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**fischer** 

# Catalogue Drill bits





**“Innovative strength and technological competence strengthen our position at market.”**





# Foreword

## Dear partners,

precise drill holes are the basis for permanent fixing. Reliable, efficient and, depending on the product selected, approval-compliant, this is achieved with the help of our fischer drill bits. As a worldwide successful fixing specialist, we offer you an optimally coordinated programme for secure and economical connections in construction. From low-dust and precise drilling to fixing with steel anchors, chemical systems and nylon plugs, the range includes the right solution for any application.

Our programme contains the most suitable drill bits and chisels for all common building materials and fixing tasks. The range includes high-quality hammer drills for professionals, clever cylindrical shank drills for semi-professionals and do-it-yourselfers as well as durable standard and premium chisels. Our FHD hollow drill for common solid building materials also effectively removes drill dust from the drill hole. In this way, chemical and mechanical anchors achieve their assured load-bearing capacities and the user is protected from inhaling hazardous dusts. Our hammer drills ensure optimum power transmission and fast drilling progress in concrete, reinforced concrete and masonry. And our wide range of universal and special cylinder shank drills covers any building material. With our wide range of services, we support you in all your fixing projects.

Our sales representatives and application engineers guarantee personal and professional support. With our FiXperience design software and data for software applications (BIM and CAD file formats in 3D or 2D), we

support you in project planning. Digital services, such as our plug finder apps, simplify the selection and use of our products. With a wide range of online and face-to-face training courses from our fischer Academy, you can always stay up to date with the latest fixing solutions and regulations.

We hope you enjoy discovering and using our products!

**Johannes Konrad**  
Head of the Management Board





**“Whoever chooses fischer receives more than a range of safe products. The aim is to always develop the best solutions for our customers across the globe.”**

Besides the innovative products, this predominantly concerns support that is focused on the customer, and services designed to improve customer benefit.

## A brand and its promise to perform.

### Continious improvement

The fischer ProzessSystem (fPS) we ensure that we are adapting and optimising our processes in line with customer requirements in a flexible manner and on a continuous basis. Thus we are glad having been awarded with the 1. place “Excellence in Operations” within the challenging contest “Factory of the Year”.



Award 2015  
Excellence in  
Operations

### Safety that connects. Decisive quality.

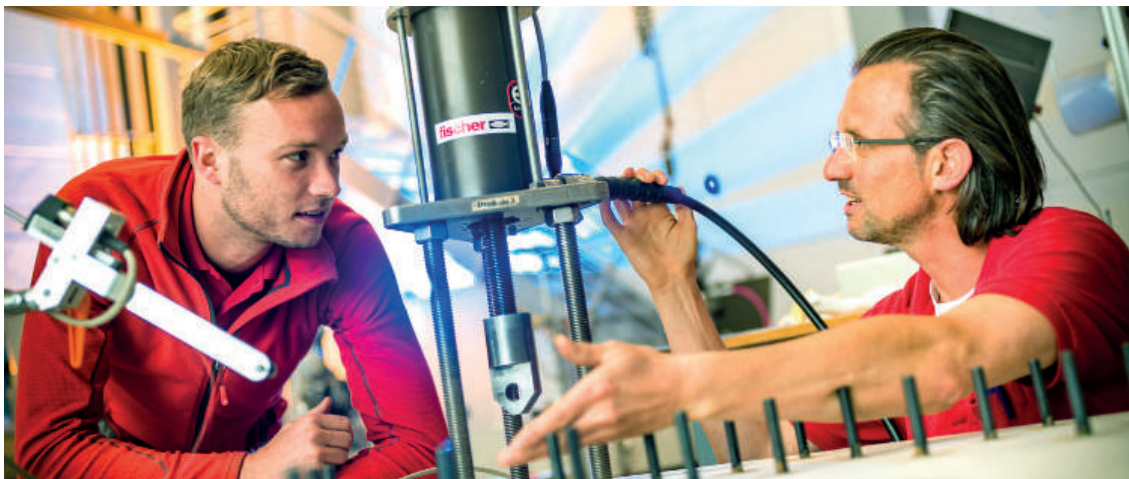
We don't make any compromises when it comes to the safety of our products. A whole host of our products are distinguished by comprehensive, up-to-date and international approvals. The fischer product range is wellpositioned in all sectors of fixing technology – Steel, Nylon and Chemical fixings. In awardwinning quality which continues to impress both professional clients and private customers with equal measure.



ESR-1990  
See ICC-ES  
Evaluation Report  
at [www.icc-es.org](http://www.icc-es.org)



International approvals characterise many of our products.





### Always on the pulse of time

At fischer, innovation is more than just a sum of the patents. We are open to new things and are prepared for change – always with the aim of offering our customers the greatest possible benefits. Over the years, our own development and production sites have been developing numerous fixing solutions for the most wide-ranging applications. Be it new production procedures or materials, such as renewable raw materials: We are carrying out the research for your safety and will continue to do so in the future. This gives us such great flexibility that we can even develop tailor-made customer solutions. This power to innovate has seen fischer become market leader in anchor technology and the fixing industry.

### Our service to you

We are a reliable partner, one that will stand at your side and address your individual requirements with advice and action:

- Our products range from chemical systems to steel anchors through to plastic anchors.
- Competence and innovation through own research, development and production.
- Global presence and active sales service in over 100 countries.
- Qualified technical consulting for economical and compliant fastening solutions. Also on-site at the construction site requested.
- Training sessions, some with accreditation, at your premises or at the fischer academy.
- Design and construction software for demanding applications.

### We take responsibility

Our active environment management policy means that we are helping to maintain an intact environment for our generation and for those that follow. The environment management policy at the Tumlingen site has been certified in line with DIN EN ISO 14001.

It fills us with particular pride that in 2020 we have received the most important and largest award in Europe in the field of sustainability: the German Sustainability Award - category large companies.

This was in recognition of our holistic approach and the strategic anchoring of our sustainability management. With our greenline products we have launched the first range of fixings on the market that is based on renewable raw materials to more than 50%.



Greenline assortment based on 50% regrowing raw materials



German Sustainability Award



**fischer hollow drill bit FHD.  
New to the range are the  
diameters 8 & 10 mm.**



# Innovations that inspire professionals.

## Content

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# 1

## Selection guide

### Content

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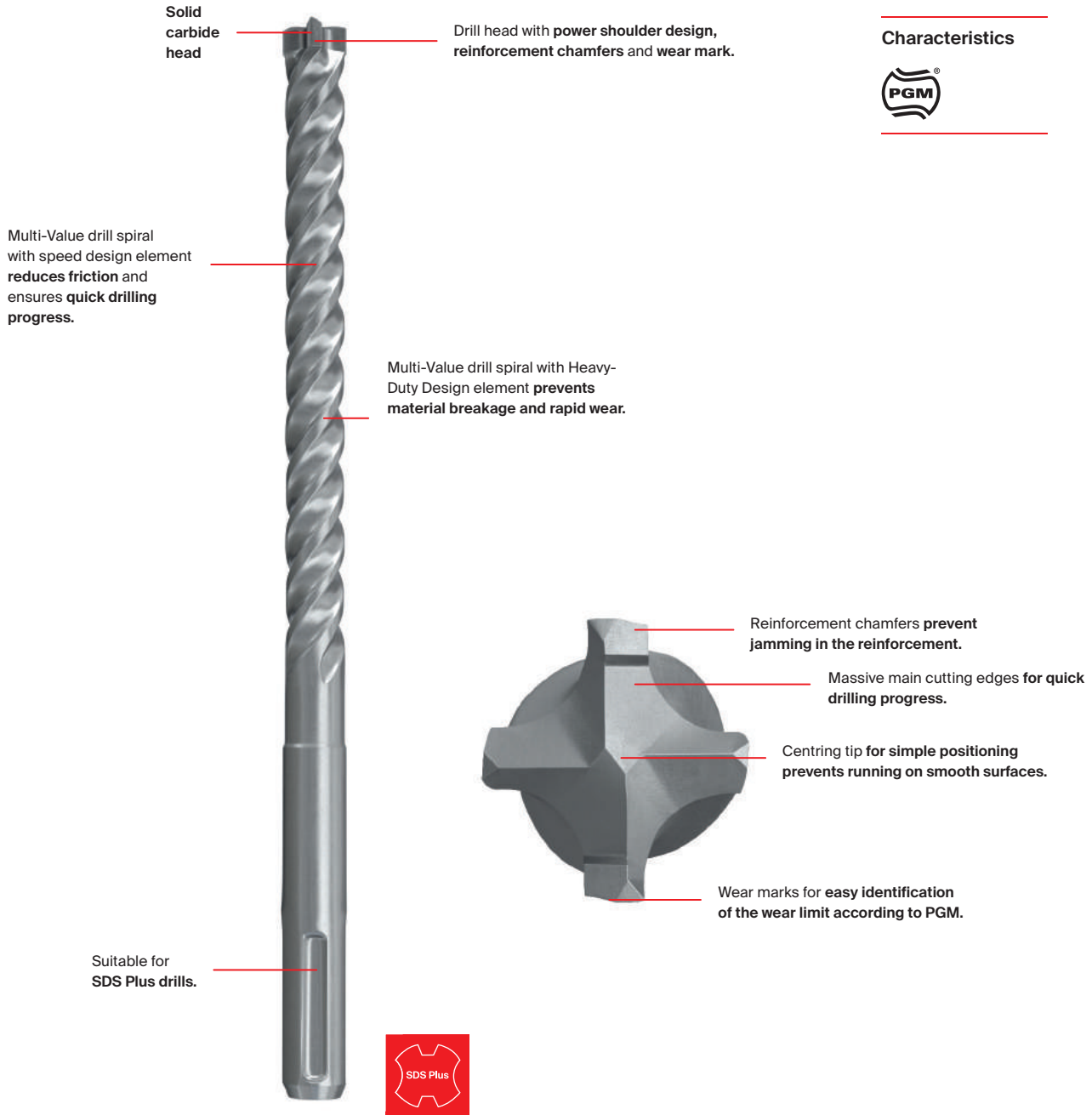
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# Hammer drill bit Quattric II

For maximum service life and speed in reinforced concrete.



# Hollow drill bit FHD

For drilling with low dust as well as for efficient and approved anchoring.

Drilling and drill hole cleaning in one single step saves a lot of time for the anchoring.

**Characteristics**

**PGM**

Drilling tip FHD  
ø 8 - 10 mm

Drilling tip FHD  
ø 12 - 14 mm

Drilling tip FHD  
ø 16 - 18 mm  
Drilling tip FHD Max  
ø 16 - 35 mm

Immediate extraction of the drilling dust for a clean and healthy work face.

Precision ground tips of carbide metal boards for a fast drilling progress.

Centering tip for accurate positioning, prevents running on smooth and uneven surfaces.

