute design

Vibration-optimised flute design for the best power transfer and speed



New rotary hammers are becoming more powerful, in order to achieve faster drilling speeds.



SDS-plus-5: user-friendly drilling without stalling and stopping



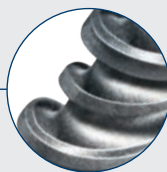
Carbide relief grooves

Special V-shaped design for faster dust transportation into the flute in order to prevent clogging at the base of the drilled hole



activeteq*

Active centring tip for active cutting in concrete (Pat. pending). Special cutting edge and angles to grind the concrete into fine dust






4-flute turbo design

Patented 4-flute design to efficiently remove dust

* Diameter ≤ 10 mm

Cylindrical shank



New product	CYL-1 Impact	CYL-3 Silver Percussion	CYL-5 Blue Granite	CYL-9 MultiConstruction Multi Construction	CYL-9 Ceramic Expert for Ceramic
Old product					
Lifetime	●	●●●	●●●●	●●●	●●●
Speed	●●	●●●	●●●●●	●●●●●	●●●
Drilling dust removal	●●●	●●●	●●●●●	●●●●	●●●
Tip			activeteq	Centring tip	Centring tip
			Diamond-ground cutting edges	Diamond-ground cutting edges	Reinforced head
Cutters	2-cutter	2-cutter	2-cutter	2-cutter	2-cutter
Carbide		Long-life carbide	Long-life carbide with extremely fine grain	Long-life carbide with extremely fine grain	Long-life carbide
	Standard carbide				
Flute			2-flute vario design	4-flute dura design	
	2-flute U-shape	2-flute U-shape			



Optimum drilling



Long lifetime



Fast drilling



Multi Material



Tile drill bits

●/●● = good

●●●/●●●● = better

●●●●● = best

CYL-5

20% faster drilling

activeteq
Active centring tip
for active cutting in
concrete



2-cutter
Standard

Fine grade high durable carbide
Extra-long life/
Best wear resistance

Diamond-ground cutting edges
Pulverises the concrete faster



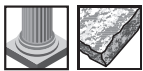
2-flute vario design
Less friction and good dust
removal for faster drilling

The new Power Grip System
enables 100% of the machine's
power to be transferred to the
drill bit

CYL-5 concrete drill bits

CYL-5

BLUEGRANITE



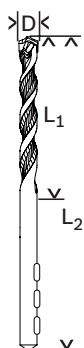
- ▶ **Suitable for** drilling holes in granite, concrete, masonry, limestone, natural and artificial stone
- ▶ Hammer resistant heavy duty drill bit, manufactured to ISO 5468, for all impact drills
- ▶ Suitable for drilling holes for fixings
- ▶ Drill bit colour: blue, polished

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode
Product properties			Ordering information				
Pack of 1							
3.0	50	90	2 608 588 136	PC1d	1	5	690270
3.5	50	90	2 608 588 137	PC1d	1	5	690287
4.0	50	90	2 608 588 138	PC1d	1	5	690294
4.0	100	140	2 608 588 139	PC1d	1	5	690300
5.0	50	100	2 608 588 140	PC1d	1	5	690317
5.0	100	150	2 608 588 141	PC1d	1	5	690324



CYL-5 concrete drill bits

Product properties			Ordering information				
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Pack of 1							
5.5	50	100	2 608 588 142	PC1d	1	5	690331
5.5	100	150	2 608 588 143	PC1d	1	5	690348
6.0	50	100	2 608 588 144	PC1d	1	5	690355
6.0	100	150	2 608 588 145	PC1d	1	5	690362
6.0	200	250	2 608 588 146	PC1d	1	5	690379
6.5	50	100	2 608 588 147	PC1d	1	5	690386
6.5	100	150	2 608 588 148	PC1d	1	5	690393
7.0	50	100	2 608 588 149	PC1d	1	5	690409
7.0	100	150	2 608 588 150	PC1d	1	5	690416
8.0	50	100	2 608 588 151	PC1d	1	5	690423
8.0	100	150	2 608 588 152	PC1d	1	5	690430
8.0	200	250	2 608 588 153	PC1d	1	1	690447
9.0	50	100	2 608 588 154	PC1d	1	5	691239
10.0	100	150	2 608 588 155	PC1d	1	5	690454
10.0	200	250	2 608 588 156	PC1d	1	1	690461
12.0	90	150	2 608 588 157	PC1d	1	5	690478
12.0	190	250	2 608 588 158	PC1d	1	1	690485
14.0	90	150	2 608 588 159	PC1d	1	1	690492
14.0	190	250	2 608 588 160	PC1d	1	1	690508
16.0	140	200	2 608 588 161	PC1d	1	1	690515
18.0	140	200	2 608 588 162	PC1d	1	1	690522
20.0	140	200	2 608 588 163	PC1d	1	1	690539



CYL-5 concrete drill bit sets

Product properties				Ordering information				
Diameter mm	Working length mm	Total length mm	Set size	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
3-piece CYL-5 concrete drill bit set								
5.0 6.0 8.0	50	100	A	2 608 588 164	P1k	3	5	690546



CYL-5 concrete drill bit sets



Set size A:
156.5 x 69.5 x 23 mm

Product properties			Ordering information						
Diameter mm	Working length mm	Total length mm	Set size	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
5-piece Robust Line CYL-5 concrete drill bit set									
4.0	50	90	A	2 608 588 165	P1k	5	1	690553	
5.0	50	100							
6.0	50	100							
6.0	50	100							
8.0	50	100							

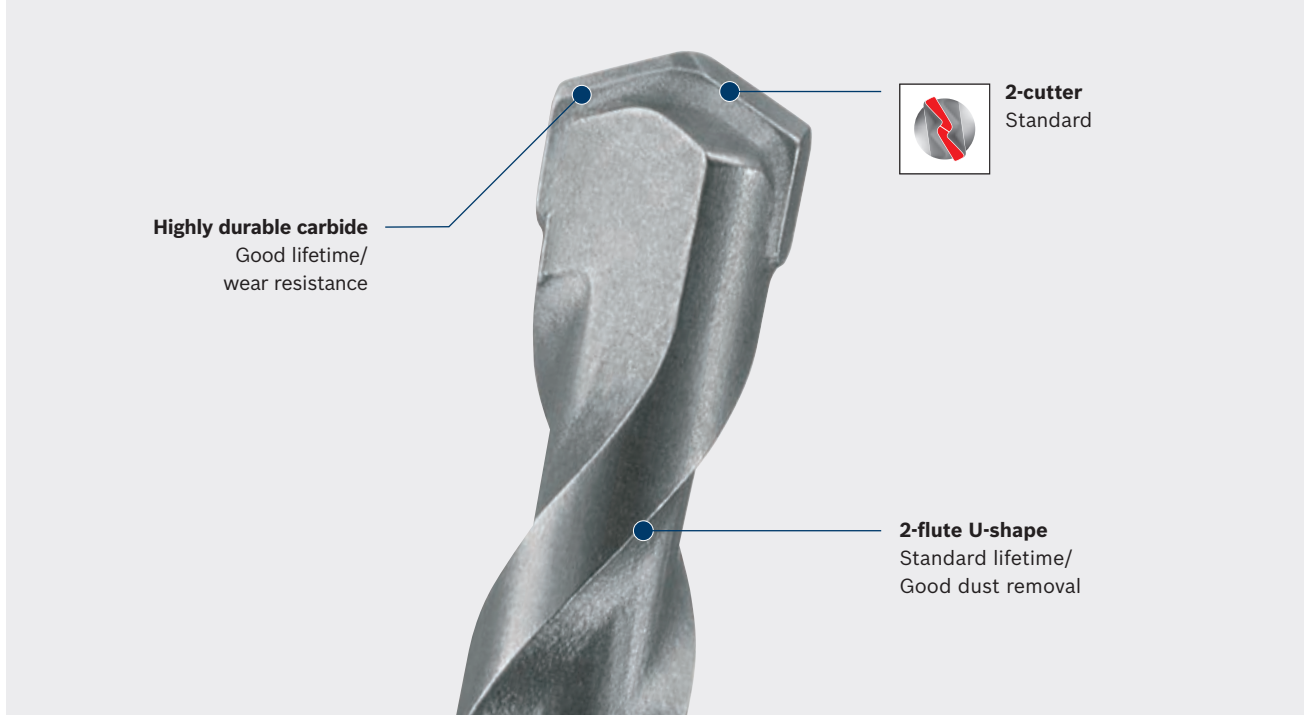


Set size D:
197.0 x 87.5 x 23 mm

7-piece Robust Line CYL-5 concrete drill bit set								
4.0	50	90	D	2 608 588 167	P1k	7	1	690577
5.0	50	100						
5.0	50	100						
6.0	50	100						
6.0	50	100						
8.0	50	100						
10.0	100	150						

CYL-3

Long life drilling in concrete



CYL-3 concrete drill bits

CYL-3

SILVER PERCUSSION

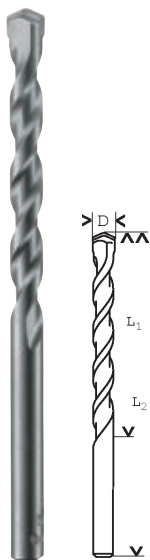


long
LIFE

fast
DRILL

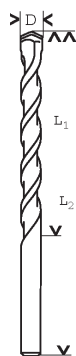


- ▶ Suitable for drilling holes in concrete, masonry and limestone
- ▶ Hammer resistant heavy duty drill bit, manufactured to ISO 5468, for all impact drills
- ▶ Suitable for drilling holes for fixings
- ▶ Drill bit colour: silver-grey, sand-blasted



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
Product properties			Ordering information				
Pack of 1							
3.0	40	70	2 608 597 655	PC1d	1	5	186674
3.5	40	70	2 608 585 225	PC1d	1	5	462266
4.0	40	75	2 608 597 656	PC1d	1	5	186681
4.5	40	75	2 608 597 657	PC1d	1	5	186698
5.0	50	85	2 608 597 658	PC1d	1	5	186704
5.0	90	150	2 608 597 677	PC1d	1	5	186896
5.5	50	85	2 608 597 659	PC1d	1	5	186711
5.5	90	150	2 608 597 678	PC1d	1	5	186902

CYL-3 concrete drill bits



Product properties		Ordering information					
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Pack of 1							
6.0	60	100	2 608 597 660	PC1d	1	5	186728
6.0	90	150	2 608 597 679	PC1d	1	5	186919
6.0	350	400	2 608 585 634	P1c	1	1	484428
6.5	60	100	2 608 597 661	PC1d	1	5	186735
6.5	90	150	2 608 597 680	PC1d	1	5	186926
6.5	350	400	2 608 597 689	P1c	1	1	187015
7.0	60	100	2 608 597 662	PC1d	1	5	186742
7.0	90	150	2 608 597 681	PC1d	1	5	186933
8.0	80	120	2 608 597 663	PC1d	1	5	186759
8.0	90	150	2 608 597 898	PC1d	1	5	212878
8.0	150	200	2 608 597 682	PC1d	1	5	186940
8.0	350	400	2 608 597 690	P1c	1	1	187022
9.0	80	120	2 608 597 664	PC1d	1	5	186766
10.0	80	120	2 608 597 665	PC1d	1	5	186773
10.0	90	150	2 608 597 899	PC1d	1	5	212885
10.0	150	200	2 608 597 683	PC1d	1	5	186957
10.0	250	300	2 608 597 685	P1c	1	1	186971
10.0	350	400	2 608 597 691	P1c	1	1	187039
10.0	550	600	2 608 597 698	P1c	1	1	187107
11.0	90	150	2 608 597 666	PC1d	1	5	186780
12.0	90	150	2 608 597 667	PC1d	1	5	186797
12.0	150	200	2 608 597 684	PC1d	1	5	186964
12.0	250	300	2 608 597 686	P1c	1	1	186988
12.0	350	400	2 608 597 692	P1c	1	1	187046
12.0	550	600	2 608 597 699	P1c	1	1	187114
13.0	90	150	2 608 597 668	PC1d	1	1	186803
13.0	250	300	2 608 597 687	P1c	1	1	186995
14.0	90	150	2 608 597 669	PC1d	1	1	186810
14.0	250	300	2 608 597 688	P1c	1	1	187008
14.0	350	400	2 608 597 693	P1c	1	1	187053
14.0	550	600	2 608 597 700	P1c	1	1	187121
15.0	100	160	2 608 597 670	P1c	1	1	186827
16.0	100	160	2 608 597 671	P1c	1	1	186834
16.0	350	400	2 608 597 694	P1c	1	1	187060
16.0	550	600	2 608 597 701	P1c	1	1	187138
18.0	100	160	2 608 597 672	P1c	1	1	186841
18.0	350	400	2 608 597 695	P1c	1	1	187077
18.0	550	600	2 608 597 702	P1c	1	1	187145
20.0	100	160	2 608 597 673	P1c	1	1	186858
20.0	350	400	2 608 597 696	P1c	1	1	187084
20.0	550	600	2 608 597 703	P1c	1	1	187152
22.0	100	160	2 608 597 674	P1c	1	1	186865
22.0	350	400	2 608 597 697	P1c	1	1	187091
25.0	100	160	2 608 597 675	P1c	1	1	186872



CYL-3 concrete drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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Pack of 3

4.0	40	75	2 608 597 704	P1c	3	1	187169
5.0	50	85	2 608 597 705	P1c	3	1	187176
6.0	60	100	2 608 597 706	P1c	3	1	187183
6.5	60	100	2 608 597 707	P1c	3	1	187190
7.0	60	100	2 608 597 708	P1c	3	1	187206

Pack of 10

4.0	40	75	2 608 597 713	COf	10	1	187251
4.5	40	75	2 608 597 714	COf	10	1	187268
5.0	50	85	2 608 597 715	COf	10	1	187275
6.0	60	100	2 608 597 716	COf	10	1	187282
6.5	60	100	2 608 597 717	COf	10	1	187299
7.0	60	100	2 608 597 718	COf	10	1	187305
8.0	80	120	2 608 597 719	COf	10	1	187312
10.0	80	120	2 608 597 720	COf	10	1	187329
12.0	90	150	2 608 597 721	COf	10	1	187336



CYL-3 concrete drill bit sets

Diameter mm	Working length mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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3-piece CYL-3 concrete drill bit set