Wear marks for easy identification of the wear limit according to PGM.

Sustainable for SDS Plus and SDS Max drills.

SDS Plus

SDS Max



# Universal drill bit

## D-U Hex

1

Universal drill with long service life in all materials.

Centering tip simplifies positioning and enables precise drilling.

Wear-resistant carbide tip with diamond-ground cutting edges. Ideal for drilling in material combinations.

Special spiral geometry enables an optimal drilling dust removal and long service life.

PGM certification guarantees precise hold of fixings in the drill hole.

Hexagonal shank ensures optimal power transmission during rotary and impact drilling.

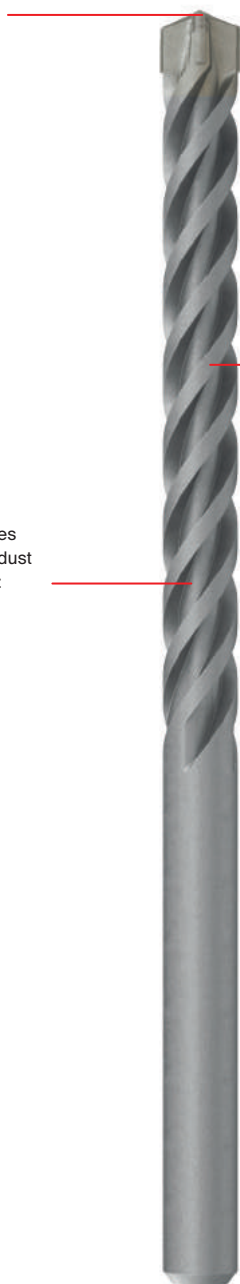
### Characteristics



# Masonry drill bit D-SDX

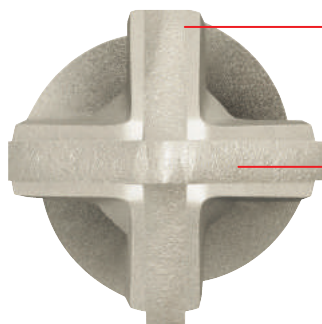
Powerfull masonry drill bit with 4 cutting edges.

Centering tip **facilitates positioning** and **prevents slipping** on smooth surfaces.



Flute with 4x4 design minimizes **wear and friction** and enables **low vibration** for user-friendly drilling.

Short flute entrances ensure an optimal dust removal to **prevent heat development** and **wear**.



Drill bit with 4 carbide cutting edges for **higher breakup performance**.







Heat-resistant carbide cutting edge for a **long service life**.







Drills														
	Diameter	Working length	Total length	Number of cutting edges	Holder	Material								
						Concrete	Reinforced concrete	Aerated concrete	Natural stone	Marble	Solid brick	Perforated brick	Hollow brick	Sand-lime brick
	[mm]	[mm]	[mm]											
<b>1</b> Hammer drill bit Quattric II	5-32	50-950	115-1.000	4	SDS Plus	●	●	—	●	—	●	—	—	●
Hammer drill bit SDS Plus II Pointer	4-26	50-950	110-1.000	2	SDS Plus	●	—	—	●	—	●	—	—	●
Hammer drill bit Pointer EC	4-30	50-550	110-600	2	SDS Plus	●	—	—	—	—	—	—	—	—
Hammer drill bit SDS Max	12-52	200-2.000	340-2.120	2 / 4	SDS Max	●	●	—	●	—	●	—	—	●
Hollow drill bit FHD	8-35	100-650	230-870	2 / 4	SDS Plus SDS Max	●	●	—	●	—	—	—	—	—
Masonry drill bit Pointer M	6-22	100-350	260-410	2	SDS Plus	—	—	●	—	—	—	●	●	—
Concrete drill bit D-C	3-16	30-300	60-400	2	CYL	●	—	●	●	—	—	—	—	●
Stone drill bit D-SDX	5-12	50-90	85-150	4	CYL	—	—	●	—	—	—	—	●	●
Stone drill bit D-S	3-25	30-450	60-600	2	CYL	—	—	●	●	—	—	—	—	●
Metal drill bit D-HSS-Co	1-13	12-101	34-151	—	CYL	—	—	—	—	—	—	—	—	—
Metal drill bit D-HSS-G	1-13	12-121	34-184	—	CYL	—	—	—	—	—	—	—	—	—
Metal drill bit D-HSS-G DEB	3,1-5,2	12-17,5	49-62	—	CYL	—	—	—	—	—	—	—	—	—
Metal drill bit D-HSS-R	1-20	12-140	34-205	—	CYL	—	—	—	—	—	—	—	—	—
Wood drill bit D-WS	3-14	33-97	61-151	2	CYL	—	—	—	—	—	—	—	—	—
Auger bit D-WL	6-32	155-530	230-600	Thread	HEX	—	—	—	—	—	—	—	—	—
Forstner drill bit D-WFo	10-40	—	90	—	CYL	—	—	—	—	—	—	—	—	—
Flat wood drill bit D-WF	12-35	42-46	160-163	2	HEX	—	—	—	—	—	—	—	—	—

Plaster-board	Soft tiles	Hard tiles	Glass	Sheet steel	Stainless steel	Cast steel/ Grey cast iron	Fire-proof steel	Sintered iron	Cast iron with nodular graphite	Graphite	Bronze	Coloured heavy metal	Aluminium	Plastic	Soft-wood	Hard-wood	Ply-wood	Chip-board	Page
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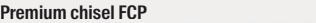

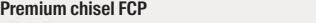



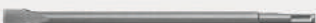



Drills															
	Diameter	Working length	Total length	Number of Cutting edges	Holder	Material									
						Concrete	Reinforced Concrete	Aerated concrete	Natural stone	Marble	Solid brick	Perforated brick	Hollow brick	Sand-lime brick	
	[mm]	[mm]	[mm]												
<b>Glass drill bit D-GT</b> 	5-10	11-15	70-100	2	CYL	—	—	—	—	—	—	—	—	—	—
<b>Universal drill bit D-U HEX</b> 	3-12	45-90	90-150	2	HEX	●	—	—	—	●	●	●	●	●	●
<b>Universal drill bit D-U</b> 	5-10	50-90	85-150	—	CYL	—	—	—	—	—	●	●	●	●	●
<b>Diamond hole saw HS-Di</b> 	5-14	40-50	80	diamond	HEX	—	—	—	—	—	—	—	—	—	—
<b>Bi-metal hole saw HS-HSS-Co</b> 	19-152	38	44-50	crown	HEX	—	—	—	—	—	—	—	—	—	—
<b>Multi-hole saw HS-Multi</b> 	20-102	51-59	65	crown	HEX	—	—	—	—	—	●	—	—	—	●

Drills [Inch]															
	Diameter	Working length	Total length	Number of Cutting edges	Holder	Material									Page
						Concrete	Reinforced Concrete	Aerated concrete	Natural stone	Marble	Solid brick	Perforated brick	Hollow brick	Sand-lime brick	
	[Inch]	[Inch]	[Inch]												
<b>Hammer drill bit Quattric II</b> 	1/4-1/2	4-10	6 1/4-12 1/4	4	SDS Plus	●	●	—	●	—	●	—	—	●	27
<b>Hammer drill bit SDS Plus II Pointer</b> 	3/16-1	2-22	4 1/4-24	2	SDS Plus	●	—	—	●	—	●	—	—	●	30
<b>Hammer drill bit SDS Plus I Pointer</b> 	3/16-5/8	2-6	1/4-8 1/4	2	SDS Plus	●	—	—	—	—	—	—	—	—	32
<b>Hammer drill bit SDS Max</b> 	1/2-1 1/2	7 1/2-31	13-36	2/4	SDS Max	●	●	—	●	—	●	—	—	●	38

Plaster-board	Soft tiles	Hard tiles	Glass	Sheet steel	Stainless steel	Cast steel/ Grey cast iron	Fire-proof steel	Sintered iron	Cast iron with modular graphite	Graphite	Bronze	Coloured heavy metal	Aluminium	Plastic	Soft-wood	Hard-wood	Plywood	Chip-board	Page
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Chisel								
	Type	Width	Length [mm]	Holder	Material Concrete	Natural stone	Masonry	Page
 Premium chisel FCP	Pointed	—	250	SDS Plus	●	●	●	96
 Premium chisel FCP	Flat	20	250	SDS Plus	●	●	●	96
 Premium chisel FCP	Spade	40	250	SDS Plus	●	●	●	96
 Premium chisel FCP	Pointed	—	400	SDS Max	●	●	●	96
 Premium chisel FCP	Flat	25	400	SDS Max	●	●	●	96
 Premium chisel FCP	Spade	50	380	SDS Max	●	●	●	96

Chisel								
	Type	Width	Length [mm]	Holder	Material Concrete	Natural stone	Masonry	Page
 Standard chisel	Pointed	—	250 280-600	SDS Plus SDS Max	●	●	●	97
 Standard chisel	Flat	20 25	250 280-600	SDS Plus SDS Max	●	●	●	97
 Standard chisel	Spade	40 50	250 400	SDS Plus SDS Max	●	●	●	97
 Standard chisel	Hollow	22 26	250 300-400	SDS Plus SDS Max	●	●	●	97
 Standard chisel	Tiles	50	400	SDS Max	●	●	●	97





# Approvals and markings.

1

In the following, characteristics of our drill bits and chisels are given with their respective meaning.



**Tungsten carbide tipped:**

Tungsten carbide tipped for use in hard materials such as concrete and stone.



**Hexagonal shank:**

Hexagonal shank as connection end for optimum power transmission and to prevent the slipping in the drill chuck. The hexagonal shank is suitable for cordless impact drills, drill drivers and impact wrenches.



**Diamond tipped:**

Diamond tipped for the use in very hard materials such as ceramics and fine stone-ware.



**135° tip angle:**

The flat 135° tip angle is featured by a reduced spot drilling time.



**SDS Max:**

Connection system for power tools with SDS Max adapter. These include drilling machines and hammer drills. The connection system ensures better power transmission from the machine to the drill bit and chisel. In addition, the system enables a quick tool change.



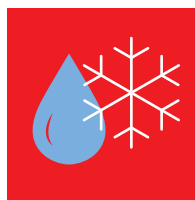
**118° tip angle:**

The 118° tip angle is for standard applications and eases the centering of the drill bit on the material.



**SDS Plus:**

Connection system for power tools with SDS Plus adapter. These include drilling machines and hammer drills. The connection system ensures better power transmission from the machine to the drill bit and chisel. In addition, the system enables a quick tool change.



**Cooling:**

Cooling required to protect the drill bit from friction and glowing and to maintain the service life of the drill bit.



**DIN 338:**  
Drill bits are manufactured according to DIN 338, which defines the length of metal drill bits.



**Stainless steel:**  
Suitable for drilling in stainless steel. When drilling hard metal, pay attention to speed and feed rate.



**Drilling without impact:**  
Drilling without impact is recommended to avoid destroying brittle building materials such as masonry, tiles or glass and to avoid damaging the carbide of the drill bit.



**PGM:**  
The PGM marking is a certificate issued by the Prüfgemeinschaft Mauerbohrer e.V. confirming the suitability of drill bits for the creation of safe anchor connections.











# 2

## Masonry and concrete drill bits


### HAMMER DRILL BITS

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Hammer drill bit Quattric II	24	
Hammer drill bit SDS Plus II Pointer	28	
Hammer drill bit Pointer EC	33	
Hammer drill bit SDS Max II / SDS Max IV	36	





### HOLLOW DRILL BITS

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Hollow drill bit FHD	39	
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### MASONRY DRILL BITS

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Masonry drill bit Pointer M	41	
Concrete drill bit D-C	42	
Stone drill bit D-SDX	44	
Stone drill bit D-S	46	

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# Hammer drill bit Quattric II

The expert for the best performance in reinforced concrete

2



Drilling in concrete wall



Drilling in floor plate

## Applications

To create approval-compliant drill holes in:

- Reinforced concrete
- Concrete
- Solid brick
- Sand-lime brick

Also suitable for:

- Natural stone

## Advantages

- Robust solid carbide head (up to  $\varnothing$  10mm) for a long service life.
- Massive main cutting edges in combination with the improved break-up performance of the Power Shoulders enable fast drilling progress.
- Integrated reinforcement chamfers prevent jamming in reinforcement.
- Special spiral geometry combines quick drilling progress and increased service life.
- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.
- Wear mark for easy recognition of the wear limit according to PGM.

## Certificates



## Functioning

- Four-cutter hammer drill bit with SDS Plus shank enables higher durability in reinforced concrete.

## Technical Data

### Hammer drill bit Quattric II




Quattric II


Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Quattric II 5/50/115	549973	5	50	115	Plastic clip	1	1
Quattric II 5/100/165	549974	5	100	165	Plastic clip	1	1
Quattric II 5/150/215	544214	5	150	215	Plastic clip	1	1
Quattric II 5,5/50/115	549971	5.5	50	115	Plastic clip	1	1
Quattric II 5,5/100/165	549972	5.5	100	165	Plastic clip	1	1
Quattric II 6/50/115	549983	6	50	115	Plastic clip	1	1
Quattric II 6/100/165	549979	6	100	165	Plastic clip	1	1
Quattric II 6/150/215	549981	6	150	215	Plastic clip	1	1
Quattric II 6/200/265	549985	6	200	265	Plastic clip	1	1
Quattric II 6/250/315	549986	6	250	315	Plastic clip	1	1




## Technical Data

Hammer drill bit Quattric II							
							
Quattric II							
Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Quattric II 6,5/100/165	549975	6.5	100	165	Plastic clip	1	1
Quattric II 6,5/150/215	549976	6.5	150	215	Plastic clip	1	1
Quattric II 6,5/200/265	549977	6.5	200	265	Plastic clip	1	1
Quattric II 6,5/250/315	549978	6.5	250	315	Plastic clip	1	1
Quattric II 7/100/165	549987	7	100	165	Plastic clip	1	1
Quattric II 8/50/115	549993	8	50	115	Plastic clip	1	1
Quattric II 8/100/165	549988	8	100	165	Plastic clip	1	1
Quattric II 8/150/215	549990	8	150	215	Plastic clip	1	1
Quattric II 8/200/265	549994	8	200	265	Plastic clip	1	1
Quattric II 8/250/315	549992	8	250	315	Plastic clip	1	1
Quattric II 8/300/365	549995	8	300	365	Plastic clip	1	1
Quattric II 8/400/465	549996	8	400	465	Plastic clip	1	1
Quattric II 10/50/115	549928	10	50	115	Plastic clip	1	1
Quattric II 10/100/165	549922	10	100	165	Plastic clip	1	1
Quattric II 10/150/215	549925	10	150	215	Plastic clip	1	1
Quattric II 10/200/265	549929	10	200	265	Plastic clip	1	1
Quattric II 10/250/315	549927	10	250	315	Plastic clip	1	1
Quattric II 10/300/365	544224	10	300	365	Plastic clip	1	1
Quattric II 10/390/455	549930	10	390	455	Plastic clip	1	1
Quattric II 10/540/600	544222	10	540	600	Plastic clip	1	1
Quattric II 12/110/160	549932	12	110	160	Plastic clip	1	1
Quattric II 12/160/210	549936	12	160	210	Plastic clip	1	1
Quattric II 12/210/260	549934	12	210	260	Plastic clip	1	1
Quattric II 12/260/310	549939	12	260	310	Plastic clip	1	1
Quattric II 12/400/450	549935	12	400	450	Plastic clip	1	1
Quattric II 12/550/600	544213	12	550	600	Plastic clip	1	1
Quattric II 12/950/1000	549931	12	950	1000	Plastic clip	1	1
Quattric II 14/110/160	549941	14	110	160	Plastic clip	1	1
Quattric II 14/160/210	549944	14	160	210	Plastic clip	1	1
Quattric II 14/210/260	549942	14	210	260	Plastic clip	1	1
Quattric II 14/260/310	549945	14	260	310	Plastic clip	1	1
Quattric II 14/400/450	549943	14	400	450	Plastic clip	1	1
Quattric II 14/550/600	544223	14	550	600	Plastic clip	1	1
Quattric II 14/950/1000	549940	14	950	1000	Plastic clip	1	1
Quattric II 15/110/160	549946	15	110	160	Plastic clip	1	1
Quattric II 15/160/210	549947	15	160	210	Plastic clip	1	1
Quattric II 15/210/260	544215	15	210	260	Plastic clip	1	1
Quattric II 16/110/160	549950	16	110	160	Plastic clip	1	1
Quattric II 16/160/210	549951	16	160	210	Plastic clip	1	1
Quattric II 16/210/260	549952	16	210	260	Plastic clip	1	1
Quattric II 16/260/310	549953	16	260	310	Plastic clip	1	1
Quattric II 16/400/450	549954	16	400	450	Plastic clip	1	1
Quattric II 16/550/600	549955	16	550	600	Plastic clip	1	1
Quattric II 16/950/1000	549948	16	950	1000	Plastic clip	1	1
Quattric II 18/200/250	549956	18	200	250	Plastic tube	1	1
Quattric II 18/400/450	549957	18	400	450	Plastic tube	1	1
Quattric II 20/200/250	549958	20	200	250	Plastic tube	1	1
Quattric II 20/400/450	549959	20	400	450	Plastic tube	1	1
Quattric II 22/200/250	549960	22	200	250	Plastic tube	1	1
Quattric II 22/400/450	549961	22	400	450	Plastic tube	1	1
Quattric II 24/200/250	549962	24	200	250	Plastic tube	1	1
Quattric II 24/400/450	549963	24	400	450	Plastic tube	1	1
Quattric II 25/200/250	549964	25	200	250	Plastic tube	1	1
Quattric II 25/400/450	549965	25	400	450	Plastic tube	1	1
Quattric II 28/200/250	549966	28	200	250	Plastic tube	1	1
Quattric II 28/400/450	549967	28	400	450	Plastic tube	1	1

## Technical Data

Hammer drill bit Quattric II							
							
Quattric II							
Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Quattric II 30/200/250	549968	30	200	250	Plastic tube	1	1
Quattric II 30/400/450	549969	30	400	450	Plastic tube	1	1
Quattric II 32/400/450	549970	32	400	450	Plastic tube	1	1
Quattric II 6/50/115 XP5	549984	6	50	115	Plastic tube	5	1
Quattric II 6/100/165 XP5	544225	6	100	165	Plastic tube	5	1
Quattric II 6/150/215 XP5	549982	6	150	215	Plastic tube	5	1
Quattric II 6/200/265 XP5	552131	6	200	265	Plastic tube	5	1
Quattric II 6,5/100/165 XP5	544217	6,5	100	165	Plastic tube	5	1
Quattric II 8/100/165 XP5	549989	8	100	165	Plastic tube	5	1
Quattric II 8/150/215 XP5	549991	8	150	215	Plastic tube	5	1
Quattric II 8/200/265 XP5	552132	8	200	265	Plastic tube	5	1
Quattric II 10/100/165 XP5	549924	10	100	165	Plastic tube	5	1
Quattric II 10/150/215 XP5	549926	10	150	215	Plastic tube	5	1
Quattric II 10/200/265 XP5	552133	10	200	265	Plastic tube	5	1
Quattric II 12/110/160 XP5	549933	12	110	160	Plastic tube	5	1
Quattric II 12/160/210 XP5	549937	12	160	210	Plastic tube	5	1
Quattric II 12/210/260 XP5	549938	12	210	260	Plastic tube	5	1
Quattric II 14/110/160 XP5	544220	14	110	160	Plastic tube	5	1
Quattric II 14/160/210 XP5	544221	14	160	210	Plastic tube	5	1
Quattric II 6/100/165 XP10	549980	6	100	165	Plastic tube	10	1
Quattric II 6/150/215 XP10	544185	6	150	215	Plastic tube	10	1
Quattric II 8/100/165 XP10	544216	8	100	165	Plastic tube	10	1
Quattric II 8/150/215 XP10	544186	8	150	215	Plastic tube	10	1
Quattric II 10/100/165 XP10	549923	10	100	165	Plastic tube	10	1
Quattric II 10/150/215 XP10	544187	10	150	215	Plastic tube	10	1
Quattric II 12/110/160 XP10	552129	12	110	160	Plastic tube	10	1
Quattric II 12/160/210 XP10	544188	12	160	210	Plastic tube	10	1
Quattric II 12/210/260 XP10	552130	12	210	260	Plastic tube	10	1
Quattric II 14/160/210 XP10	544189	14	160	210	Plastic tube	10	1

## Technical Data

Hammer drill bit Quattric II				
				
Set 5 - 12 mm				
Item	Item no.	Packaging	Contents	Sales unit [pcs]
Quattric II Set 5 - 12 mm	553210	Assortment box	7 pcs: 5/50/115, 6/50/115, 6/100/165, 8/50/115, 8/100/165, 10/100/165, 12/110/160	1

## Technical Data

### Hammer drill bit Quattric II inch



#### Quattric II

Item	Item no.	Drill diameter $d_0$ [in]	Working length [in]	Total length $l$ [in]	Packaging	Contents [pcs.]	Sales unit [pcs]
Quattric II 1/4 x 6 1/4	510572	1/4	4	6 1/4	Plastic clip	1	1
Quattric II 5/16 x 6 1/4	510576	5/16	4	6 1/4	Plastic clip	1	1
Quattric II 3/8 x 6 1/4	510579	3/8	4	6 1/4	Plastic clip	1	1
Quattric II 3/8 x 12 1/4	510580	3/8	10	12 1/4	Plastic clip	1	1
Quattric II 7/16 x 12 1/4	510583	7/16	10	12 1/4	Plastic clip	1	1
Quattric II 1/2 x 6 1/4	510585	1/2	4	6 1/4	Plastic clip	1	1
Quattric II 1/2 x 12 1/4	510586	1/2	10	12 1/4	Plastic clip	1	1



# Hammer drill bit SDS Plus II Pointer

The two-cutter with high drilling speed

2



Drilling in concrete wall



Drilling in floor plate

## Applications

To create approval-compliant drill holes in:

- Concrete
- Solid brick
- Sand-lime brick

Also suitable for:

- Natural stone

## Advantages

- Optimised drill bit geometry enables fast drilling progress while reducing wear and effort.
- Robust Power Breaker breaks up the concrete for a noticeably higher drilling speed.
- Larger reinforcement chamfers reduce jamming in reinforcement.
- Two-flute spiral geometry for optimum dust removal and long service life.
- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.
- PGM certification is guaranteed a precise hole creation for a secure application of the fixing.