5.0	50	85	2 608 597 709	COf	3	5	187213
6.0	60	100					
8.0	80	120					



CYL-3 concrete drill bit sets

Diameter mm	Working length mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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5-piece CYL-3 concrete drill bit set

4.0	40	75	2 607 017 080	P1k	5	4	601344
5.0	50	85					
6.0	60	100					
6.0	60	100					
8.0	80	120					
5.0	50	85	2 607 017 081	P1k	5	4	601351
5.5	50	85					
6.0	60	100					
7.0	60	100					
8.0	80	120					



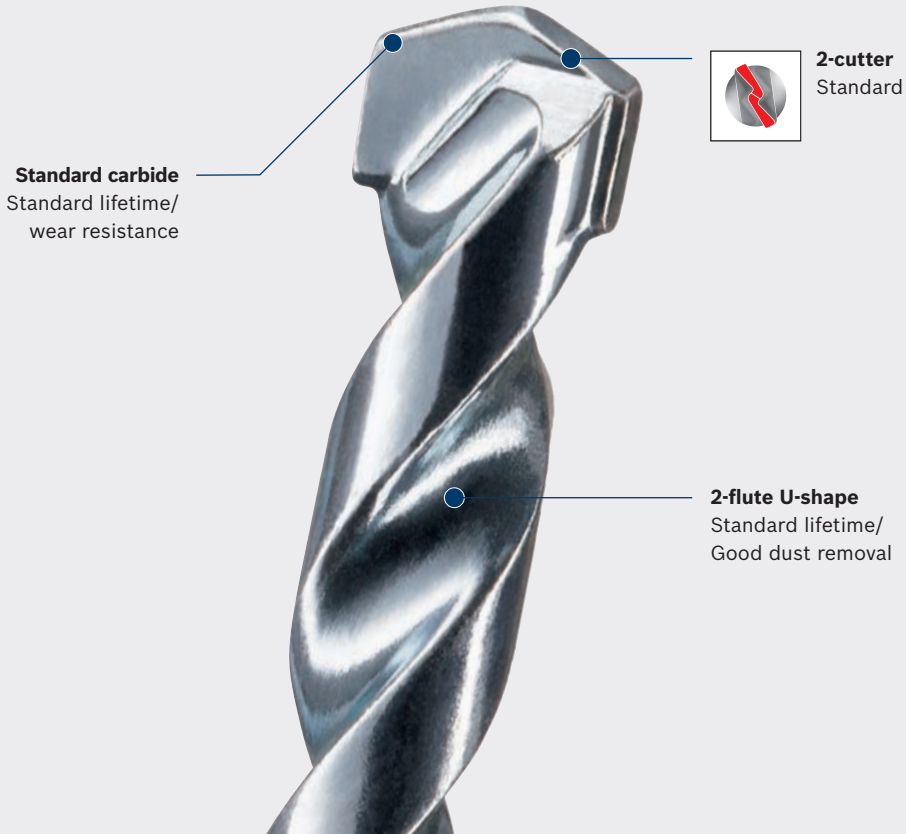
7-piece CYL-3 concrete drill bit set

4.0	40	75	2 607 017 082	P1k	7	4	601368
5.0	50	85					
6.0	60	100					
6.0	60	100					
7.0	60	100					
8.0	80	120					
10.0	80	120					
4.0	40	75	2 607 017 083	P1k	7	4	601375
5.0	50	85					
5.5	50	85					
6.0	60	100					
7.0	60	100					
8.0	80	120					
10.0	80	120					



CYL-1

Optimised drilling



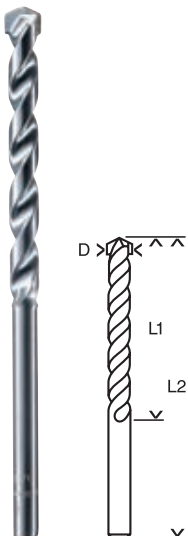
CYL-1 masonry drill bits

CYL-1

IMPACT

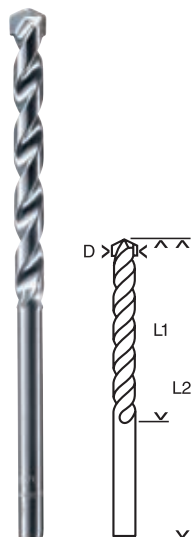


- ▶ **Suitable for** drilling holes in masonry and limestone
- ▶ Can be used with all impact drills
- ▶ Carbide tipped impact drill bit, manufactured to ISO 5468
- ▶ Drill bit colour: silver-grey



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 31 651 40...
Product properties		Ordering information					
3.0	30	60	2 608 596 125	PC1d	1	5	045599
3.5	40	75	2 608 596 126	PC1d	1	5	045605
4.0	40	75	1 609 200 205	PC1d	1	5	004268
4.5	50	85	2 608 596 127	PC1d	1	5	045612
5.0	50	85	1 609 200 206	PC1d	1	5	004275
5.0	90	150	2 608 596 128	PC1d	1	5	045629
5.5	50	85	2 608 596 129	PC1d	1	5	045636
5.5	90	150	2 608 596 130	PC1d	1	5	045643

CYL-1 masonry drill bits



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties			Ordering information				
6.0	60	100	1 609 200 207	PC1d	1	5	004282
6.0	90	150	2 608 596 357	PC1d	1	5	059633
6.0	150	200	2 608 596 143	PC1d	1	5	045773
6.0	250	300	2 608 596 358	P1c	1	1	059640
6.0	350	400	2 608 586 276	P1c	1	1	529112
6.5	60	100	2 608 596 131	PC1d	1	5	045650
6.5	90	150	2 608 596 359	PC1d	1	5	059657
6.5	350	400	2 608 596 361	P1c	1	1	059671
7.0	60	100	2 608 596 132	PC1d	1	5	045667
7.0	90	150	2 608 596 362	PC1d	1	5	059688
7.0	350	400	2 608 596 364	P1c	1	1	059701
8.0	80	120	1 609 200 209	PC1d	1	5	004299
8.0	90	150	2 608 596 365	PC1d	1	5	059718
8.0	150	200	2 608 596 145	PC1d	1	5	045797
8.0	250	300	2 608 596 366	P1c	1	1	059725
8.0	350	400	2 608 596 151	P1c	1	1	046053
9.0	80	120	2 608 596 134	PC1d	1	5	045681
10.0	80	120	1 609 200 210	PC1d	1	5	004305
10.0	90	150	2 608 596 368	PC1d	1	5	059749
10.0	150	200	2 608 596 148	PC1d	1	5	046022
10.0	250	300	2 608 596 369	P1c	1	1	059756
10.0	350	400	1 609 200 212	P1c	1	1	004312
11.0	90	150	2 608 596 135	PC1d	1	5	045698
12.0	90	150	2 608 596 136	PC1d	1	5	045704
12.0	150	200	2 608 596 149	PC1d	1	5	046039
12.0	250	300	2 608 597 041	P1c	1	1	078825
12.0	350	400	1 609 200 213	P1c	1	1	004329
13.0	90	150	2 608 596 137	PC1d	1	1	045711
13.0	350	400	2 608 597 043	P1c	1	1	078849
14.0	90	150	2 608 596 138	PC1d	1	1	045728
14.0	150	200	2 608 596 150	PC1d	1	1	046046
14.0	250	300	2 608 597 044	P1c	1	1	078856
14.0	350	400	2 608 596 152	P1c	1	1	046060
15.0	90	150	2 608 596 139	P1c	1	1	045735
15.0	350	400	2 608 597 047	P1c	1	1	078887
16.0	90	150	2 608 596 140	P1c	1	1	045742
16.0	250	300	2 608 597 048	P1c	1	1	078894
16.0	350	400	2 608 597 049	P1c	1	1	078900
18.0	100	160	2 608 596 141	P1c	1	1	045759
18.0	250	300	2 608 597 051	P1c	1	1	078924
18.0	350	400	2 608 597 052	P1c	1	1	078931
20.0	100	160	2 608 596 142	P1c	1	1	045766
20.0	250	300	2 608 597 054	P1c	1	1	078955
20.0	350	400	2 608 597 055	P1c	1	1	078962



CYL-1 masonry drill bit sets



Product properties			Ordering information					
Diameter mm	Working length mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
3-piece CYL-1 masonry drill bit set								
5.0	50	85	1 609 200 204	P1h	3	5	004251	
6.0	60	100						
8.0	80	120						



7-piece CYL-1 masonry drill bit set							
3.0	30	60	2 607 017 079	P1k	7	4	601337
4.0	40	75					
5.0	50	85					
6.0	60	100					
6.0	60	100					
7.0	60	100					
8.0	80	120					
3.0	30	60	2 607 017 035	P1k	7	4	557368
4.0	40	75					
5.0	50	85					
5.5	50	85					
6.0	60	100					
7.0	60	100					
8.0	80	120					

Set for working in metal, wood, stone



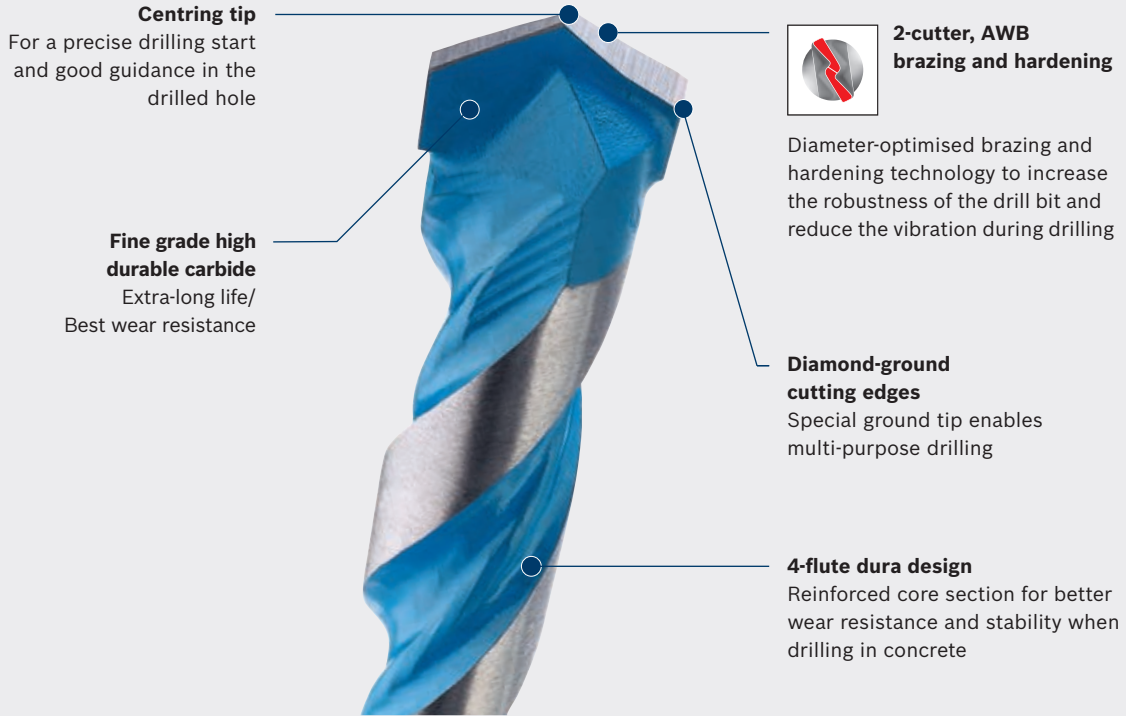
Product properties			Ordering information				
Diameter, metal mm	Diameter, stone mm	Diameter, wood mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
13-piece metal, wood, masonry bit set							
2.0	4.0	4.0	2 607 018 367	P1k	13	1	061230
2.5	5.0	5.0					
3.0	6.0	6.0					
4.0	8.0						
5.0							
6.0							



15-piece mixed drill bit set							
3.0	3.0	3.0	2 607 017 038	P1k	15	1	557399
4.0	4.0	4.0					
5.0	5.0	5.0					
6.0	6.0	6.0					
8.0	8.0	8.0					

CYL-9 MultiConstruction

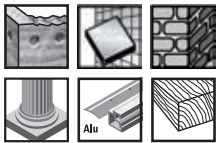
Drilling in all kinds of materials



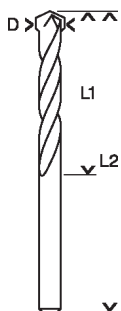
CYL-9 Multi Construction multi-purpose drill bits

CYL-9 MultiConstruction

MULTI CONSTRUCTION



- **Suitable** for practically all materials in interior fitting work, e.g. concrete, masonry, brick, eternit, light building materials, multi-layer materials, ceramics and tiles, wood, plastic, sheet metals, aluminium
- Perfect results when drilling with or without impact
- Drill bit colour: blue, polished



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
Product properties			Ordering information				
Pack of 1							
3.0	40	70	2 608 595 359	PC1d	1	5	328753
3.0	80	130	2 608 588 196	PC1d	1	5	693158
3.5	40	70	2 608 588 197	PC1d	1	5	693165
3.5	80	130	2 608 588 198	PC1d	1	5	693172
4.0	40	75	2 608 596 050	PC1d	1	5	044790
4.0	80	130	2 608 588 199	PC1d	1	5	693189
5.0	50	85	2 608 596 051	PC1d	1	5	044806
5.0	90	150	2 608 588 200	PC1d	1	5	693196

CYL-9 Multi Construction multi-purpose drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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Pack of 1