## Certificates



## Functioning

- Two-cutter hammer drill bit with SDS Plus shank enables fast and safe drilling and has been optimized for cordless drills.

## Technical Data

### Hammer drill bit SDS Plus II Pointer



SDS Plus II Pointer

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus II 4/50/110	531753	4	50	110	Plastic clip	1	1
SDS Plus II 4/100/160	531754	4	100	160	Plastic clip	1	1
SDS Plus II 5/50/110	531755	5	50	110	Plastic clip	1	1
SDS Plus II 5/100/160	531756	5	100	160	Plastic clip	1	1
SDS Plus II 5/150/210	531757	5	150	210	Plastic clip	1	1
SDS Plus II 5/250/310	531759	5	250	310	Plastic clip	1	1
SDS Plus II 5,5/100/160	531761	5.5	100	160	Plastic clip	1	1
SDS Plus II 5,5/150/210	531762	5.5	150	210	Plastic clip	1	1
SDS Plus II 5,5/250/310	531763	5.5	250	310	Plastic clip	1	1
SDS Plus II 6/50/110	531765	6	50	110	Plastic clip	1	1

## Technical Data

## Hammer drill bit SDS Plus II Pointer



SDS Plus II Pointer

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus II 6/100/160	531766	6	100	160	Plastic clip	1	1
SDS Plus II 6/150/210	531767	6	150	210	Plastic clip	1	1
SDS Plus II 6/200/260	531768	6	200	260	Plastic clip	1	1
SDS Plus II 6/250/310	531769	6	250	310	Plastic clip	1	1
SDS Plus II 6,5/50/110	531770	6.5	50	110	Plastic clip	1	1
SDS Plus II 6,5/100/160	531771	6.5	100	160	Plastic clip	1	1
SDS Plus II 6,5/150/210	531772	6.5	150	210	Plastic clip	1	1
SDS Plus II 6,5/200/260	531773	6.5	200	260	Plastic clip	1	1
SDS Plus II 6,5/250/310	531774	6.5	250	310	Plastic clip	1	1
SDS Plus II 7/50/110	531775	7	50	110	Plastic clip	1	1
SDS Plus II 7/100/160	531776	7	100	160	Plastic clip	1	1
SDS Plus II 7/150/210	531777	7	150	210	Plastic clip	1	1
SDS Plus II 8/50/110	531779	8	50	110	Plastic clip	1	1
SDS Plus II 8/100/160	531780	8	100	160	Plastic clip	1	1
SDS Plus II 8/100/400	517689	8	100	400	Plastic clip	1	1
SDS Plus II 8/150/210	531781	8	150	210	Plastic clip	1	1
SDS Plus II 8/200/260	531782	8	200	260	Plastic clip	1	1
SDS Plus II 8/250/310	531783	8	250	310	Plastic clip	1	1
SDS Plus II 8/340/400	531784	8	340	400	Plastic clip	1	1
SDS Plus II 8/400/460	531785	8	400	460	Plastic clip	1	1
SDS Plus II 8/540/600	531786	8	540	600	Plastic clip	1	1
SDS Plus II 9/100/160	531788	9	100	160	Plastic clip	1	1
SDS Plus II 9/150/210	531789	9	150	210	Plastic clip	1	1
SDS Plus II 9,5/100/160	531790	9.5	100	160	Plastic clip	1	1
SDS Plus II 10/50/110	531791	10	50	110	Plastic clip	1	1
SDS Plus II 10/100/160	531792	10	100	160	Plastic clip	1	1
SDS Plus II 10/150/210	531793	10	150	210	Plastic clip	1	1
SDS Plus II 10/200/260	531794	10	200	260	Plastic clip	1	1
SDS Plus II 10/250/310	531795	10	250	310	Plastic clip	1	1
SDS Plus II 10/290/350	531796	10	290	350	Plastic clip	1	1
SDS Plus II 10/390/450	531797	10	390	450	Plastic clip	1	1
SDS Plus II 10/540/600	531798	10	540	600	Plastic clip	1	1
SDS Plus II 10/740/800	531799	10	740	800	Plastic clip	1	1
SDS Plus II 10/940/1000	531800	10	940	1000	Plastic clip	1	1
SDS Plus II 11/100/160	531801	11	100	160	Plastic clip	1	1
SDS Plus II 11/260/310	531802	11	260	310	Plastic clip	1	1
SDS Plus II 12/110/160	531803	12	110	160	Plastic clip	1	1
SDS Plus II 12/160/210	531804	12	160	210	Plastic clip	1	1
SDS Plus II 12/210/260	531805	12	210	260	Plastic clip	1	1
SDS Plus II 12/260/310	531806	12	260	310	Plastic clip	1	1
SDS Plus II 12/310/360	531807	12	310	360	Plastic clip	1	1
SDS Plus II 12/400/450	531808	12	400	450	Plastic clip	1	1
SDS Plus II 12/550/600	531809	12	550	600	Plastic clip	1	1
SDS Plus II 12/950/1000	531810	12	950	1000	Plastic clip	1	1
SDS Plus II 13/100/160	531811	13	100	160	Plastic clip	1	1
SDS Plus II 13/160/210	531812	13	160	210	Plastic clip	1	1
SDS Plus II 13/210/260	531813	13	210	260	Plastic clip	1	1
SDS Plus II 13/260/310	531814	13	260	310	Plastic clip	1	1
SDS Plus II 14/110/160	531815	14	110	160	Plastic clip	1	1
SDS Plus II 14/160/210	531816	14	160	210	Plastic clip	1	1
SDS Plus II 14/210/260	531817	14	210	260	Plastic clip	1	1
SDS Plus II 14/260/310	531818	14	260	310	Plastic clip	1	1
SDS Plus II 14/400/450	531819	14	400	450	Plastic clip	1	1
SDS Plus II 14/550/600	531820	14	550	600	Plastic clip	1	1
SDS Plus II 14/950/1000	531821	14	950	1000	Plastic clip	1	1
SDS Plus II 15/110/160	531822	15	110	160	Plastic clip	1	1

## Technical Data

## Hammer drill bit SDS Plus II Pointer



SDS Plus II Pointer

Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus II 15/160/210	531823	15	160	210	Plastic clip	1	1
SDS Plus II 15/210/260	531824	15	210	260	Plastic clip	1	1
SDS Plus II 16/110/160	531826	16	110	160	Plastic clip	1	1
SDS Plus II 16/160/210	531827	16	160	210	Plastic clip	1	1
SDS Plus II 16/210/260	531828	16	210	260	Plastic clip	1	1
SDS Plus II 16/260/310	531829	16	260	310	Plastic clip	1	1
SDS Plus II 16/400/450	531830	16	400	450	Plastic clip	1	1
SDS Plus II 16/550/600	531831	16	550	600	Plastic clip	1	1
SDS Plus II 16/750/800	531832	16	750	800	Plastic clip	1	1
SDS Plus II 16/950/1000	531833	16	950	1000	Plastic clip	1	1
SDS Plus II 17/160/210	531834	17	160	210	Plastic clip	1	1
SDS Plus II 17/400/450	531835	17	400	450	Plastic clip	1	1
SDS Plus II 18/150/200	531836	18	150	200	Plastic clip	1	1
SDS Plus II 18/250/300	531837	18	250	300	Plastic clip	1	1
SDS Plus II 18/400/450	531838	18	400	450	Plastic clip	1	1
SDS Plus II 18/550/600	531839	18	550	600	Plastic clip	1	1
SDS Plus II 18/950/1000	531840	18	950	1000	Plastic clip	1	1
SDS Plus II 19/150/200	531841	19	150	200	Plastic clip	1	1
SDS Plus II 19/400/450	531842	19	400	450	Plastic clip	1	1
SDS Plus II 20/150/200	531843	20	150	200	Plastic clip	1	1
SDS Plus II 20/250/300	531844	20	250	300	Plastic clip	1	1
SDS Plus II 20/400/450	531845	20	400	450	Plastic clip	1	1
SDS Plus II 20/550/600	531846	20	550	600	Plastic clip	1	1
SDS Plus II 20/950/1000	531847	20	950	1000	Plastic clip	1	1
SDS Plus II 22/200/250	531849	22	200	250	Plastic clip	1	1
SDS Plus II 22/400/450	531850	22	400	450	Plastic clip	1	1
SDS Plus II 22/550/600	531851	22	550	600	Plastic clip	1	1
SDS Plus II 22/950/1000	531852	22	950	1000	Plastic clip	1	1
SDS Plus II 24/200/250	531853	24	200	250	Plastic clip	1	1
SDS Plus II 24/400/450	531854	24	400	450	Plastic clip	1	1
SDS Plus II 25/200/250	531855	25	200	250	Plastic clip	1	1
SDS Plus II 25/400/450	531856	25	400	450	Plastic clip	1	1
SDS Plus II 25/550/600	531857	25	550	600	Plastic clip	1	1
SDS Plus II 26/200/250	531858	26	200	250	Plastic clip	1	1
SDS Plus II 26/400/450	531859	26	400	450	Plastic clip	1	1
SDS Plus II 6/50/110 XP10	531860	6	50	110	X-Pack	10	1
SDS Plus II 6/100/160 XP10	531861	6	100	160	X-Pack	10	1
SDS Plus II 8/100/160 XP10	531862	8	100	160	X-Pack	10	1
SDS Plus II 10/100/160 XP10	531864	10	100	160	X-Pack	10	1
SDS Plus II 10/150/210 XP10	531865	10	150	210	X-Pack	10	1
SDS Plus II 12/110/160 XP10	531868	12	110	160	X-Pack	10	1
SDS Plus II 12/160/210 XP10	531869	12	160	210	X-Pack	10	1
SDS Plus II 12/210/260 XP10	531870	12	210	260	X-Pack	10	1

## Technical Data

## Hammer drill bit SDS Plus II Pointer inch



SDS Plus II Pointer

Item	Item no.	Drill diameter d <sub>0</sub> [in]	Working length [in]	Total length l [in]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus II 3/16 x 4 1/4	507623	3/16	2	4 1/4	Plastic clip	1	1
SDS Plus II 3/16 x 6 1/4	507624	3/16	4	6 1/4	Plastic clip	1	1
SDS Plus II 3/16 x 8 1/4	507625	3/16	6	8 1/4	Plastic clip	1	1
SDS Plus II 3/16 x 10	507626	3/16	8	10	Plastic clip	1	1



## Technical Data

## Hammer drill bit SDS Plus II Pointer inch



SDS Plus II Pointer

Item	Item no.	Drill diameter $d_0$ [in]	Working length [in]	Total length $l$ [in]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus II 3/16 x 12	507627	3/16	10	12	Plastic clip	1	1
SDS Plus II 1/4 x 4 1/4	507634	1/4	2	4 1/4	Plastic clip	1	1
SDS Plus II 1/4 x 6 1/4	507635	1/4	4	6 1/4	Plastic clip	1	1
SDS Plus II 1/4 x 8 1/4	507636	1/4	6	8 1/4	Plastic clip	1	1
SDS Plus II 1/4 x 14	507638	1/4	12	14	Plastic clip	1	1
SDS Plus II 1/4 x 20	507640	1/4	18	20	Plastic clip	1	1
SDS Plus II 5/16 x 6 1/4	507642	5/16	4	6 1/4	Plastic clip	1	1
SDS Plus II 5/16 x 12	507643	5/16	10	12	Plastic clip	1	1
SDS Plus II 3/8 x 6 1/4	507644	3/8	4	6 1/4	Plastic clip	1	1
SDS Plus II 3/8 x 8 1/4	507645	3/8	6	8 1/4	Plastic clip	1	1
SDS Plus II 3/8 x 10 1/2	507646	3/8	8	10 1/2	Plastic clip	1	1
SDS Plus II 3/8 x 12 1/4	507647	3/8	10	12 1/4	Plastic clip	1	1
SDS Plus II 3/8 x 18	507648	3/8	16	18	Plastic clip	1	1
SDS Plus II 3/8 x 24	507649	3/8	22	24	Plastic clip	1	1
SDS Plus II 7/16 x 6 1/4	507650	7/16	4	6 1/4	Plastic clip	1	1
SDS Plus II 7/16 x 10 1/4	507651	7/16	8	10 1/4	Plastic clip	1	1
SDS Plus II 7/16 x 12 1/4	507652	7/16	10	12 1/4	Plastic clip	1	1
SDS Plus II 1/2 x 6 1/4	507654	1/2	4	6 1/2	Plastic clip	1	1
SDS Plus II 1/2 x 10 1/4	507655	1/2	8	10 1/4	Plastic clip	1	1
SDS Plus II 1/2 x 12 1/4	507656	1/2	10	12 1/4	Plastic clip	1	1
SDS Plus II 1/2 x 18	507657	1/2	16	18	Plastic clip	1	1
SDS Plus II 1/2 x 24	507658	1/2	22	24	Plastic clip	1	1
SDS Plus II 9/16 x 10 1/4	507660	9/16	8	10 1/4	Plastic clip	1	1
SDS Plus II 9/16 x 12 1/4	507661	9/16	10	12 1/4	Plastic clip	1	1
SDS Plus II 5/8 x 6 1/4	507663	5/8	4	6 1/4	Plastic clip	1	1
SDS Plus II 5/8 x 8	507664	5/8	6	8	Plastic clip	1	1
SDS Plus I 5/8 x 8 1/4	540662	5/8	6	8 1/4	Plastic clip	1	1
SDS Plus II 5/8 x 12	507665	5/8	10	12	Plastic clip	1	1
SDS Plus II 5/8 x 18	507666	5/8	16	18	Plastic clip	1	1
SDS Plus II 5/8 x 24	507667	5/8	22	24	Plastic clip	1	1
SDS Plus II 5/32 x 6 1/4	507622	5/32	4	6 1/4	Plastic clip	1	1
SDS Plus II 3/4 x 8	510552	3/4	6	8	Plastic clip	1	1
SDS Plus II 3/4 x 10	510553	3/4	8	10	Plastic clip	1	1
SDS Plus II 3/4 x 12	510554	3/4	10	12	Plastic clip	1	1
SDS Plus II 3/4 x 18	510555	3/4	16	18	Plastic clip	1	1
SDS Plus II 3/4 x 24	510556	3/4	22	24	Plastic clip	1	1
SDS Plus II 7/8 x 8	510558	7/8	6	8	Plastic clip	1	1
SDS Plus II 7/8 x 10	510559	7/8	8	10	Plastic clip	1	1
SDS Plus II 7/8 x 12 1/2	510560	7/8	10	12 1/2	Plastic clip	1	1
SDS Plus II 7/8 x 18	510561	7/8	16	18	Plastic clip	1	1
SDS Plus II 1 x 8	510562	1	6	8	Plastic clip	1	1
SDS Plus II 1 x 10	510563	1	8	10	Plastic clip	1	1
SDS Plus II 1 x 12	510564	1	10	12	Plastic clip	1	1
SDS Plus II 1 x 18	510565	1	16	18	Plastic clip	1	1

## Technical Data

### Hammer drill bit SDS Plus I Pointer inch

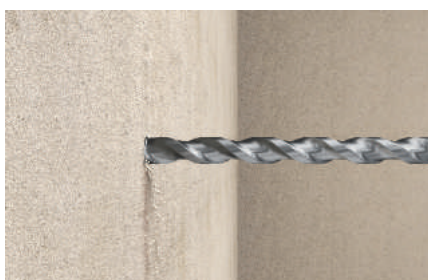


#### SDS Plus I Pointer

Item	Item no.	Drill diameter $d_0$ [in]	Working length [in]	Total length $l$ [in]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Plus I 3/16 x 6 1/4	540656	3/16	4	6 1/4	Plastic clip	1	1
SDS Plus I 1/4 x 4 1/4	540657	1/4	2	4 1/4	Plastic clip	1	1
SDS Plus I 1/4 x 6 1/4	540658	1/4	4	6 1/4	Plastic clip	1	1
SDS Plus I 5/16 x 6 1/4	540659	5/16	4	6 1/4	Plastic clip	1	1
SDS Plus I 3/8 x 6 1/4	540660	3/8	4	6 1/4	Plastic clip	1	1
SDS Plus I 1/2 x 6 1/4	540661	1/2	4	6 1/4	Plastic clip	1	1
SDS Plus I 5/8 x 8 1/4	540662	5/8	6	8 1/4	Plastic clip	1	1

# Hammer drill bit Pointer EC

The economical two-cutter for optimum work results



Drilling in concrete wall



Drilling in floor plate

## Applications

To create drill holes in:

- Concrete
- Solid brick
- Sand-lime brick

Also suitable for:

- Natural stone

## Advantages

- Ground carbide tip drills quickly into the substrate and allows fast drilling progress.
- Two-flute spiral geometry allows easy

and quick dust removal.

- Designed for a good service life in hard materials such as concrete, brick and natural stone.

## Certificates



## Technical Data

### Hammer drill bit Pointer EC



Pointer EC

Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Pointer EC 4/50/110	546812	4	50	110	Pouch	1	1
Pointer EC 5/50/110	546813	5	50	110	Pouch	1	1
Pointer EC 5/110/160	546814	5	110	160	Pouch	1	1
Pointer EC 5,5/50/110	546815	5.5	50	110	Pouch	1	1
Pointer EC 5,5/100/160	546816	5.5	100	160	Pouch	1	1
Pointer EC 6/50/110	546817	6	50	110	Pouch	1	1
Pointer EC 6/100/160	546818	6	100	160	Pouch	1	1
Pointer EC 6/150/210	546819	6	150	210	Pouch	1	1
Pointer EC 6,5/50/110	546820	6.5	50	110	Pouch	1	1
Pointer EC 6,5/110/160	546821	6.5	110	160	Pouch	1	1
Pointer EC 6,5/150/210	546822	6.5	150	210	Pouch	1	1
Pointer EC 7/50/110	546823	7	50	110	Pouch	1	1
Pointer EC 7/100/160	546824	7	100	160	Pouch	1	1
Pointer EC 8/50/110	546825	8	50	110	Pouch	1	1

## Technical Data

### Hammer drill bit Pointer EC



Pointer EC

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Pointer EC 8/110/160	546826	8	110	160	Pouch	1	1
Pointer EC 8/150/210	546827	8	150	210	Pouch	1	1
Pointer EC 8/200/250	546828	8	200	250	Pouch	1	1
Pointer EC 8/400/460	546829	8	400	460	Pouch	1	1
Pointer EC 9/100/160	546830	9	100	160	Pouch	1	1
Pointer EC 9/150/210	546831	9	150	210	Pouch	1	1
Pointer EC 10/50/110	546832	10	50	110	Pouch	1	1
Pointer EC 10/100/160	546833	10	100	160	Pouch	1	1
Pointer EC 10/150/210	546834	10	150	210	Pouch	1	1
Pointer EC 10/200/260	546836	10	200	260	Pouch	1	1
Pointer EC 10/250/300	546837	10	250	300	Pouch	1	1
Pointer EC 10/400/460	546838	10	400	460	Pouch	1	1
Pointer EC 11/100/160	546839	11	100	160	Pouch	1	1
Pointer EC 12/100/160	546840	12	100	160	Pouch	1	1
Pointer EC 12/150/210	546843	12	150	210	Pouch	1	1
Pointer EC 12/200/260	546844	12	200	260	Pouch	1	1
Pointer EC 12/400/460	546845	12	400	460	Pouch	1	1
Pointer EC 13/100/160	546846	13	100	160	Pouch	1	1
Pointer EC 14/100/160	546848	14	100	160	Pouch	1	1
Pointer EC 14/150/210	546849	14	150	210	Pouch	1	1
Pointer EC 14/200/260	546850	14	200	260	Pouch	1	1
Pointer EC 14/400/460	546851	14	400	460	Pouch	1	1
Pointer EC 14/550/600	546852	14	550	600	Pouch	1	1
Pointer EC 15/100/160	546853	15	100	160	Pouch	1	1
Pointer EC 16/100/160	546855	16	100	160	Pouch	1	1
Pointer EC 16/150/200	546856	16	150	200	Pouch	1	1
Pointer EC 16/250/300	546857	16	250	300	Pouch	1	1
Pointer EC 16/400/460	546858	16	400	460	Pouch	1	1
Pointer EC 17/150/210	546859	17	150	210	Pouch	1	1
Pointer EC 18/150/210	546860	18	150	210	Pouch	1	1
Pointer EC 18/250/300	546861	18	250	300	Pouch	1	1
Pointer EC 18/400/450	546862	18	400	450	Pouch	1	1
Pointer EC 19/150/200	546863	19	150	200	Pouch	1	1
Pointer EC 20/150/200	546864	20	150	200	Pouch	1	1
Pointer EC 20/250/300	546865	20	250	300	Pouch	1	1
Pointer EC 20/400/460	546866	20	400	460	Pouch	1	1
Pointer EC 22/200/260	546867	22	200	260	Pouch	1	1
Pointer EC 22/400/450	546868	22	400	450	Pouch	1	1
Pointer EC 25/200/260	546869	25	200	260	Pouch	1	1
Pointer EC 25/400/460	546870	25	400	460	Pouch	1	1
Pointer EC 26/250/300	546871	26	250	300	Pouch	1	1
Pointer EC 28/400/460	546872	28	400	460	Pouch	1	1
Pointer EC 30/400/460	546873	30	400	460	Pouch	1	1