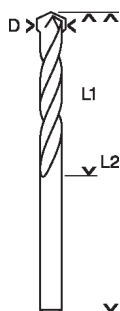
5.5	50	85	2 608 596 052	PC1d	1	5	044813
5.5	100	150	2 608 588 201	PC1d	1	5	693202
6.0	60	100	2 608 596 053	PC1d	1	5	044820
6.0	90	150	2 608 596 060	PC1d	1	5	044899
6.0	200	250	2 608 595 506	PC1d	1	1	366465
6.0	350	400	2 608 588 202	P1c	1	1	693219
6.5	60	100	2 608 596 059	PC1d	1	5	044837
6.5	90	150	2 608 596 061	PC1d	1	5	044905
6.5	200	250	2 608 595 507	PC1d	1	1	366472
7.0	60	100	2 608 596 054	PC1d	1	5	044844
7.0	90	150	2 608 596 076	PC1d	1	5	046978
7.0	200	250	2 608 595 508	PC1d	1	1	366489
8.0	80	120	2 608 596 055	PC1d	1	5	044851
8.0	90	150	2 608 585 223	PC1d	1	5	462242
8.0	200	250	2 608 596 062	PC1d	1	1	044912
8.0	350	400	2 608 595 361	P1c	1	1	328777
9.0	80	120	2 608 596 056	PC1d	1	5	044868
10.0	80	120	2 608 596 057	PC1d	1	5	044875
10.0	90	150	2 608 585 224	PC1d	1	5	462259
10.0	200	250	2 608 596 063	PC1d	1	1	044929
10.0	350	400	2 608 588 203	P1c	1	1	693226
11.0	90	150	2 608 595 360	PC1d	1	5	328760
12.0	90	150	2 608 596 058	PC1d	1	5	044882
12.0	200	250	2 608 596 064	PC1d	1	1	044936
12.0	350	400	2 608 588 204	P1c	1	1	693233
14.0	150	200	2 608 588 205	PC1d	1	1	693240
14.0	200	250	2 608 596 065	PC1d	1	1	044943
14.0	350	400	2 608 588 206	P1c	1	1	693257
16.0	150	200	2 608 588 207	P1c	1	1	693264
16.0	350	400	2 608 588 208	P1c	1	1	693271
18.0	150	200	2 608 588 209	P1c	1	1	693288
18.0	350	400	2 608 588 210	P1c	1	1	693295
20.0	150	200	2 608 588 211	P1c	1	1	693301
20.0	350	400	2 608 588 212	P1c	1	1	693318

Pack of 10

4.0	40	75	2 608 587 146	P1a	10	1	587594
5.0	50	85	2 608 587 147	P1a	10	1	587600
5.5	50	85	2 608 587 148	P1a	10	1	587617
6.0	60	100	2 608 587 149	P1a	10	1	587624
6.5	60	100	2 608 587 150	P1a	10	1	587631
7.0	60	100	2 608 587 151	P1a	10	1	587648
8.0	80	120	2 608 587 152	P1a	10	1	587655

Pack of 8

10.0	80	120	2 608 587 153	P1a	8	1	587662
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CYL-9 Multi Construction multi-purpose drill bit sets



Set size A:
156.5 x 69.5 x 23 mm

Product properties			Ordering information						
Diameter mm	Working length mm	Total length mm	Set size	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
4-piece Robust Line CYL-9 Multi Construction multi-purpose drill bit set									
4.0	40	75	A	2 607 010 521	P1k	4	1	446051	
5.0	50	85							
6.0	60	100							
8.0	80	120							
5.5	50	85	A	2 607 010 522	P1k	4	1	446068	
6.0	60	100							
7.0	60	100							
8.0	80	120							

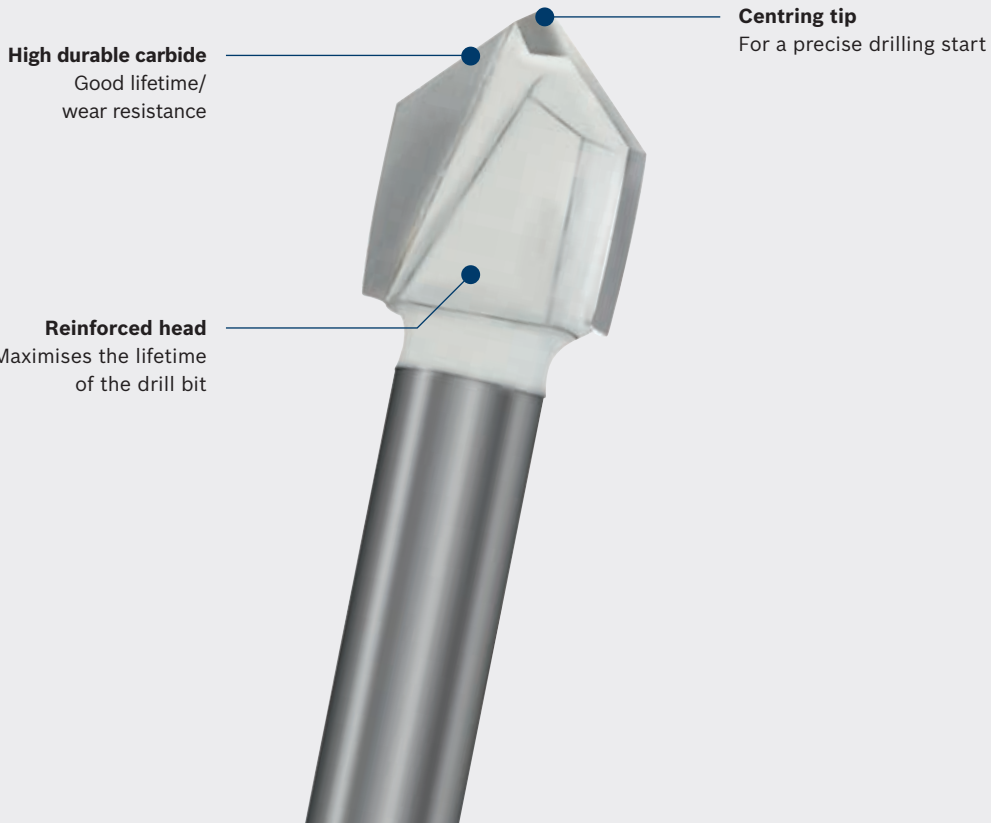


Set size D:
197.0 x 87.5 x 23 mm

7-piece Robust Line CYL-9 Multi Construction multi-purpose drill bit set								
4.0	40	75	D	2 607 010 543	P1k	7	1	446273
5.0	50	85						
6.0	60	100						
6.0	60	100						
8.0	80	120						
10.0	80	120						
12.0	90	150						
5.0	50	85	D	2 607 010 546	P1k	7	1	446303
5.5	50	85						
6.0	60	100						
6.0	60	150						
7.0	60	150						
8.0	80	150						
10.0	80	150						

CYL-9 Ceramic

Drilling in soft and medium density tiles



CYL-9 Ceramic tile drill bits

CYL-9 Ceramic ▶ **Suitable for** all soft to medium density tiles, porcelain, ceramics and non-toughened glass

expert Ceramic



- ▶ Drill bit colour: white
- ▶ **Note:** Use with low speeds and without impact. No cooling required



Diameter (D) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3168140...
Product properties		Ordering information				
3.0	70	2 608 587 157	PC1a	1	5	599184
4.0	70	2 608 587 158	PC1a	1	5	599191
5.0	70	2 608 587 159	PC1a	1	5	599207
5.5	70	2 608 587 160	PC1a	1	5	599214
6.0	80	2 608 587 161	PC1a	1	5	599221
6.5	80	2 608 587 162	PC1a	1	5	599238

CYL-9 Ceramic tile drill bits

Diameter (D) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
7.0	80	2 608 587 163	PC1a	1	5	599245
8.0	80	2 608 587 164	PC1a	1	5	599252
10.0	90	2 608 587 165	PC1a	1	5	599269
12.0	90	2 608 587 166	PC1a	1	5	599276
14.0	90	2 608 587 167	PC1a	1	5	599283
16.0	90	2 608 587 168	PC1a	1	5	599290





5-piece CYL-9 Ceramic tile drill bit sets



Diameter mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
5-piece CYL-9 Ceramic tile drill bit set						
4.0	70	2 608 587 169	P1k	5	1	599306
5.0	70					
6.0	80					
8.0	80					
10.0	90					
5.5	70	2 608 587 170	P1k	5	1	599863
6.0	80					
7.0	80					
8.0	80					
10.0	90					

SDS-plus shank



New product Old product	SDS-plus-5 S4L	SDS-plus-7 X5L & Speed X	SDS-plus-9 RebarCutter	SDS-plus-9 CoreCutter
				
Lifetime	●●●	●●●●●	●●	●●●●●
Speed	●●●●	●●●●●	●●●	●●●●●
Drilling dust removal	●●●●	●●●●●	●●	●●
Tip	activeteq	activeteq		
	Wear indicator	Wear indicator	Ventilation hole	
	Carbide relief grooves			
Cutters	AWB brazing and hardening	5-cutter solid carbide head, diffusion bonding technology	Carbide teeth	Asymmetric carbide teeth
	2-cutter			
Carbide	Long-life carbide	Long-life carbide with extremely fine grain	Long-life carbide	Long-life carbide with extremely fine grain
Flute	4-flute turbo design	2 + 2 flute design	2 + 2 flute design	
		Unique flute design		

User-friendly drilling

3 times longer lifetime and higher precision

Rebar

For switch boxes

●/●● = good

●●●/●●●● = better

●●●●● = best

SDS-plus-7

3x lifetime and precise drilling even in rebar

activeteq
Active centring tip for active cutting in concrete



Fine grade high durable carbide
Long lifetime/
Best wear resistance

Wear mark



The visibility of the wear mark indicates if the diameter of the hole is still in tolerance for metal anchor setting

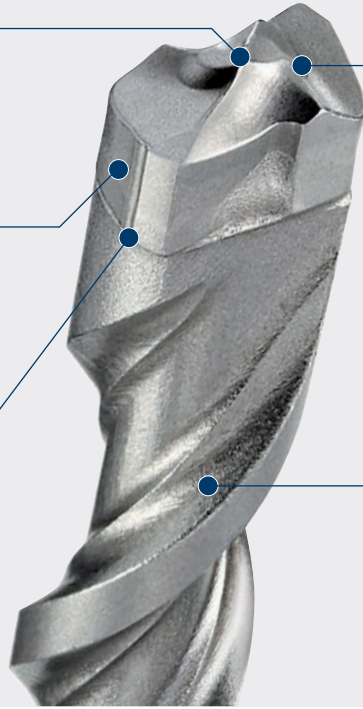


5-cutter full head carbide, diffusion bonding technology

Shaped cutters for highest demolition force, exceptional lifetime and best wear resistance. No jamming in rebar

2 + 2 flute design

Vibration-optimised flute design for the best power transfer and speed

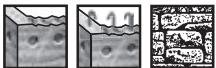


SDS-plus-7 hammer drill bits

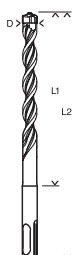
SDS-plus-7 ▶ Suitable for masonry, concrete and reinforced concrete
▶ Appropriate for all rotary hammers with SDS-plus holder

X5L

Speed X



long LIFE x3 **fast DRILL**



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties			Ordering information				
Pack of 1							
5.0	50	110	2 608 585 023	P1e	1	1	439909
5.0	100	160	2 608 585 024	P1e	1	1	439916
5.0	150	210	2 608 585 025	P1e	1	1	439923
5.5	50	110	2 608 585 026	P1e	1	1	439930
5.5	100	160	2 608 585 027	P1e	1	1	439947
6.0	50	115	2 608 585 028	P1e	1	1	439954
6.0	100	165	2 608 585 029	P1e	1	1	439961
6.0	150	215	2 608 585 030	P1e	1	1	439978
6.0	200	265	2 608 585 031	P1e	1	1	439985

SDS-plus-7 hammer drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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Pack of 1

6.5	50	115	2 608 585 032	P1e	1	1	439992
6.5	100	165	2 608 585 033	P1e	1	1	440004
6.5	200	265	2 608 585 035	P1e	1	1	440028
6.5	250	315	2 608 587 171	P1e	1	1	604895
7.0	50	115	2 608 585 036	P1e	1	1	440035
7.0	100	165	2 608 585 037	P1e	1	1	440042
7.0	150	215	2 608 585 943	P1e	1	1	522175
8.0	50	115	2 608 585 038	P1e	1	1	440059
8.0	100	165	2 608 585 039	P1e	1	1	440066
8.0	150	215	2 608 585 040	P1e	1	1	440073
8.0	200	265	2 608 585 041	P1e	1	1	440080
8.0	250	315	2 608 587 172	P1e	1	1	604901
8.0	300	365	2 608 585 042	P1e	1	1	440097
8.0	400	465	2 608 585 043	P1e	1	1	440103
10.0	50	115	2 608 585 044	P1e	1	1	440110
10.0	100	165	2 608 585 045	P1e	1	1	440127
10.0	150	215	2 608 585 046	P1e	1	1	440134
10.0	200	265	2 608 585 047	P1e	1	1	440141
10.0	250	315	2 608 587 173	P1e	1	1	604918
10.0	300	365	2 608 585 048	P1e	1	1	440158
10.0	400	465	2 608 585 049	P1e	1	1	440165
12.0	100	165	2 608 585 050	P1e	1	1	440172
12.0	150	215	2 608 585 051	P1e	1	1	440189
12.0	200	265	2 608 585 052	P1e	1	1	440196
12.0	300	365	2 608 585 053	P1e	1	1	440202
12.0	400	465	2 608 585 054	P1e	1	1	440219
14.0	100	165	2 608 585 944	P1e	1	1	522182
14.0	150	215	2 608 585 945	P1e	1	1	522199
14.0	200	265	2 608 585 946	P1e	1	1	522205
14.0	300	365	2 608 585 947	P1e	1	1	522212
14.0	400	465	2 608 585 948	P1e	1	1	522229
15.0	100	165	2 608 587 178	P1e	1	1	605601
15.0	200	265	2 608 587 179	P1e	1	1	605618
16.0	150	215	2 608 587 180	P1e	1	1	605625
16.0	200	265	2 608 587 181	P1e	1	1	605632
16.0	400	465	2 608 587 182	P1e	1	1	605649
18.0	200	250	2 608 586 719	P1e	1	1	564434
18.0	400	450	2 608 586 720	P1e	1	1	564441
20.0	200	250	2 608 586 721	P1e	1	1	564458
20.0	400	450	2 608 586 722	P1e	1	1	564465
22.0	200	250	2 608 586 723	P1e	1	1	564472
22.0	400	450	2 608 586 724	P1e	1	1	564489
24.0	400	450	2 608 586 725	P1e	1	1	564496
25.0	400	450	2 608 586 726	P1e	1	1	564502
28.0	400	450	2 608 586 727	P1e	1	1	564519
30.0	400	450	2 608 586 728	P1e	1	1	564526



SDS-plus-7 hammer drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties			Ordering information				
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Pack of 10

5.0	50	110	2 608 585 055	P1a	10	1	440226
5.0	100	160	2 608 585 056	P1a	10	1	440233
5.5	100	160	2 608 585 057	P1a	10	1	440240
6.0	50	115	2 608 585 058	P1a	10	1	440257
6.0	100	165	2 608 585 059	P1a	10	1	440264
6.0	150	215	2 608 585 060	P1a	10	1	440271
6.5	100	165	2 608 585 061	P1a	10	1	440288
6.5	200	265	2 608 585 949	P1a	10	1	522236
6.5	250	315	2 608 587 174	P1a	10	1	604925
7.0	100	165	2 608 585 950	P1a	10	1	522243
7.0	150	215	2 608 585 951	P1a	10	1	522250
8.0	50	115	2 608 585 062	P1a	10	1	440295
8.0	100	165	2 608 585 063	P1a	10	1	440301
8.0	150	215	2 608 585 064	P1a	10	1	440318
8.0	200	265	2 608 587 175	P1a	10	1	604932
8.0	250	315	2 608 587 176	P1a	10	1	604949
10.0	100	165	2 608 585 065	P1a	10	1	440325
10.0	150	215	2 608 585 066	P1a	10	1	440332
10.0	200	265	2 608 585 067	P1a	10	1	440349
10.0	250	315	2 608 587 177	P1a	10	1	604956
12.0	100	165	2 608 585 068	P1a	10	1	440356
12.0	150	215	2 608 585 069	P1a	10	1	440363



Pack of 30

5.0	50	110	2 608 586 455	P0a	30	1	553773
5.0	100	160	2 608 586 456	P0a	30	1	553780
6.0	50	115	2 608 586 457	P0a	30	1	553797
6.0	100	165	2 608 586 458	P0a	30	1	553803
8.0	100	165	2 608 586 459	P0a	30	1	553810
8.0	150	215	2 608 586 460	P0a	30	1	553827
10.0	100	165	2 608 586 461	P0a	30	1	553834
10.0	150	215	2 608 586 462	P0a	30	1	553841
10.0	200	265	2 608 586 463	P0a	30	1	553858

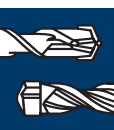


Pack of 25

12.0	100	165	2 608 586 464	P0a	25	1	553865
12.0	150	215	2 608 586 465	P0a	25	1	553872



Robust Line SDS-plus-7 hammer drill bit sets



Set size D:
197.0 x 87.5 x 23 mm

Product properties			Ordering information					
Diameter mm	Working length mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
5-piece Robust Line SDS-plus-7 hammer drill bit set								
5.0	50	110	2 608 585 073	P1k	5	1	440400	
6.0	50	115						
6.0	100	165						
8.0	100	165						
10.0	100	165						
5.5	100	165	2 607 019 933	P1k	5	1	517133	
6.0	100	165						
7.0	100	165						
8.0	100	165						
10.0	100	165						
6.0	100	165	2 607 019 932	P1k	5	1	517126	
6.0	100	165						
8.0	100	165						
8.0	100	165						
10.0	100	165						

SDS-plus-5

Smooth drilling without stalling and stopping

activeteq*
Active centring tip for active cutting in concrete



High durable carbide
Good lifetime/wear resistance

Wear mark



The visibility of the wear mark indicates if the hole diameter is still in tolerance for metal anchor setting

* Diameter ≤ 10 mm



2-cutter, AWB brazing and hardening

Diameter-optimised brazing and hardening technology to increase the robustness of the drill bit and reduce the vibration during drilling

Carbide relief grooves

Special V-shaped design for faster dust transportation into the flute in order to prevent clogging at the base of the drilled hole

4-flute turbo design

Patented 4-flute design to efficiently remove dust

SDS-plus-5 hammer drill bits

SDS-plus-5 S4L

- ▶ Suitable for masonry, concrete
- ▶ Appropriate for all rotary hammers with SDS-plus holder



Product properties			Ordering information				
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Pack of 1							
3.0	50	100	2 608 587 801	P1e	1	5	656436
3.0	100	160	2 608 587 802	P1e	1	5	656443
3.5	50	110	2 608 597 773	P1e	1	5	189057
3.5	100	160	2 608 585 596	P1e	1	5	483308
4.0	50	115	1 618 596 231	P1e	1	5	028073
4.0	100	165	2 608 597 774	P1e	1	5	189064

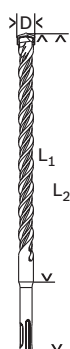
SDS-plus-5 hammer drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties | **Ordering information**

Pack of 1

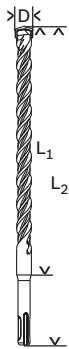
5.0	50	115	1 618 596 164	P1e	1	5	027724
5.0	100	165	1 618 596 189	P1e	1	5	027977
5.0	150	215	2 608 596 199	P1e	1	5	074391
5.0	200	265	2 608 585 597	P1e	1	5	483315
5.0	250	315	2 608 585 598	P1e	1	5	483322
5.0	400	465	2 608 585 599	P1e	1	1	483339
5.5	50	115	1 618 596 165	P1e	1	5	027731
5.5	100	165	2 608 596 146	P1e	1	5	045957
5.5	150	215	2 608 597 775	P1e	1	5	189071
5.5	200	265	2 608 597 776	P1e	1	5	189088
5.5	250	315	2 608 585 600	P1e	1	5	483346
5.5	400	465	2 608 585 601	P1e	1	1	483353
6.0	50	115	1 618 596 166	P1e	1	5	027748
6.0	100	165	1 618 596 167	P1e	1	5	027755
6.0	150	215	2 608 596 115	P1e	1	5	045148
6.0	200	265	2 608 597 777	P1e	1	5	189095
6.0	250	315	2 608 585 602	P1e	1	5	483360
6.0	400	465	2 608 585 603	P1e	1	1	483377
6.5	50	115	1 618 596 168	P1e	1	5	027762
6.5	100	165	1 618 596 169	P1e	1	5	027779
6.5	150	215	2 608 597 778	P1e	1	5	189101
6.5	200	265	2 608 597 779	P1e	1	5	189118
6.5	250	315	2 608 597 780	P1e	1	5	189125
6.5	400	465	2 608 587 830	P1e	1	1	656726
7.0	50	115	1 618 596 170	P1e	1	5	027786
7.0	100	165	1 618 596 171	P1e	1	5	027793
7.0	150	215	2 608 597 130	P1e	1	5	098588
7.0	200	265	2 608 587 834	P1e	1	5	656764
7.0	250	315	2 608 587 835	P1e	1	5	656771
7.0	400	465	2 608 587 836	P1e	1	1	656788
8.0	50	115	1 618 596 172	P1e	1	5	027809
8.0	100	165	1 618 596 173	P1e	1	5	027816
8.0	150	215	1 618 596 174	P1e	1	5	027823
8.0	200	265	1 618 596 264	P1e	1	5	028332
8.0	250	315	2 608 597 944	P1e	1	5	260237
8.0	400	465	2 608 596 116	P1e	1	1	045155
8.0	550	615	2 608 596 183	P1e	1	1	047593
8.5	100	165	2 608 585 604	P1e	1	5	483384
8.5	150	215	2 608 585 605	P1e	1	5	483391
8.5	200	265	2 608 587 846	P1e	1	5	656887
9.0	100	165	2 608 596 158	P1e	1	5	046381
9.0	150	215	1 618 596 175	P1e	1	5	027830
9.0	200	265	2 608 587 849	P1e	1	5	656917
10.0	50	115	1 618 596 176	P1e	1	5	027847
10.0	100	165	1 618 596 177	P1e	1	5	027854
10.0	150	215	1 618 596 265	P1e	1	5	028349
10.0	200	265	1 618 596 178	P1e	1	5	027861
10.0	250	315	1 618 596 315	P1e	1	5	046305
10.0	400	465	1 618 596 267	P1e	1	1	028363
10.0	550	615	2 608 596 117	P1e	1	1	045162
10.0	950	1005	2 608 597 122	P1e	1	1	098502



SDS-plus-5 hammer drill bits

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Pack of 1



11.0	100	165	1 618 596 179	P1e	1	5	027878
11.0	150	215	1 618 596 316	P1e	1	5	046312
11.0	200	265	1 618 596 180	P1e	1	5	027885
12.0	100	165	1 618 596 181	P1e	1	5	027892
12.0	150	215	1 618 596 268	P1e	1	5	028370
12.0	200	265	1 618 596 182	P1e	1	5	027908
12.0	250	315	2 608 597 782	P1e	1	5	189149
12.0	400	465	1 618 596 269	P1e	1	1	028387
12.0	550	615	1 618 596 224	P1e	1	1	028035
12.0	950	1005	2 608 597 123	P1e	1	1	098519
13.0	100	165	1 618 596 183	P1e	1	5	027915
13.0	150	215	1 618 596 318	P1e	1	5	046329
13.0	200	265	1 618 596 184	P1e	1	5	027922
14.0	100	165	1 618 596 185	P1e	1	5	027939
14.0	150	215	1 618 596 270	P1e	1	5	028394
14.0	200	265	1 618 596 186	P1e	1	5	027946
14.0	250	315	1 618 596 271	P1e	1	5	028400
14.0	400	465	2 608 596 118	P1e	1	1	045179
14.0	550	615	1 618 596 225	P1e	1	1	028042
14.0	950	1005	2 608 597 124	P1e	1	1	098526
15.0	100	165	1 618 596 187	P1e	1	5	027953
15.0	200	265	1 618 596 188	P1e	1	5	027960
15.0	400	465	1 618 596 257	P1e	1	1	028264
16.0	150	215	2 608 596 185	P1e	1	5	047616
16.0	200	265	2 608 585 607	P1e	1	5	483414
16.0	250	315	2 608 596 186	P1e	1	5	047623
16.0	400	465	1 618 596 259	P1e	1	1	028288
16.0	550	615	1 618 596 226	P1e	1	1	028059
16.0	950	1005	2 608 597 125	P1e	1	1	098533
17.0	150	215	1 618 596 203	P1e	1	1	027991
17.0	250	315	2 608 585 952	P1e	1	1	522267
17.0	400	465	2 608 585 953	P1e	1	1	522410
18.0	150	200	1 618 596 204	P1e	1	5	028004
18.0	250	300	1 618 596 319	P1e	1	1	046336
18.0	400	450	1 618 596 260	P1e	1	1	028295
18.0	550	600	2 608 596 120	P1e	1	1	045193
18.0	950	1000	2 608 597 126	P1e	1	1	098540
19.0	150	200	1 618 596 205	P1e	1	1	028011
19.0	250	300	1 618 596 320	P1e	1	1	046343
19.0	400	450	1 618 596 261	P1e	1	1	028301
20.0	150	200	1 618 596 207	P1e	1	1	028028
20.0	250	300	1 618 596 262	P1e	1	1	028318
20.0	400	450	1 618 596 263	P1e	1	1	028325
20.0	550	600	1 618 596 321	P1e	1	1	046350
20.0	950	1000	2 608 597 127	P1e	1	1	098557
22.0	200	250	1 618 596 232	P1e	1	1	028080
22.0	400	450	1 618 596 233	P1e	1	1	028097
22.0	550	600	2 608 596 123	P1e	1	1	045223
22.0	950	1000	2 608 597 128	P1e	1	1	098564
24.0	200	250	1 618 596 236	P1e	1	1	028127
24.0	400	450	1 618 596 237	P1e	1	1	028134



SDS-plus-5 hammer drill bits

Product properties			Ordering information				
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...

Pack of 1

25.0	200	250	1 618 596 238	P1e	1	1	028141
25.0	400	450	1 618 596 239	P1e	1	1	028158
25.0	550	600	2 608 587 910	P1e	1	1	657525
25.0	950	1000	2 608 597 129	P1e	1	1	098571
26.0	200	250	1 618 596 240	P1e	1	1	028165
26.0	400	450	1 618 596 241	P1e	1	1	028172

Pack of 10

3.5	50	110	2 608 585 608	P1a	10	1	483421
3.5	100	160	2 608 585 609	P1a	10	1	483438
4.0	50	115	2 608 585 610	P1a	10	1	483445
4.0	100	165	2 608 585 611	P1a	10	1	483452
5.0	50	115	2 608 585 612	P1a	10	1	483469
5.0	100	165	2 608 585 613	P1a	10	1	483476
5.5	50	115	2 608 585 614	P1a	10	1	483483
5.5	100	165	2 608 585 615	P1a	10	1	483490
6.0	50	115	2 608 585 616	P1a	10	1	483506
6.0	100	165	2 608 585 617	P1a	10	1	483513
6.0	150	215	2 608 585 618	P1a	10	1	483520
6.5	100	165	2 608 585 619	P1a	10	1	483537
6.5	150	215	2 608 585 620	P1a	10	1	483544
6.5	200	265	2 608 585 621	P1a	10	1	483551
7.0	100	165	2 608 585 622	P1a	10	1	483568
7.0	150	215	2 608 587 929	P1a	10	1	657716
8.0	100	165	2 608 585 623	P1a	10	1	483575
8.0	150	215	2 608 585 624	P1a	10	1	483582
8.0	200	265	2 608 585 625	P1a	10	1	483599
10.0	100	165	2 608 585 626	P1a	10	1	483605
10.0	150	215	2 608 585 627	P1a	10	1	483612
10.0	200	265	2 608 585 628	P1a	10	1	483629
12.0	100	165	2 608 585 629	P1a	10	1	483636
12.0	150	215	2 608 585 630	P1a	10	1	483643
12.0	200	265	2 608 585 631	P1a	10	1	483650



SDS-plus-5 hammer drill bit sets



Product properties			Ordering information					
Diameter mm	Working length mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
3-piece SDS-plus-5 hammer drill bit set								
5.0	50	110	1 617 000 118	P1c	3	5	011938	
6.0	50	110						
8.0	100	160						
6.0	100	160	1 617 000 117	P1c	3	5	015721	
8.0	100	160						
10.0	100	160						