## Technical Data

### Hammer drill bit Pointer EC



Pointer EC

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Pointer EC 4/50/110	560499	4	50	110	Plastic clip	1	1
Pointer EC 5/50/110	560500	5	50	110	Plastic clip	1	1



## Technical Data

## Hammer drill bit Pointer EC

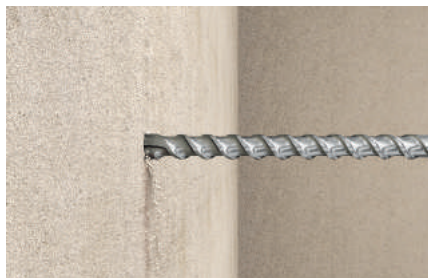
Pointer EC

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Pointer EC 5/110/160	560501	5	110	160	Plastic clip	1	1
Pointer EC 6/50/110	560502	6	50	110	Plastic clip	1	1
Pointer EC 6/100/160	560503	6	100	160	Plastic clip	1	1
Pointer EC 6/150/210	560504	6	150	210	Plastic clip	1	1
Pointer EC 6,5/50/110	560505	6.5	50	110	Plastic clip	1	1
Pointer EC 6,5/110/160	560506	6.5	110	160	Plastic clip	1	1
Pointer EC 6,5/150/210	560507	6.5	150	210	Plastic clip	1	1
Pointer EC 7/50/110	560508	7	50	110	Plastic clip	1	1
Pointer EC 7/100/160	560509	7	100	160	Plastic clip	1	1
Pointer EC 8/50/110	560510	8	50	110	Plastic clip	1	1
Pointer EC 8/110/160	560511	8	110	160	Plastic clip	1	1
Pointer EC 8/150/210	560512	8	150	210	Plastic clip	1	1
Pointer EC 8/200/250	560513	8	200	250	Plastic clip	1	1
Pointer EC 8/400/460	560514	8	400	460	Plastic clip	1	1
Pointer EC 9/100/160	560515	9	100	160	Plastic clip	1	1
Pointer EC 9/150/210	560516	9	150	210	Plastic clip	1	1
Pointer EC 10/50/110	560517	10	50	110	Plastic clip	1	1
Pointer EC 10/100/160	560518	10	100	160	Plastic clip	1	1
Pointer EC 10/150/210	560519	10	150	210	Plastic clip	1	1
Pointer EC 10/200/260	560520	10	200	260	Plastic clip	1	1
Pointer EC 10/250/300	560521	10	250	300	Plastic clip	1	1
Pointer EC 10/400/460	560522	10	400	460	Plastic clip	1	1
Pointer EC 11/100/160	560523	11	100	160	Plastic clip	1	1
Pointer EC 12/100/160	560524	12	100	160	Plastic clip	1	1
Pointer EC 12/150/210	560525	12	150	210	Plastic clip	1	1
Pointer EC 12/200/260	560526	12	200	260	Plastic clip	1	1
Pointer EC 12/400/460	560527	12	400	460	Plastic clip	1	1
Pointer EC 13/100/160	560528	13	100	160	Plastic clip	1	1
Pointer EC 14/100/160	560529	14	100	160	Plastic clip	1	1
Pointer EC 14/150/210	560530	14	150	210	Plastic clip	1	1
Pointer EC 14/200/260	560531	14	200	260	Plastic clip	1	1
Pointer EC 14/400/460	560532	14	400	460	Plastic clip	1	1
Pointer EC 14/550/600	560533	14	550	600	Plastic clip	1	1
Pointer EC 17/150/210	560534	17	150	210	Plastic clip	1	1
Pointer EC 20/150/200	560535	20	150	200	Plastic clip	1	1
Pointer EC 20/250/300	560536	20	250	300	Plastic clip	1	1
Pointer EC 20/400/460	560537	20	400	460	Plastic clip	1	1
Pointer EC 22/200/260	560538	22	200	260	Plastic clip	1	1
Pointer EC 25/200/260	560539	25	200	260	Plastic clip	1	1
Pointer EC 25/400/460	560540	25	400	460	Plastic clip	1	1
Pointer EC 28/400/460	560541	28	400	460	Plastic clip	1	1
Pointer EC 30/400/460	560542	30	400	460	Plastic clip	1	1

# Hammer drill bit SDS Max II / SDS Max IV

The hammer drill bit with SDS Max shank

2



Drilling in concrete wall



Drilling in floor plate

## Applications

To create approval-compliant drill holes in:

- Reinforced concrete (SDS Max IV)
- Concrete
- Solid brick
- Sand-lime brick

Also suitable for:

- Natural stone

## Advantages

- SDS Max shank for optimum power transmission and fast drilling progress.
- Robust drill bit head with four cutting edges prevents jamming in reinforcement.
- Wear resistant quadruple spiral for optimum dust removal and long service life.
- Core-reinforced flute for maximum power transmission and low-vibration drilling.
- PGM certification is guaranteed a precise hole creation for a secure application of the fixing.

## Certificates



## Functioning

- Hammer drill bit with SDS Max shank for drilling deep holes with professional hammer drills.

## Technical Data

### Hammer drill bit SDS Max II / SDS Max IV



SDS Max II and IV

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Max II 12/200/340	504188	12	200	340	Plastic tube	1	1
SDS Max II 12/400/540	504189	12	400	540	Plastic tube	1	1
SDS Max II 14/200/340	504192	14	200	340	Plastic tube	1	1
SDS Max II 14/400/540	504194	14	400	540	Plastic tube	1	1
SDS Max IV 12/200/340	524556	12	200	340	Plastic tube	1	1
SDS Max IV 12/400/540	524557	12	400	540	Plastic tube	1	1
SDS Max IV 14/200/340	524559	14	200	340	Plastic tube	1	1
SDS Max IV 14/400/540	524560	14	400	540	Plastic tube	1	1
SDS Max IV 16/200/340	504198	16	200	340	Plastic tube	1	1
SDS Max IV 16/400/540	504199	16	400	540	Plastic tube	1	1
SDS Max IV 16/800/920	504200	16	800	920	Plastic tube	1	1
SDS Max IV 16/1200/1320	504206	16	1200	1320	Flexipack	1	1

## Technical Data

Hammer drill bit SDS Max II / SDS Max IV							
SDS Max II and IV							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Max IV 18/200/340	504207	18	200	340	Plastic tube	1	1
SDS Max IV 18/400/540	504208	18	400	540	Plastic tube	1	1
SDS Max IV 18/800/940	504209	18	800	940	Plastic tube	1	1
SDS Max IV 18/1200/1320	504213	18	1200	1320	Flexipack	1	1
SDS Max IV 18/1400/1520	540046	18	1400	1520	Flexipack	1	1
SDS Max IV 18/1880/2000	540467	18	1880	2000	Flexipack	1	1
SDS Max IV 18/2500/2620	540470	18	2500	2620	Flexipack	1	1
SDS Max IV 20/200/320	504214	20	200	320	Plastic tube	1	1
SDS Max IV 20/400/520	504217	20	400	520	Plastic tube	1	1
SDS Max IV 20/800/920	504222	20	800	920	Plastic tube	1	1
SDS Max IV 20/1200/1320	504223	20	1200	1320	Flexipack	1	1
SDS Max IV 20/1880/2000	540471	20	1880	2000	Flexipack	1	1
SDS Max IV 22/200/320	504224	22	200	320	Plastic tube	1	1
SDS Max IV 22/400/520	504225	22	400	520	Plastic tube	1	1
SDS Max IV 22/800/920	504226	22	800	920	Plastic tube	1	1
SDS Max IV 22/1200/1320	504227	22	1200	1320	Flexipack	1	1
SDS Max IV 24/200/320	504228	24	200	320	Plastic tube	1	1
SDS Max IV 24/400/520	504229	24	400	520	Plastic tube	1	1
SDS Max IV 25/200/320	504235	25	200	320	Plastic tube	1	1
SDS Max IV 25/400/520	504236	25	400	520	Plastic tube	1	1
SDS Max IV 25/800/920	504237	25	800	920	Plastic tube	1	1
SDS Max IV 25/1200/1320	504238	25	1200	1320	Flexipack	1	1
SDS Max IV 25/2000/2120	098287	25	2000	2120	Flexipack	1	1
SDS Max IV 26/400/520	504239	26	400	520	Plastic tube	1	1
SDS Max IV 28/250/370	504240	28	250	370	Plastic tube	1	1
SDS Max IV 28/450/570	504241	28	450	570	Plastic tube	1	1
SDS Max IV 28/550/670	504242	28	550	670	Plastic tube	1	1
SDS Max IV 28/800/920	504243	28	800	920	Plastic tube	1	1
SDS Max IV 28/1200/1320	504244	28	1200	1320	Flexipack	1	1
SDS Max IV 30/250/370	504245	30	250	370	Plastic tube	1	1
SDS Max IV 30/450/570	504246	30	450	570	Plastic tube	1	1
SDS Max IV 30/800/920	057779	30	800	920	Plastic tube	1	1
SDS Max IV 32/450/570	504248	32	450	570	Plastic tube	1	1
SDS Max IV 32/800/920	504249	32	800	920	Plastic tube	1	1
SDS Max IV 32/1200/1320	504250	32	1200	1320	Flexipack	1	1
SDS Max IV 35/250/370	504251	35	250	370	Plastic tube	1	1
SDS Max IV 35/450/570	504256	35	450	570	Plastic tube	1	1
SDS Max IV 35/550/670	504257	35	550	670	Plastic tube	1	1
SDS Max IV 35/800/920	504258	35	800	920	Plastic tube	1	1
SDS Max IV 35/1200/1320	504259	35	1200	1320	Flexipack	1	1
SDS Max IV 35/1620/1740	040191	35	1620	1740	Flexipack	1	1
SDS Max IV 37/800/920	504266	37	800	920	Plastic tube	1	1
SDS Max IV 38/450/570	504268	38	450	570	Plastic tube	1	1
SDS Max IV 40/250/370	504269	40	250	370	Plastic tube	1	1
SDS Max IV 40/450/570	504270	40	450	570	Plastic tube	1	1
SDS Max IV 40/800/920	504271	40	800	920	Plastic tube	1	1
SDS Max IV 40/1200/1320	504272	40	1200	1320	Flexipack	1	1
SDS Max IV 45/450/570	504274	45	450	570	Plastic tube	1	1
SDS Max IV 45/800/920	504275	45	800	920	Plastic tube	1	1
SDS Max IV 52/450/570	504276	52	450	570	Plastic tube	1	1

## Technical Data

### Hammer drill bit SDS Max IV inch



SDS Max II and IV

Item	Item no.	Drill diameter d <sub>0</sub> [in]	Working length [in]	Total length l [in]	Packaging	Contents [pcs.]	Sales unit [pcs]
SDS Max IV 1/2 x 13	510591	1/2	7 1/2	13	Plastic tube	1	1
SDS Max IV 1/2 x 21	510596	1/2	15 1/2	21	Plastic tube	1	1
SDS Max IV 5/8 x 13	510601	5/8	7 1/2	13	Plastic tube	1	1
SDS Max IV 5/8 x 21	510602	5/8	15 1/2	21	Plastic tube	1	1
SDS Max IV 5/8 x 36	510603	5/8	30 1/2	36	Plastic tube	1	1
SDS Max IV 3/4 x 13	510605	3/4	8	13	Plastic tube	1	1
SDS Max IV 3/4 x 21	510606	3/4	17	21	Plastic tube	1	1
SDS Max IV 7/8 x 13	510611	7/8	8	13	Plastic tube	1	1
SDS Max IV 7/8 x 21	510612	7/8	17	21	Plastic tube	1	1
SDS Max IV 7/8 x 36	510613	7/8	31	36	Plastic tube	1	1
SDS Max IV 1 x 13	510614	1	8	13	Plastic tube	1	1
SDS Max IV 1 x 21	510615	1	17	21	Plastic tube	1	1
SDS Max IV 1 x 36	510616	1	31	36	Plastic tube	1	1
SDS Max IV 1 1/8 x 17	510618	1 1/8	12	17	Plastic tube	1	1
SDS Max IV 1 1/8 x 21	510619	1 1/8	17	21	Plastic tube	1	1
SDS Max IV 1 1/4 x 15	510622	1 1/4	10	15	Plastic tube	1	1
SDS Max IV 1 1/4 x 23	510623	1 1/4	18	23	Plastic tube	1	1
SDS Max IV 1 1/4 x 36	510624	1 1/4	31	36	Plastic tube	1	1
SDS Max IV 1 3/8 x 23	510625	1 3/8	18	23	Plastic tube	1	1
SDS Max IV 1 1/2 x 23	510629	1 1/2	18	23	Plastic tube	1	1



# Hollow drill bit FHD

Hollow drill bit for drilling with low dust as well as for efficient and approved anchoring



Hollow drilling in concrete



Cross section hollow drill bit

## Applications

To create approval-compliant drill holes in:

- Reinforced concrete
- Concrete

Also suitable for:

- Solid brick
- Solid-lime brick
- Natural stone

## Advantages

- Drilling and drill hole cleaning in one single step saves conventional cleaning of chemical and mechanical anchoring (with corresponding ETA approval).
- Time savings of 55% for the complete drill hole creation process.
- Reducing the drill dust prevents jamming

when drilling which provides a faster and frictionless drilling progress.

- Immediate extraction of the drill dust for a clean and healthy working environment.
- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.

## Certificates



## Functioning

- Direct drill dust suction at the drill bit head due to vacuum drill system and the hollow cylindrical shaft.
- To be used in combination with a vacuum cleaner of the dust class M.
- To be used with common SDS Plus drills.

## Technical Data

### Hollow drill bit FHD



FHD

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
FHD 8/100/230	559942	8	100	230	Plastic clip	1	1
FHD 10/100/230	559943	10	100	230	Plastic clip	1	1
FHD 12/200/330	546597	12	200	330	Plastic clip	1	1
FHD 14/250/380	546598	14	250	380	Plastic clip	1	1
FHD 16/250/380	546599	16	250	380	Plastic clip	1	1
FHD 18/320/450	546600	18	320	450	Plastic clip	1	1

## Technical Data

### Hollow drill bit FHD

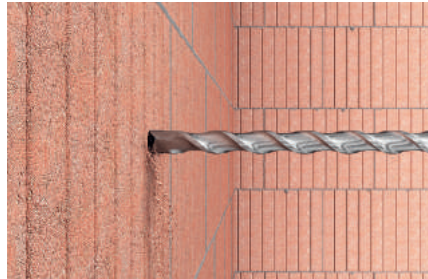


FHD

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
FHD Max 16/400/620	546601	16	400	620	Plastic clip	1	1
FHD Max 18/400/620	546602	18	400	620	Plastic clip	1	1
FHD Max 20/400/620	546603	20	400	620	Plastic clip	1	1
FHD Max 24/400/620	546604	24	400	620	Plastic clip	1	1
FHD Max 28/600/820	546605	28	600	820	Plastic clip	1	1
FHD Max 30/600/820	546606	30	600	820	Plastic clip	1	1
FHD Max 35/650/870	546607	35	650	870	Plastic clip	1	1

# Masonry drill bit Pointer M

The perfect drill bit for all perforated building materials



Drilling in hollow brick



Cross section of hollow brick drilling

## Applications

To create drill holes in:

- Hollow bricks
- Aerated concrete
- Perforated sand-lime bricks

Ideal for:

- Longshaft or ETICS fixings, e.g. SXRL, FIS HK, fischer TherMax as well as VBS-M

## Advantages

- Diamond sharpened carbide tip with advanced cutting edges ensures save and fast drilling progress.
- Large spiral flutes for optimal dust removal.
- Drilling without impact is recommended.
- The chambers in the vertically perforated

brick remain intact with the masonry drill and thus guarantee full load-bearing capacity for fixings.

- PGM certification is guaranteed a precise hole creation for a secure application of the fixing.

## Certificates



## Functioning

- Shortened SDS Plus shank reduces the impact force of the machine on the drill bit and prevents damage to the substrate.

## Technical Data

Masonry drill bit Pointer M							
Pointer M							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
Pointer M 6/350/410	546204	6	350	410	Pouch	1	1
Pointer M 8/100/400	517690	8	100	400	Pouch	1	1
Pointer M 8/120/400 K	530686	8	120	400	Pouch	1	1
Pointer M 8/200/260	544382	8	200	260	Pouch	1	1
Pointer M 10/200/260	543630	10	200	260	Pouch	1	1
Pointer M 12/200/260	543631	12	200	260	Pouch	1	1
Pointer M 14/200/260	543632	14	200	260	Pouch	1	1
Pointer M 16/100/400	543634	16	100	400	Pouch	1	1
Pointer M 16/200/260	543633	16	200	260	Pouch	1	1
Pointer M 18/350/410	546205	18	350	410	Plastic tube	1	1
Pointer M 20/100/400	543635	20	100	400	Plastic tube	1	1
Pointer M 22/350/410	546206	22	350	410	Plastic tube	1	1

# Concrete drill bit D-C

Robust concrete drill bit with carbide tip

2



Drilling in concrete

## Applications

For drilling in:

- Concrete
- Sand-lime brick
- Masonry
- Natural stone
- Gypsum plasterboard
- Aerated concrete

## Advantages

- Extremely heat-resistant carbide cutting edge for a long service life.
- Quality steel with a high breaking resistance.
- Special spiral geometry for optimum dust removal.

## Certificates



## Functioning

- Suitable for rotary and impact drilling.

## Technical Data

### Concrete drill bit D-C




D-C



Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-C 3/30/60	530575	3	30	60	Blister card	2	1
D-C 4/40/75	530576	4	40	75	Blister card	2	1
D-C 5/50/85	530577	5	50	85	Blister card	1	1
D-C 6/60/100	530579	6	60	100	Blister card	1	1
D-C 7/60/100	530584	7	60	100	Blister card	1	1
D-C 8/80/120	530590	8	80	120	Blister card	1	1
D-C 9/80/120	530592	9	80	120	Blister card	1	1
D-C 10/80/120	530593	10	80	120	Blister card	1	1
D-C 11/85/150	530596	11	85	150	Blister card	1	1
D-C 12/85/150	530597	12	85	150	Blister card	1	1
D-C 14/85/150	530601	14	85	150	Blister card	1	1
D-C 16/85/150	530604	16	85	150	Blister card	1	1



## Technical Data

Concrete drill bit D-C							
							
D-C							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-C 3/30/60	543307	3	30	60	Pouch	1	1
D-C 4/40/75	543308	4	40	75	Pouch	1	1
D-C 4/40/75	536563	4	40	75	Pouch	2	1
D-C 5/50/85	536564	5	50	85	Pouch	1	1
D-C 6/60/100	536565	6	60	100	Pouch	1	1
D-C 8/80/120	536566	8	80	120	Pouch	1	1
D-C 10/80/120	536567	10	80	120	Pouch	1	1
D-C 12/85/150	536568	12	85	150	Pouch	1	1
D-C 14/85/150	536569	14	85	150	Pouch	1	1
D-C 16/85/150	536570	16	85	150	Pouch	1	1
D-C 5/85/150	543312	5	85	150	Plastic tube	1	1
D-C 6/85/150	543313	6	85	150	Plastic tube	1	1
D-C 6/135/200	543316	6	135	200	Plastic tube	1	1
D-C 6/300/400	530580	6	300	400	Plastic tube	1	1
D-C 8/85/150	543314	8	85	150	Plastic tube	1	1
D-C 8/135/200	551326	8	135	200	Plastic tube	1	1
D-C 8/300/400	530591	8	300	400	Plastic tube	1	1
D-C 10/85/150	543315	10	85	150	Plastic tube	1	1
D-C 10/135/200	551327	10	135	200	Plastic tube	1	1
D-C 10/300/400	530595	10	300	400	Plastic tube	1	1
D-C 12/135/200	551328	12	135	200	Plastic tube	1	1
D-C 12/300/400	530600	12	300	400	Plastic tube	1	1
D-C 14/135/200	543317	14	135	200	Plastic tube	1	1
D-C 14/300/400	543319	14	300	400	Plastic tube	1	1
D-C 16/135/200	543318	16	135	200	Plastic tube	1	1

## Technical Data

Concrete drill bit D-C				
				
D-C Set 4-10 mm		D-C Set 3-10 mm		
Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-C Set 4-10 mm	536606	Assortment box	5 pcs: 4/40/75, 5/50/85, 6/60/100, 8/80/120, 10/80/120	1
D-C Set 3-10 mm	536607	Assortment box	8 pcs: 3/30/60, 4/40/75, 5/50/85, 6/60/100, 7/60/100, 8/80/120, 9/80/120, 10/80/120	1

# Stone drill bit D-SDX

Powerful masonry drill bit with 4 cutting edges

2



Drilling in masonry

## Applications

For drilling in:

- Masonry
- Hollow brick
- Sand-lime brick
- Gypsum plasterboard
- Aerated concrete

## Advantages

- Four carbide cutting edges ensure a higher breakup performance.
- Extremely heat-resistant carbide cutting edge ensures a long service life.
- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.