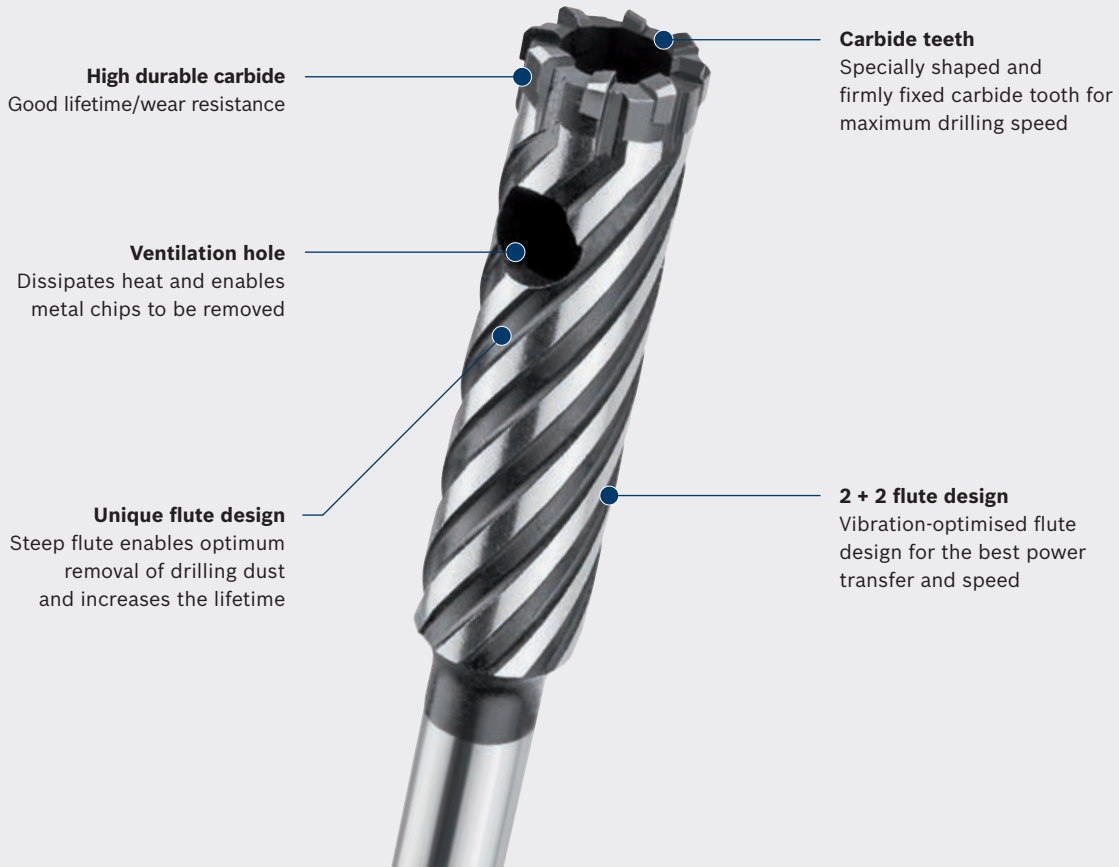
5-piece Robust Line SDS-plus-5 hammer drill bit set							
5.0	50	115	2 607 019 927	P1k	5	1	517072
6.0	50	115					
6.0	100	165					
8.0	100	165					
10.0	100	165					
5.5	100	165	2 607 019 929	P1k	5	1	517102
6.0	100	165					
7.0	100	165					
8.0	100	165					
10.0	100	165					
6.0	100	165	2 607 019 928	P1k	5	1	517089
6.0	100	165					
8.0	100	165					
8.0	100	165					
10.0	100	165					

Set size D:
197.0 x 87.5 x 23 mm



SDS-plus-9 RebarCutter

Especially designed for drilling in rebar

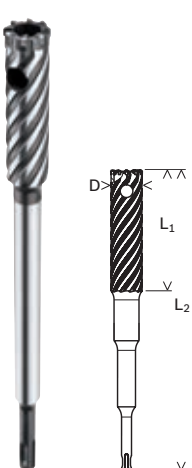


SDS-plus-9 Rebar Cutter

SDS-plus-9 RebarCutter ▶ **Suitable for** rebar in concrete



- ▶ For non-impact use in rotary hammers with SDS-plus holder
- ▶ Only cut through rebar if approval has been issued by a structural engineer
- ▶ Only use the Rebar Cutter without impact

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
Product properties		Ordering information					
16	120	300	2 608 586 994	P1h	1	1	576673
18	120	300	2 608 586 995	P1h	1	1	576680
20	120	300	2 608 586 996	P1h	1	1	576697
22	120	300	2 608 586 997	P1h	1	1	576703
25	120	300	2 608 586 998	P1h	1	1	576710
28	120	300	2 608 586 999	P1h	1	1	576727
32	120	300	2 608 587 100	P1h	1	1	576734

SDS-plus-9 CoreCutter

For switch boxes

Fine grade high durable carbide
Long lifetime/
Best wear resistance

Asymmetric carbide teeth
The number of cutters is adapted to the diameter



SDS-plus-9 Core Cutters

SDS-plus-9 CoreCutter ▶ Suitable for concrete, masonry and limestone

▶ For use with SDS-plus or hex shank



Diameter mm		Working length (L1) mm		Total length (L2) mm		Cutters, number		Part number		Packaging type		Pack quantity		Minimum order quantity		Barcode 3165140...	
Product properties				Ordering information													
25	50	72	4	2 608 550 612	P1e	1	1	605328									
30	50	72	6	2 608 550 613	P1e	1	1	605335									
35	50	72	6	2 608 550 614	P1e	1	1	605342									
40	50	72	6	2 608 550 074	P1e	1	1	084642									
50	50	72	6	2 608 550 075	P1e	1	1	084659									
68	50	72	6	2 608 550 076	P1e	1	1	084666									
82	50	72	6	2 608 550 077	P1e	1	1	084673									
90	50	72	6	2 608 550 615	P1e	1	1	605359									
100	50	72	6	2 608 550 616	P1e	1	1	605366									
112	50	72	6	2 608 550 617	P1e	1	1	605373									



Core cutter sets



Product properties				Ordering information					
Diameter mm	Working length (L1) mm	Total length (L2) mm	Cutters, number	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	

3-piece hex shank core cutter set with pilot drill bit and hex shank



66	50	75	6	2 608 550 088	PC1b	1	1	097420
80	50	75	6	2 608 550 089	PC1b	1	1	097437



3-piece SDS-plus core cutter set SDS-plus shank and pilot drill bit



68	60	75	6	2 608 550 064	PC1b	1	1	046206
82	60	75	6	2 608 550 065	PC1b	1	1	046213

Accessories for core cutters

Product properties			Ordering information				
Diameter/width across flats mm	Total length mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	

Hex shank for core cutters with M16



11	80	2 608 550 078	P1e	1	1	084680
11	220	2 608 598 109	P1e	1	1	096744

SDS-plus shank for core cutters with M16



-	105	2 608 550 057	P1e	1	1	046138
-	220	2 608 598 110	P1e	1	1	096751

Pilot drill bit for shank for hex adapter and SDS-plus







8	120	2 608 596 157	PC1d	1	5	046114
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SDS-plus shank for core cutters with M16, one-piece



-	175	2 608 598 046	P1e	1	1	332224
-	340	2 608 598 047	P1e	1	1	332231
-	440	2 608 598 048	P1e	1	1	332248

SDS-max shank

New product Old product	SDS-max-7 Speed X	SDS-max-9 BreakThrough	SDS-max-9 CoreCutter	SDS-max-9 NaturalStone RamX
				
Lifetime	●●●●	●●●	●●●●	●●●●●
Speed	●●●●●	●●●	●●●	●●●
Drilling dust removal	●●●●●	●●●●	●●	●●●●
Tip	activeteq			
	Wear indicator			
Cutters	4-cutter solid carbide, vacuum brazing and hardening	3-cutter, vacuum brazing and hardening	Asymmetric carbide teeth	2 main cutters 2 core pins
Carbide	Long-life carbide with extremely fine grain	Long-life carbide with extremely fine grain	Long-life carbide with extremely fine grain	Long-life carbide with extremely fine grain
Flute	2 + 2 flute design			2 + 2 flute design
		2-flute U-shape	Long shank 2-flute U-shape	



Fast drilling



For large holes



For switch boxes



Long lifetime
in natural stone

●/●● = good

●●●/●●●● = better

●●●●● = best

SDS-max-7

Highest drilling speed

activeteq
Active centring tip
for active cutting in
concrete



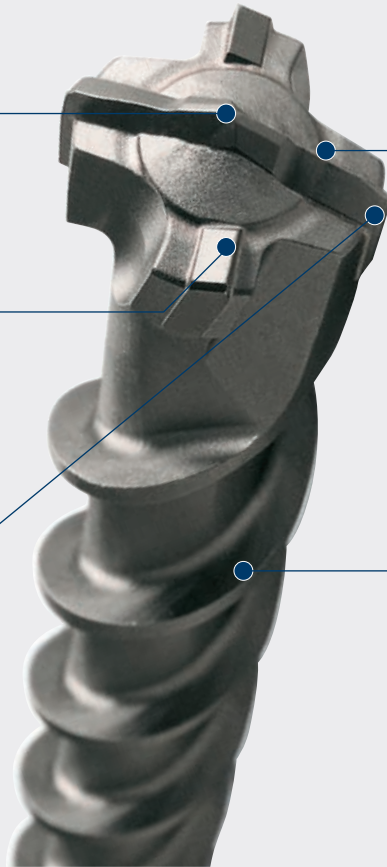
4-cutter; solid carbide
Extremely robust and aggressive solid
carbide S-cutter and inclined side
cutters for an aggressive drilling rate

Fine grade high durable carbide
Extra-long life/
Best wear resistance



The visibility of the wear mark
indicates if the hole
diameter is still in tolerance
for metal anchor setting

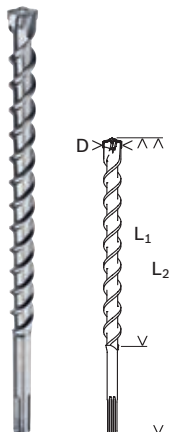
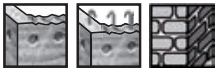
2 + 2 flute design
Vibration-optimised flute design for
the best power transfer and speed



SDS-max-7 hammer drill bits

SDS-max-7 ▶ Suitable for concrete and reinforced concrete, limestone, masonry
Speed X ▶ For use in rotary hammers with SDS-max holder

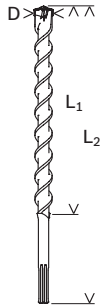
- ▶ Working lengths of 200, 400, 600, 800 and 1200 mm
- ▶ * 12 to 15 mm diameter bits are two-cutters
- ▶ Reusable packaging



Product properties			Ordering information				
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3168140...
12	200	340	2 608 586 738*	P1h	1	1	564625
12	400	540	2 608 586 739*	P1h	1	1	564632
12	600	740	2 608 586 740*	P1h	1	1	564649
12	800	940	2 608 586 741*	P1h	1	1	564656
14	200	340	2 608 586 744*	P1h	1	1	564687
14	400	540	2 608 586 745*	P1h	1	1	564694
14	600	740	2 608 586 746*	P1h	1	1	564700
14	800	940	2 608 586 747*	P1h	1	1	564717

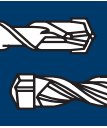
* Two-cutter

SDS-max-7 hammer drill bits



Diameter (D) mm		Working length (L1) mm		Total length (L2) mm		Part number		Packaging type		Pack quantity		Minimum order quantity		Barcode 3165140...	
Product properties				Ordering information											
15	200	340	2 608 586 749*	P1h	1	1	564731								
15	400	540	2 608 586 750*	P1h	1	1	564748								
16	200	340	2 608 586 751	P1h	1	1	564755								
16	400	540	2 608 586 752	P1h	1	1	564762								
16	600	740	2 608 586 753	P1h	1	1	564779								
16	800	940	2 608 586 754	P1h	1	1	564786								
16	1200	1340	2 608 586 755	P1h	1	1	564793								
17	200	340	2 608 586 756	P1h	1	1	564809								
17	400	540	2 608 586 757	P1h	1	1	564816								
18	200	340	2 608 586 758	P1h	1	1	564823								
18	400	540	2 608 586 759	P1h	1	1	564830								
18	600	740	2 608 586 760	P1h	1	1	564847								
18	800	940	2 608 586 761	P1h	1	1	564854								
18	1200	1340	2 608 586 762	P1h	1	1	564861								
19	200	320	2 608 586 763	P1h	1	1	564878								
19	400	520	2 608 586 764	P1h	1	1	565486								
20	200	320	2 608 586 765	P1h	1	1	565493								
20	400	520	2 608 586 766	P1h	1	1	565509								
20	600	720	2 608 586 767	P1h	1	1	565516								
20	800	920	2 608 586 768	P1h	1	1	565523								
20	1200	1320	2 608 586 769	P1h	1	1	565530								
22	200	320	2 608 586 770	P1h	1	1	565547								
22	400	520	2 608 586 771	P1h	1	1	565554								
22	600	720	2 608 586 772	P1h	1	1	565561								
22	800	920	2 608 586 773	P1h	1	1	565578								
22	1200	1320	2 608 586 774	P1h	1	1	565585								
24	200	320	2 608 586 775	P1h	1	1	565592								
24	400	520	2 608 586 776	P1h	1	1	565608								
25	200	320	2 608 586 777	P1h	1	1	565615								
25	400	520	2 608 586 778	P1h	1	1	565622								
25	600	720	2 608 586 779	P1h	1	1	565639								
25	800	920	2 608 586 780	P1h	1	1	565479								
25	1200	1320	2 608 586 781	P1h	1	1	565646								
26	200	320	2 608 586 782	P1h	1	1	565653								
26	400	520	2 608 586 783	P1h	1	1	565660								
28	200	320	2 608 586 784	P1h	1	1	565677								
28	400	520	2 608 586 785	P1h	1	1	565684								
28	600	720	2 608 586 786	P1h	1	1	565691								
28	800	920	2 608 586 787	P1h	1	1	565707								
28	1200	1320	2 608 586 788	P1h	1	1	565714								
30	200	320	2 608 586 789	P1h	1	1	565721								
30	400	520	2 608 586 790	P1h	1	1	565738								
32	200	320	2 608 586 791	P1h	1	1	565745								
32	400	520	2 608 586 792	P1h	1	1	565752								
32	600	720	2 608 586 793	P1h	1	1	565769								
32	800	920	2 608 586 794	P1h	1	1	565776								
32	1200	1320	2 608 586 795	P1h	1	1	565783								
35	400	520	2 608 586 796	P1h	1	1	565790								
35	600	720	2 608 586 797	P1h	1	1	565806								
35	800	920	2 608 586 798	P1h	1	1	565813								
35	1200	1320	2 608 586 799	P1h	1	1	565820								

* Two-cutter

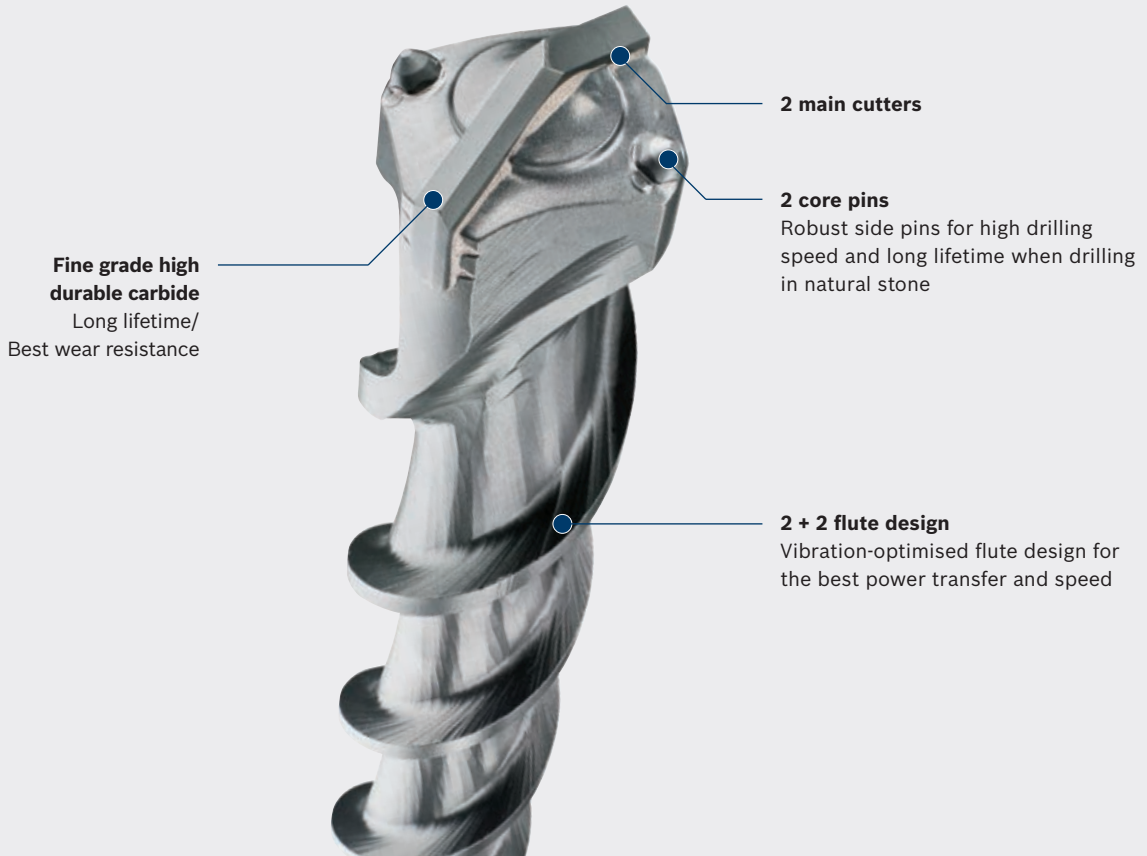


SDS-max-7 hammer drill bits

Product properties			Ordering information				
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
38	400	520	2 608 586 800	P1h	1	1	565462
38	600	720	2 608 586 801	P1h	1	1	565837
40	400	520	2 608 586 802	P1h	1	1	565844
40	600	720	2 608 586 803	P1h	1	1	565851
40	800	920	2 608 586 804	P1h	1	1	565868
40	1200	1320	2 608 586 805	P1h	1	1	565875
45	400	520	2 608 586 806	P1h	1	1	565882
52	400	520	2 608 586 807	P1h	1	1	565899

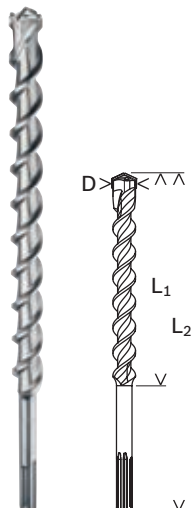
SDS-max-9 NaturalStone

Long lifetime drilling in natural stone



SDS-max-9 Natural Stone hammer drill bits

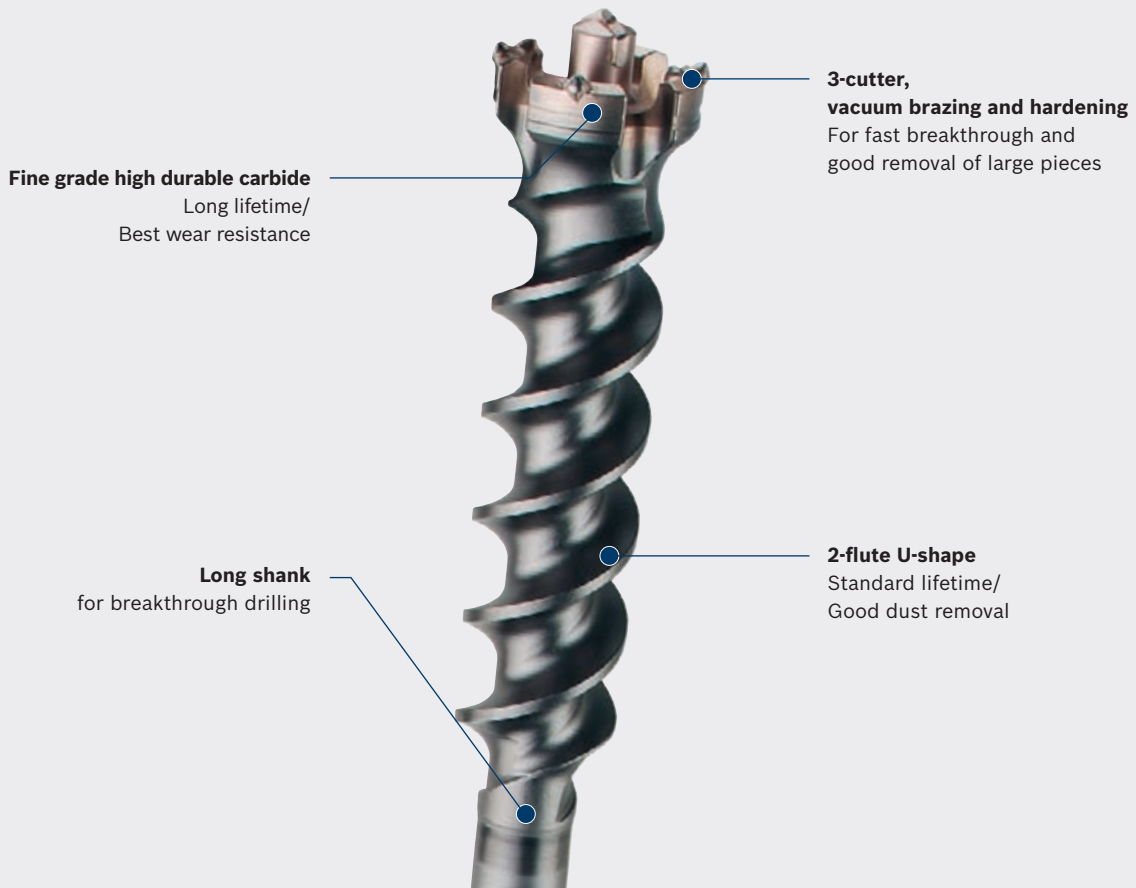
- SDS-max-9 NaturalStone ▶ Suitable for natural stone
- Ram X ▶ Reusable packaging



Product properties		Ordering information					
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
28	400	520	1 618 596 502	P1h	1	1	560115
28	600	720	1 618 596 503	P1h	1	1	560122
28	800	920	1 618 596 504	P1h	1	1	560139
32	400	520	1 618 596 505	P1h	1	1	560146
32	600	720	1 618 596 506	P1h	1	1	560153
32	800	920	1 618 596 507	P1h	1	1	560160

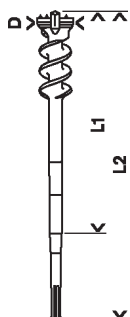
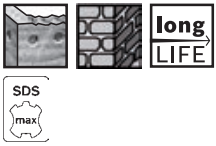
SDS-max-9 BreakThrough

For drilling large holes



SDS-max-9 Break Through drill bits

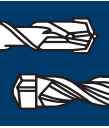
- SDS-max-9 BreakThrough**
- **Suitable for** breakthroughs with diameters from 45 mm to 80 mm in concrete, masonry, limestone, e.g. for fixing cables and pipes outside
 - One-piece tool, bell shaped head with asymmetrically positioned carbide pins and centre cutter
 - Large-volume spiral flute, tapered shank
 - **Note:** Always ensure you use hammer drills with suitable capacity for breakthrough drill bits to avoid overload. Observe the operating instructions of the rotary hammer



Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
45	450	600	1 618 596 455	P1e	1	1	021951
45	850	1000	1 618 596 456	P1e	1	1	021968
55	450	600	1 618 596 457	P1e	1	1	021975
55	850	1000	1 618 596 458	P1e	1	1	021982

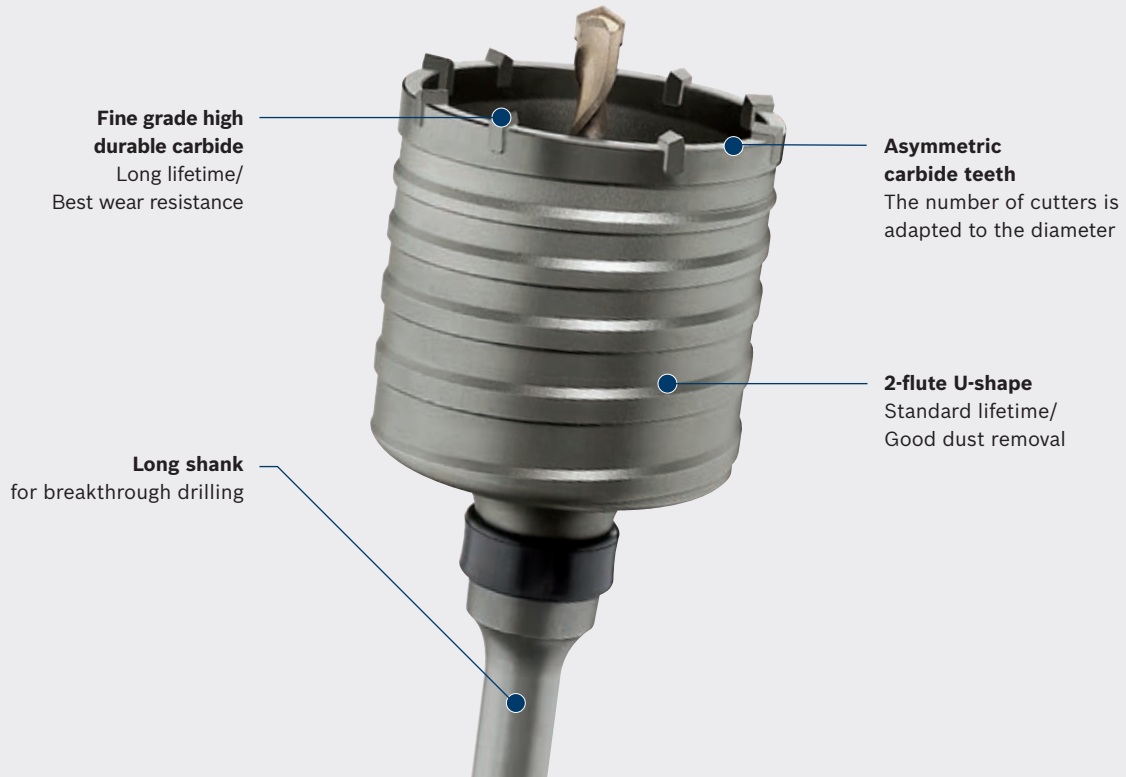
SDS-max-9 Break Through drill bits

Product properties			Ordering information					
Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
65	450	600	1 618 596 459	P1e	1	1	021999	
65	850	1000	1 618 596 460	P1e	1	1	022002	
80	450	600	1 618 596 461	P1e	1	1	022019	
80	850	1000	1 618 596 462	P1e	1	1	022026	



SDS-max-9 CoreCutter

For switch boxes

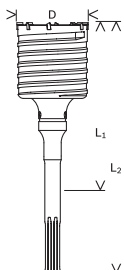
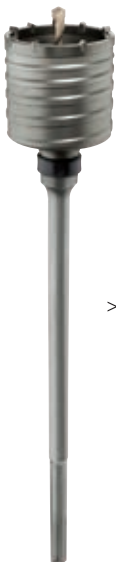


SDS-max-9 Core Cutters, one-piece

SDS-max-9 CoreCutter ▶ **Suitable for** concrete, masonry and limestone



- ▶ One-piece design guarantees optimum transfer of the machine's power
- ▶ Aggressive work progress and simultaneously very quiet during operation thanks to the asymmetric teeth arrangement

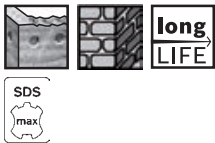


Diameter mm	Working length (L1) mm	Total length (L2) mm	Cutters, number	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
Product properties			Ordering information					
45	160	290	6	F 00Y 145 188	C2h	1	1	145510
45	420	550	6	F 00Y 145 189	C2h	1	1	145527
50	160	290	6	F 00Y 145 190	C2h	1	1	145534
50	420	550	6	F 00Y 145 191	C2h	1	1	145541
55	160	290	6	F 00Y 145 192	C2h	1	1	145558
55	420	550	6	F 00Y 145 193	C2h	1	1	145565
68	160	290	6	F 00Y 145 194	C2h	1	1	145572
68	420	550	6	F 00Y 145 195	C2h	1	1	145589

SDS-max-9 Core Cutters, one-piece

Product properties				Ordering information				
Diameter mm	Working length (L1) mm	Total length (L2) mm	Cutters, number	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
82	160	290	8	F 00Y 145 196	C2h	1	1	145596
82	420	550	8	F 00Y 145 197	C2h	1	1	145602
90	160	290	8	F 00Y 145 198	C2h	1	1	145619
90	420	550	8	F 00Y 145 199	C2h	1	1	145626
100	310	430	11	F 00Y 145 200	C2h	1	1	145633
125	310	430	11	F 00Y 145 201	C2h	1	1	145640
150	310	430	13	F 00Y 145 202	C2h	1	1	145657

SDS-max-9 Core Cutters, two-piece, with thread



► Suitable for concrete, masonry and limestone



Product properties				Ordering information				
Diameter mm	Working length (L1) mm	Cutters, number	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...	
45	80	6	2 608 580 518	C2h	1	1	557733	
50	80	6	2 608 580 519	C2h	1	1	557740	
55	80	6	2 608 580 520	C2h	1	1	557757	
68	80	6	2 608 580 521	C2h	1	1	557764	
82	80	8	2 608 580 522	C2h	1	1	557771	
90	80	8	2 608 580 523	C2h	1	1	557788	
100	80	11	2 608 580 524	C2h	1	1	557795	
125	80	11	2 608 580 525	C2h	1	1	557801	
150	80	13	2 608 580 526	C2h	1	1	557818	



Accessories for SDS-max core cutters

Diameter (D) mm	Working length (L1) mm	Total length (L2) mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties			Ordering information				

Adapter for two-piece SDS-max-9 Core Cutters



-	-	200	2 608 580 527	P1e	1	1	560030
-	-	460	2 608 580 528	P1e	1	1	560047

Pilot drill bit



11.5	84	136	F 00Y 145 203	P1c	1	1	145664
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Fixing set: fixing pin and rubber ring

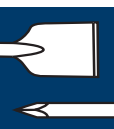
5	-	25	F 00Y 145 204	P0b	2	1	145671
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Chiselling

100% Bosch:

the new SDS-max RTec Sharp flat chisel and
SDS-max RTec Speed pointed chisel



The particularly long, self-sharpening cutting edge has been further enhanced:

- ▶ To remove more material in less time
- ▶ To keep a consistently high removal rate over the chisel's entire lifetime
- ▶ To work efficiently without downtimes and time-consuming resharping

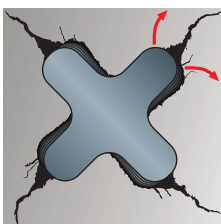
Increased power output

- ▶ No jamming
- ▶ Lifetime of 100 hours
- ▶ 30% higher material removal rate than standard pointed chisels

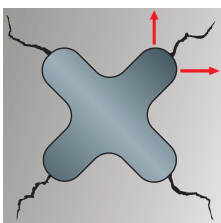
Double material removal rate

- ▶ 100% longer lifetime due to the new self-sharpening cutting edge. Therefore removes twice as much material

High blast power

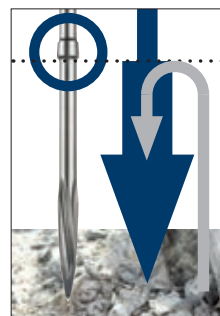


Bosch RTec Speed



Star Point

Additional impact energy



- ▶ The patented reflection element increases the power output: the recoil energy is converted into additional impact energy
- ▶ For an increase in material removal

The right chisel for any application

Bosch is a strong partner for specialist retailers thanks to its innovative, high-quality tools for working in concrete. With many years of experience in production, state-of-the-art manufacturing technologies and continual development work, Bosch stands for high quality with a power of innovation. Furthermore Bosch offers

the perfect solution for every application: chisels for all conventional shanks and all brands of rotary and demolition hammer. This gives specialist retailers an impressive alternative to the chisels offered in direct distribution.



SDS-plus for hammers < 5 joules For renovating and restoring

Page 61

Type	Application
Pointed chisel Flat chisel (targeted chiselling)	Adjustment work in masonry and concrete Restoring joints Clearing reinforcements
Spade chisel 40 and 60 mm	Removing roughcasting and layers of dirt Removing concrete residues from formwork boards Restoring steel
Tile chisel	Removing wall and floor tiles
Hollow gouging chisel	Cutting narrow channels in concrete
Winged gouging chisel with channel depth control	Cutting channels in masonry
Pointing chisel	Repointing bricks
Wood chisel	For general carpentry work



SDS-max for hammers < 25 joules For renovation, restoration, breakthroughs, mortising and demolition work

Page 63

Type	Application
Pointed chisel Flat chisel (targeted chiselling)	Mortising and demolition work in masonry and concrete Adjustment work in masonry and concrete Restoring joints Clearing reinforcements
Spade chisel 50 to 115 mm	Removing roughcasting and layers of dirt Removing concrete residues from formwork boards Restoring steel
Tile chisel	Removing wall and floor tiles
Hollow gouging chisel	Cutting narrow channels in concrete
Gouging chisel	Cutting channels in masonry
Winged gouging chisel with channel depth control	Cutting channels in masonry
Pointing chisel	Repointing bricks
Excavation chisel	Digging in hard, compacted soil

Type	Application
Asphalt cutter	Restoration of asphalt coverings
Earth rod driver	Driving in earth rods
Tamping plates	Compacting soil and gravel
Bush hammer heads	Roughing up concrete and asphalt

22 mm hexagon (HEX) appropriate for TE-S system

For breakthroughs, demolition work and correction work

Page 65

Type	Application
Pointed chisel Flat chisel (targeted chiselling)	Mortising and demolition work in masonry and concrete Adjustment work in masonry and concrete Restoring joints Clearing reinforcements
Spade chisel	Adjustment work in asphalt, masonry and concrete
Excavation chisel	Digging in hard, compacted soil
Earth rod driver	Driving in earth rods

Hex shank (HEX) 28 and 30 mm for hammers > 25 joules

For breakthroughs, mortising and demolition work

Page 65-67

Type	Application
Pointed chisel Flat chisel (targeted chiselling)	Mortising and demolition work in masonry and concrete Restoring joints Clearing reinforcements
Spade chisel	Adjustment work in asphalt, masonry and concrete
Excavation chisel	Digging in hard, compacted soil
Asphalt cutter	Restoration of asphalt coverings
Earth rod driver	Driving in earth rods
Tamping plates	Compacting soil and gravel

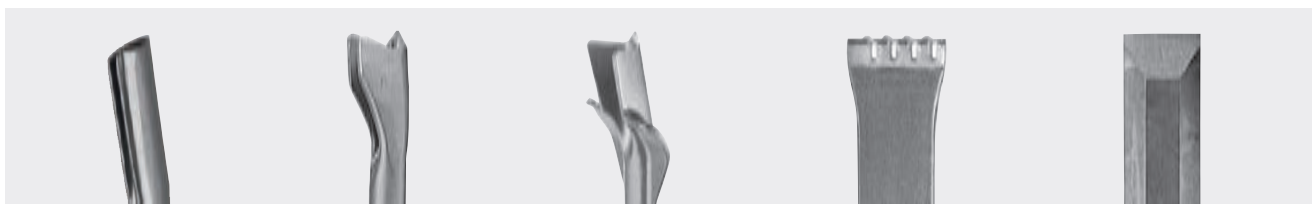


Pointed chisel

Flat chisel

Spade chisel

Tile chisel



Hollow gouging chisel

Gouging chisel

Winged gouging chisel

Pointing chisel

Wood chisel



Excavation chisel

Asphalt cutter

Earth rod driver

Tamping plate

Bush hammer head

Bosch offers the right chisel

for every conventional rotary and demolition hammer



<i>Supplier of rotary and demolition hammers</i>		<i>Machine model</i>
22 mm hexagon (HEX) for TE system		Page 65
Hilti	TE 805, TE 1000 AVR, TE 1500 AVR	
Hex shank WAF 19 with turned down collar		Page 66
AEG	PH 240 D, PH 350, PH 350 D, PHD 26, PH 38, PHD 38	
Atlas Copco	PB 10 H, PH 5 H, PH 11 H, PHE 50 H	
Black & Decker	HD 2032, HD 2038	
Bosch	11206, 11208, 11209, 11306, UBH 6/35, UBH 6/35 D, UBH 12/50, USH 6, GBH 7/45 DE	
ELU	BH 41 K, BH 41 EK, BH 46 EK	
Hitachi	DH 38 YF, DH 38 YA, DH 50 SB, DH 40 FA/FB	
Kango	430 S, 501 S, 637 S, 950 S, 950 KS, 950 XS, 978 S	
Makita	HR 3850 B, HR 3520 B, HR 4040 C, HR 5000, HM 0810 B, HM 1242 C, HM 1140 C	
Milwaukee	5311, 5312, 5316, 5317, 5347, 5348, 5352, 5353, PH 11 H, PH 40 H	
Ryobi	CH 465, 1138	
Hex shank WAF 19		Page 66
Atlas Copco	PB 14 D	
Bosch	USH 10 (11305), HSH 10 (12312)	
Casals	Tornado	
DeWalt	DW 558 K	
ELU	SH 60 K	
Hitachi	DH 50 SH 1	
Kango	638 S, 900 B, 900 S, 900 KS, 900 XS, 1400 B	
Makita	HM 1200 B	
Milwaukee	5335	
Ryobi	CH 486 K	
Spit	400	
Hex shank WAF 28		Page 67
Atlas Copco	PB 32 B	
Bosch	USH 27, GSH 16, GSH 27	
Hitachi	H 65 SD, H 70 SD, H 90 SE	
Makita	HM 1303 B, HM 1304 B, HM 1800, HM 1801, HM 1810	
Hex shank WAF 30		Page 68
Bosch	GSH 16-30	
Hitachi	H 65 SB, H 65 SB 2, H 70 SA	
Makita	HM 1300, HM 1303, HM 1304, HM 1400, HM 1500, 8900 N	
Ryobi	CH-500 K	

Chisels

for light rotary and demolition hammers



Chisels with SDS-plus shank



► For use with SDS-plus chisel attachment or directly in SDS-plus hammers with rotation stop



Product properties		Ordering information				
Total length mm	Chisel cutting edge mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3168140...

Pointed chisel, Long Life with 30% longer lifetime and 15% higher material removal rate



250	-	2 609 390 576	P1e	1	1	370936
250	-	2 607 019 051	C0a	5	1	293136

Flat chisel, Long Life with 30% longer lifetime and 15% higher material removal rate



250	20	2 609 390 394	P1e	1	1	308908
250	20	2 607 019 052	C0a	5	1	293143

Spade chisel, self-sharpening, Long Life with 30% higher material removal rate



250	40	2 608 690 101	P1e	1	1	425940
250	60	2 608 690 102	P1e	1	1	425957

Tile chisel, angled, self-sharpening, Long Life with 30% higher material removal rate



260	40	2 608 690 091	P1e	1	1	328012
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3-piece chisel set

1 pointed chisel 250 mm, Long Life (2 609 390 576)














1 flat chisel 250 mm, Long Life (2 609 390 394)

1 tile chisel 260 mm, self-sharpening (2 608 690 091)



250	20	2 607 019 159	P1c	3	1	334488
250	40					
260						

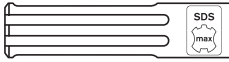
Chisels with SDS-plus shank

	Total length mm	Chisel cutting edge mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties							
Ordering information							
Pointed chisel							
	140	-	2 608 690 176	P1e	1	1	608398
	250	-	2 608 690 145	P1e	1	1	506489
	250	-	2 608 690 132	U0	10	1	462792
Pointed chisel for rotary hammers without rotation stop							
	250	-	1 618 600 005	P1e	1	1	006347
Flat chisel							
	140	20	2 608 690 177	P1e	1	1	608404
	250	20	2 608 690 144	P1e	1	1	506472
	250	20	2 608 690 131	U0	10	1	462785
Spade chisel							
	140	40	2 608 690 178	P1e	1	1	608411
	250	40	2 608 690 146	P1e	1	1	506496
	250	40	2 608 690 133	U0	5	1	462808
3-piece stubby chisel set							
Pointed chisel 140 mm							
Flat chisel 140 x 20 mm							
Spade chisel 140 x 40 mm							
	140	20	2 608 690 180	P1e	3	1	610681
	140	40					
	140						
Hollow gouging chisel							
	250	22	1 618 601 004	P1e	1	1	015844
Winged gouging chisel/Gouging chisel							
	250	22	2 608 690 007	P1e	1	1	086738
Pointing chisel, carbide-tipped							
	130	32	1 608 690 014	P1e	1	1	045803
	200	32	1 608 690 015	P1e	1	1	045810
Wood chisel							
	175	20	2 608 690 006	P1e	1	1	086721
Rod driver, 13 mm diameter							
	58	-	2 608 690 010	P1e	1	1	086769
MV 200 chisel attachment for Bosch hammers with SDS-plus holder, without Vario-Lock system							
	-	-	2 607 018 296	P1e	1	1	081276

Chisels

for heavy rotary and demolition hammers

Chisels with SDS-max shank



Total length mm	Chisel cutting edge mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...
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Product properties	Ordering information
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RTec Speed pointed chisel, self-sharpening with 30% higher material removal rate



400	-	2 608 690 167	P1e	1	1	533621
400	-	2 608 690 168	C0a	10	1	533638

RTec Sharp flat chisel, self-sharpening, Long Life with 100% higher material removal rate



400	25	2 608 690 124	P1e	1	1	460385
400	25	2 608 690 166	C0a	10	1	530200

Spade chisel, self-sharpening, Long Life with 30% higher material removal rate



350	50	2 608 690 097	P1e	1	2	397315
350	50	2 608 690 099	C0a	5	1	402996
400	80	2 608 690 198	P1e	1	1	670135
400	115	2 608 690 199	P1e	1	1	670142

Tile chisel, self-sharpening, Long Life with 30% higher material removal rate



300	50	2 608 690 098	P1e	1	1	397322
300	50	2 608 690 100	C0a	5	1	403009

Pointed chisel



280	-	1 618 600 023	P1e	1	1	047272
280	-	2 608 690 130	U0	10	1	462778
400	-	2 608 690 142	P1e	1	1	506458
400	-	2 608 690 128	U0	10	1	462754
600	-	1 618 600 012	P1e	1	1	022118
600	-	2 608 690 129	U0	5	1	462761

Flat chisel



280	25	1 618 600 210	P1e	1	1	047296
280	25	2 608 690 127	U0	10	1	462747
400	25	2 608 690 141	P1e	1	1	506441
400	25	2 608 690 125	U0	10	1	462723
600	25	1 618 600 203	P1e	1	1	022132
600	25	2 608 690 126	U0	5	1	462730

Spade chisel



400	50	2 608 690 143	P1e	1	1	506465
400	50	2 608 587 184	U0	5	1	605786
300	80	1 618 601 008	P1e	1	1	033398
350	115	1 618 601 007	P1e	1	1	022156

Chisels with 22 mm hex shank



► Appropriate for TE-S system



Total length mm	Chisel cutting edge mm	Dimensions mm	Number of teeth	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties			Ordering information					



Self-sharpening pointed chisel								
400	-	-	-	2 608 690 188	U0	1	1	670036



Self-sharpening flat chisel								
400	25	-	-	2 608 690 190	U0	1	1	670050



Self-sharpening spade chisel								
400	50	-	-	2 608 690 192	U0	1	1	670074
400	80	-	-	2 608 690 193	U0	1	1	670081
400	115	-	-	2 608 690 194	U0	1	1	670098



Excavation chisel								
400	125	-	-	2 608 690 195	U0	1	1	670104



Earth rod driver								
300	25	-	-	2 608 690 196	U0	1	1	670111

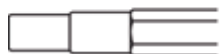


Toolholder for tamping plate								
300	-	-	-	2 608 690 197	U0	1	1	670128



Tamping plate for toolholder 1 618 609 003								
-	-	120 x 120	-	1 618 633 101	PC1c	1	1	029339

Chisels with 19 mm hex shank with turned down collar (17 mm diameter)



Total length mm	Chisel cutting edge mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
Product properties		Ordering information				

Pointed chisel



400	-	1 618 630 002	P0b	1	1	029063
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Flat chisel



400	22	1 618 630 003	P0b	1	1	029070
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Spade chisel



400	50	1 618 630 007	P0b	1	1	029117
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Chisels with 19 mm hex shank



Pointed chisel



300	-	1 618 630 000	P0b	1	1	029049
400	-	1 618 630 001	P0b	1	1	029056

Flat chisel



300	25	1 618 630 200	P0b	1	1	029193
400	25	1 618 630 201	P0b	1	1	029209

Spade chisel



450	60	1 618 631 001	P0b	1	1	029247
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Chisels

for breakers

Chisels with 28 mm hex shank



long
LIFE

Product properties			Ordering information				
Total length mm	Chisel cutting edge mm	Dimensions mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3163140...


Pointed chisel, self-sharpening

	400	-	-	2 608 690 106	U0	1	1	425995
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Pointed chisel

	520	-	-	1 618 600 019	U0	1	1	042543
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Flat chisel

	400	35	-	2 608 690 108	U0	1	1	426015
	520	35	-	1 618 600 206	U0	1	1	042550

Spade chisel

	400	80	-	1 618 661 000	U0	1	1	029414
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Asphalt cutter

	500	125	-	1 618 601 011	U0	1	1	042574
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Rounded spade chisel

	400	135	-	1 618 662 000	U0	1	1	029421
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Earth rod driver
for hammering in rods and rings up to 1" (25.4 mm) head diameter

	300	-	-	1 618 609 005	U0	1	1	042604
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Toolholder for tamping plates

	390	-	-	1 618 609 006	U0	1	1	042611
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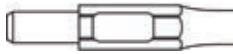
Tamping plate for toolholder 1 618 609 006 or 2 608 690 115
for compressing soil with a work surface of 225 cm² (1 618 633 104)
or 400 cm² (1 618 633 105)

	-	-	150 x 150	1 618 633 104	C0a	1	1	042628
	-	-	200 x 200	1 618 633 105	C0a	1	1	042635

Transport cart
Appropriate for USH/GSH 27 Professional

	-	-	-	1 610 795 007	C0a	1	1	042642
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Chisels with 30 mm hex shank




long
LIFE


Total length mm	Chisel cutting edge mm	Dimensions mm	Part number	Packaging type	Pack quantity	Minimum order quantity	Barcode 3165140...
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Product properties	Ordering information
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Pointed chisel, self-sharpening

	400	-	-	2 608 690 111	U0	1	1	426046
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Flat chisel

	400	35	-	2 608 690 112	U0	1	1	426053
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Spade chisel

	450	75	-	2 608 690 113	U0	1	1	426060
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Asphalt cutter

	450	125	-	2 608 690 114	U0	1	1	426077
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Spade chisel, rounded

	400	135	-	2 608 690 110	U0	1	1	426039
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Toolholder

	400	-	-	2 608 690 115	U0	1	1	426084
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Tamping plate for toolholder 1 618 609 006 or 2 608 690 115
for compressing soil with a work surface of 225 cm² (1 618 633 104)
or 400 cm² (1 618 633 105)



-	-	150 x 150	1 618 633 104	COa	1	1	042628
-	-	200 x 200	1 618 633 105	COa	1	1	042635

Part number index

Part number	Page	MOQ*	Part number	Page	MOQ*	Part number	Page	MOQ*	Part number	Page	MOQ*
1 608 690 014	62	1	1 618 596 462	51	1	2 608 580 519	53	1	2 608 585 618	40	1
1 608 690 015	62	1	1 618 596 502	49	1	2 608 580 520	53	1	2 608 585 619	40	1
1 609 200 204	26	5	1 618 596 503	49	1	2 608 580 521	53	1	2 608 585 620	40	1
1 609 200 205	24	5	1 618 596 504	49	1	2 608 580 522	53	1	2 608 585 621	40	1
1 609 200 206	24	5	1 618 596 505	49	1	2 608 580 523	53	1	2 608 585 622	40	1
1 609 200 207	25	5	1 618 596 506	49	1	2 608 580 524	53	1	2 608 585 623	40	1
1 609 200 209	25	5	1 618 596 507	49	1	2 608 580 525	53	1	2 608 585 624	40	1
1 609 200 210	25	5	1 618 600 005	62	1	2 608 580 526	53	1	2 608 585 625	40	1
1 609 200 212	25	1	1 618 600 012	63	1	2 608 580 527	54	1	2 608 585 626	40	1
1 609 200 213	25	1	1 618 600 019	67	1	2 608 580 528	54	1	2 608 585 627	40	1
1 610 795 007	67	1	1 618 600 023	63	1	2 608 585 023	33	1	2 608 585 628	40	1
1 617 000 117	41	5	1 618 600 203	63	1	2 608 585 024	33	1	2 608 585 629	40	1
1 617 000 118	41	5	1 618 600 206	67	1	2 608 585 025	33	1	2 608 585 630	40	1
1 618 596 164	38	5	1 618 600 210	63	1	2 608 585 026	33	1	2 608 585 631	40	1
1 618 596 165	38	5	1 618 601 004	62	1	2 608 585 027	33	1	2 608 585 634	21	1
1 618 596 166	38	5	1 618 601 007	63	1	2 608 585 028	33	1	2 608 585 943	34	1
1 618 596 167	38	5	1 618 601 008	63	1	2 608 585 029	33	1	2 608 585 944	34	1
1 618 596 168	38	5	1 618 601 011	67	1	2 608 585 030	33	1	2 608 585 945	34	1
1 618 596 169	38	5	1 618 601 017	64	1	2 608 585 031	33	1	2 608 585 946	34	1
1 618 596 170	38	5	1 618 601 019	64	1	2 608 585 032	34	1	2 608 585 947	34	1
1 618 596 171	38	5	1 618 601 101	64	1	2 608 585 033	34	1	2 608 585 948	34	1
1 618 596 172	38	5	1 618 601 102	64	1	2 608 585 035	34	1	2 608 585 949	35	1
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1 618 596 174	38	5	1 618 609 003	64, 65	1	2 608 585 037	34	1	2 608 585 951	35	1
1 618 596 175	38	5	1 618 609 005	67	1	2 608 585 038	34	1	2 608 585 952	39	1
1 618 596 176	38	5	1 618 609 006	67, 68	1	2 608 585 039	34	1	2 608 585 953	39	1
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1 618 596 231	37	5	2 607 017 035	26	2	2 608 585 060	35	1	2 608 586 727	34	1
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1 618 596 238	40	1	2 607 017 082	23	4	2 608 585 065	35	1	2 608 586 741	46	1
1 618 596 239	40	1	2 607 017 083	23	4	2 608 585 066	35	1	2 608 586 744	46	1
1 618 596 240	40	1	2 607 018 296	62	1	2 608 585 067	35	1	2 608 586 745	46	1
1 618 596 241	40	1	2 607 018 367	26	1	2 608 585 068	35	1	2 608 586 746	46	1
1 618 596 257	39	1	2 607 019 051	61	1	2 608 585 069	35	1	2 608 586 747	46	1
1 618 596 259	39	1	2 607 019 052	61	1	2 608 585 073	36	1	2 608 586 749	47	1
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1 618 596 319	39	1	2 608 550 078	44	1	2 608 585 608	40	1	2 608 586 764	47	1
1 618 596 320	39	1	2 608 550 088	44	1	2 608 585 609	40	1	2 608 586 765	47	1
1 618 596 321	39	1	2 608 550 089	44	1	2 608 585 610	40	1	2 608 586 766	47	1
1 618 596 455	50	1	2 608 550 612	43	1	2 608 585 611	40	1	2 608 586 767	47	1
1 618 596 456	50	1	2 608 550 613	43	1	2 608 585 612	40	1	2 608 586 768	47	1
1 618 596 457	50	1	2 608 550 614	43	1	2 608 585 613	40	1	2 608 586 769	47	1
1 618 596 458	50	1	2 608 550 615	43	1	2 608 585 614	40	1	2 608 586 770	47	1
1 618 596 459	51	1	2 608 550 616	43	1	2 608 585 615	40	1	2 608 586 771	47	1
1 618 596 460	51	1	2 608 550 617	43	1	2 608 585 616	40	1	2 608 586 772	47	1
1 618 596 461	51	1	2 608 580 518	53	1	2 608 585 617	40	1	2 608 586 773	47	1

*Minimum Order Quantity

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2 608 586 774	47	1	2 608 588 136	17	5	2 608 596 135	25	5	2 608 597 691	21	1
2 608 586 775	47	1	2 608 588 137	17	5	2 608 596 136	25	5	2 608 597 692	21	1
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2 608 586 777	47	1	2 608 588 139	17	5	2 608 596 138	25	1	2 608 597 694	21	1
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2 608 586 780	47	1	2 608 588 142	18	5	2 608 596 141	25	1	2 608 597 697	21	1
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*Minimum Order Quantity

Part number	Page	MOQ*
2 608 690 176	62	1
2 608 690 177	62	1
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2 608 690 179	64	1
2 608 690 180	62	1
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2 609 390 576	61	1
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F 00Y 145 200	53	1
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Date of production or packing

Encrypted month codes

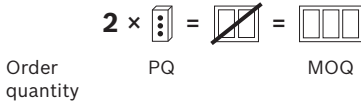
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March	583	683	783	883	983	003	103	203	303	419	519
April	584	684	784	884	984	004	104	204	304	420	520
May	585	685	785	885	985	005	105	205	305	453	553
June	586	686	786	886	986	006	106	206	306	454	554
July	587	687	787	887	987	007	107	207	307	455	555
August	588	688	788	888	988	008	108	208	308	456	556
September	589	689	789	889	989	009	109	209	309	457	557
October	590	690	790	890	990	010	110	210	310	458	558
November	591	691	791	891	991	011	111	211	311	459	559
December	592	692	792	892	992	012	112	212	312	460	560



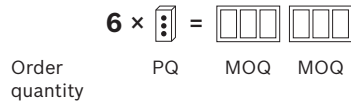
The Bosch ordering and packaging control system

The ordering and packaging control system makes it easier to order the right amount and find the packaging type at a glance.

Order quantities are rounded up to the minimum order quantity.



Order quantities must be a multiple of the minimum order quantity: 3, 6, 9, etc.



For example:

Step 1: The packaging type for each part number can be found on the product pages:



Ordering Information

2 608 585 780	P1p	1	1	511421
2 608 585 781	P1p	1	1	511438

Step 2: An illustration of the corresponding packaging type and specifications about the type of suspension and form of the packaging can be found on the back cover.



P1p Watchbox with Euro hole

P2p Watchbox with other type of suspension

Step 3: How is a packaging type designation structured?



1. There are six different material groups which are identified by the initial letter in the English designation:

- Packaging made of paper, cardboard or corrugated board (**C**ardboard)
- Plastic packaging (**P**lastic)
- Combined plastic/cardboard packaging (**P**lastic and **C**ardboard)
- Metal packaging (**M**etal)
- Unpacked product (**U**npacked)
- Wood packaging (**W**ood)

2. Each packaging has one of three different types of suspension:

- 0 without any type of suspension
- 1 with Euro hole
- 2 other type of suspension

3. In the six material groups, each form of packaging is identified by a lower case letter:

C Packaging made of paper, cardboard or corrugated board

- a Box
- b Folded carton
- c Pocket
- d Sleeve
- e Hanger
- f Paper bag
- h Tube
- k Carton with sleeve

P Plastic packaging

- a Box
- b Bag
- c Pouch
- d Bag with tab card
- e Hanger
- f Shrink-wrapped
- h Tube
- k Cassette
- n Sleeve
- p Watchbox

PC Combined plastic/cardboard packaging

- a Blister
- b Folding blister
- c Shrink-wrapped carton
- d Tight Pack

U Unpacked product

No form specifications

W Wood packaging

- a Case

Packaging

that conveys clear information

Packaging made of paper, cardboard or corrugated board (**C**ardboard)



C0a Box without any type of suspension



C0f Paper bag without any type of suspension



C0h Tube without any type of suspension



C2h Tube with other type of suspension

Combined plastic/cardboard packaging (**P**lastic and **C**ardboard)



PC1a Blister with Euro hole



PC1b Folding blister with Euro hole



PC1c Shrink-wrapped carton with Euro hole

Unpacked product (**U**npacked)



PC1d Tight Pack with Euro hole



U0 Without any type of suspension

Plastic packaging (Plastic)



P0a Box without any type of suspension

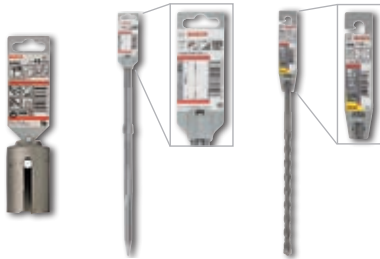
P1a Box with Euro hole



P0b Bag without any type of suspension



P1c Pouch with Euro hole



P1e Hanger with Euro hole



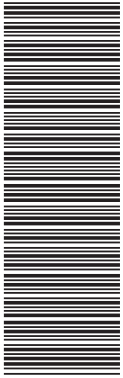
P1f Shrink-wrapped with Euro hole



P1h Tube with Euro hole



P1k Cassette with Euro hole



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