## Certificates

## Functioning

- Special spiral geometry for optimum dust removal.
- Especially suitable for the use with cordless impact drills.

## Technical Data

Stone drill bit D-SDX							
D-SDX							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-SDX 5/50/85	545049	5	50	85	Blister card	1	1
D-SDX 6/60/100	545051	6	60	100	Blister card	1	1
D-SDX 8/80/120	545052	8	80	120	Blister card	1	1
D-SDX 10/80/120	545053	10	80	120	Blister card	1	1
D-SDX 12/90/150	545054	12	90	150	Blister card	1	1
D-SDX 5/50/85	545141	5	50	85	Pouch	1	1
D-SDX 6/60/100	545144	6	60	100	Pouch	1	1
D-SDX 8/80/120	545145	8	80	120	Pouch	1	1
D-SDX 10/70/120	545146	10	80	120	Pouch	1	1
D-SDX 12/90/150	545148	12	90	150	Pouch	1	1

## Technical Data

### Stone drill bit D-SDX



D-SDX Set 5-12mm

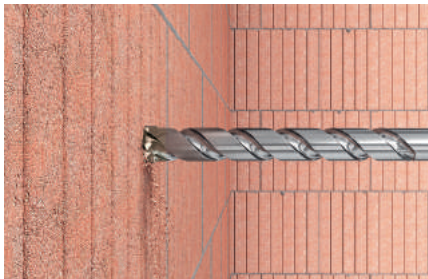
	Item no.	Packaging	Contents	Sales unit [pcs]
Item				
D-SDX Set 5-12 mm	545507	Assortment box	5 pcs: 5/50/85, 6/60/100, 8/80/120, 10/80/120, 12/90/150	1



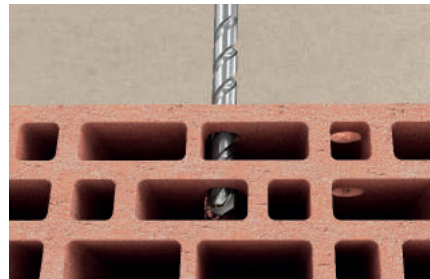
# Stone drill bit D-S

Universal masonry drill bit for impact and rotary drilling in masonry and natural stone

2



Drilling in hollow brick



Cross section of hollow brick drilling

## Applications

For drilling in:

- Stone
- Sand-lime brick
- Masonry
- Natural stone
- Gypsum plasterboard
- Aerated concrete

## Advantages

- Extremely heat-resistant carbide cutting edge ensures a long service life.
- High quality steel with a high breaking resistance.
- Special spiral geometry for optimum dust removal.


## Certificates



## Functioning

- Suitable for rotary and impact drilling.

## Technical Data

Stone drill bit D-S							
							
D-S							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-S HM 3/30/60	530522	3	30	60	Blister card	2	1
D-S HM 4/38/75	530523	4	38	75	Blister card	2	1
D-S HM 5/44/85	530524	5	44	85	Blister card	1	1
D-S HM 6/54/100	530527	6	54	100	Blister card	1	1
D-S HM 7/54/100	530552	7	54	100	Blister card	1	1
D-S HM 8/67/120	530553	8	67	120	Blister card	1	1
D-S HM 9/67/120	530556	9	67	120	Blister card	1	1
D-S HM 10/67/120	530557	10	67	120	Blister card	1	1
D-S HM 12/85/150	530563	12	85	150	Blister card	1	1
D-S HM 14/85/150	530566	14	85	150	Blister card	1	1
D-S HM 15/85/150	530568	15	85	150	Blister card	1	1
D-S HM 16/85/150	530569	16	85	150	Blister card	1	1

## Technical Data

## Stone drill bit D-S



D-S

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-S HM 18/100/160	530571	18	100	160	Blister card	1	1
D-S HM 20/100/160	530573	20	100	160	Blister card	1	1
D-S HM 4/38/75	542977	4	38	75	Pouch	1	1
D-S HM 5/44/85	542978	5	44	85	Pouch	1	1
D-S HM 6/54/100	542979	6	54	100	Pouch	1	1
D-S HM 6/135/200	542990	6	135	200	Pouch	1	1
D-S HM 7/54/100	542980	7	54	100	Pouch	1	1
D-S HM 8/67/120	542981	8	67	120	Pouch	1	1
D-S HM 8/135/200	542991	8	135	200	Pouch	1	1
D-S HM 10/67/120	542982	10	67	120	Pouch	1	1
D-S HM 10/135/200	542992	10	135	200	Pouch	1	1
D-S HM 12/85/150	542983	12	85	150	Pouch	1	1
D-S HM 12/135/200	542993	12	135	200	Pouch	1	1
D-S HM 14/85/150	542985	14	85	150	Pouch	1	1
D-S HM 16/85/150	542987	16	85	150	Pouch	1	1
D-S HM 18/100/160	542988	18	100	160	Pouch	1	1
D-S HM 20/100/160	542989	20	100	160	Pouch	1	1
D-S HM 5/85/150	530525	5	85	150	Plastic tube	1	1
D-S HM 6/85/150	530528	6	85	150	Plastic tube	1	1
D-S HM 6/135/200	551390	6	135	200	Plastic tube	1	1
D-S HM 6/300/400	543306	6	300	400	Plastic tube	1	1
D-S HM 8/135/200	530554	8	135	200	Plastic tube	1	1
D-S HM 8/300/400	530555	8	300	400	Plastic tube	1	1
D-S HM 8/450/600	551391	8	450	600	Plastic tube	1	1
D-S HM 8/85/150	551386	8	85	150	Plastic tube	1	1
D-S HM 10/85/150	543305	10	85	150	Plastic tube	1	1
D-S HM 10/135/200	530558	10	135	200	Plastic tube	1	1
D-S HM 10/300/400	530559	10	300	400	Plastic tube	1	1
D-S HM 10/450/600	551392	10	450	600	Plastic tube	1	1
D-S HM 12/135/200	530564	12	135	200	Plastic tube	1	1
D-S HM 12/300/400	530565	12	300	400	Plastic tube	1	1
D-S HM 12/450/600	551393	12	450	600	Plastic tube	1	1
D-S HM 14/135/200	551394	14	135	200	Plastic tube	1	1
D-S HM 14/300/400	530567	14	300	400	Plastic tube	1	1
D-S HM 14/450/600	551395	14	450	600	Plastic tube	1	1
D-S HM 16/135/200	551396	16	135	200	Plastic tube	1	1
D-S HM 16/300/400	530570	16	300	400	Plastic tube	1	1
D-S HM 16/450/600	551397	16	450	600	Plastic tube	1	1
D-S HM 18/100/160	551387	18	100	160	Plastic tube	1	1
D-S HM 18/300/400	530572	18	300	400	Plastic tube	1	1
D-S HM 18/450/600	551398	18	450	600	Plastic tube	1	1
D-S HM 20/100/160	551388	20	100	160	Plastic tube	1	1
D-S HM 20/300/400	530574	20	300	400	Plastic tube	1	1
D-S HM 20/450/600	551399	20	450	600	Plastic tube	1	1
D-S HM 22/300/400	551400	22	300	400	Plastic tube	1	1
D-S HM 24/300/400	551401	24	300	400	Plastic tube	1	1
D-S HM 25/100/160	551389	25	100	160	Plastic tube	1	1

2

## Technical Data

### Stone drill bit D-S



D-S Set 4-10 mm

D-S Set 3 - 10 mm

Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-S Set 4-10 mm	543025	Assortment box	5 pcs: 4/38/75, 5/44/85, 6/54/100, 8/67/120, 10/67/120	1
D-S Set 3-10 mm	543027	Assortment box	8 pcs: 3/30/60, 4/38/75, 5/44/85, 6/54/100, 7/54/100, 8/67/120, 9/67/120, 10/67/120	1











# 3

## Metal drill bits

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Metal drill bit D-HSS-Co	52	
Metal drill bit D-HSS-G	56	
Metal drill bit D-HSS-G DEB	60	
Metal drill bit D-HSS-R	61	

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# Metal drill bit D-HSS-Co

Precision ground metal twist drill bit



Drilling in metal

3

## Applications

For drilling in tough and hard metals:

- Steel up to 1000 N/mm<sup>2</sup> alloyed and unalloyed
- Stainless steel
- Heat-treatable and case-hardened steel
- Rolling bearing steel
- Non-ferrous heavy metal

## Advantages

- Special steel in combination with the production according to DIN 338, provides a high breaking resistance.
- Cobalt alloy makes the drill bit highly heat-resistant and suitable for tough and hard materials.
- Split point for optimum centering and reduced feed force effort.
- 135° tip angle for quick drilling progress.
- Type N spiral for optimum chip removal.

## Certificates




## Technical Data

Metal drill bit D-HSS-Co Blister card							
D-HSS-Co							


Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 1/12/34	530491	1	12	34	Blister card	2	1
HSS-Co DIN338 1,5/18/40	530492	1.5	18	40	Blister card	2	1
HSS-Co DIN338 2/24/49	530493	2	24	49	Blister card	2	1
HSS-Co DIN338 2,5/30/57	530494	2.5	30	57	Blister card	2	1
HSS-Co DIN338 3/33/61	530495	3	33	61	Blister card	2	1
HSS-Co DIN338 3,2/36/65	530496	3.2	36	65	Blister card	2	1
HSS-Co DIN338 3,5/39/70	530497	3.5	39	70	Blister card	2	1
HSS-Co DIN338 4/43/75	530498	4	43	75	Blister card	2	1




## Technical Data

Metal drill bit D-HSS-Co Blister card							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 4,5/47/80	530504	4.5	47	80	Blister card	1	1
HSS-Co DIN338 5/52/86	530505	5	52	86	Blister card	1	1
HSS-Co DIN338 5,5/57/93	530506	5.5	57	93	Blister card	1	1
HSS-Co DIN338 6/57/93	530507	6	57	93	Blister card	1	1
HSS-Co DIN338 6,5/63/101	530508	6.5	63	101	Blister card	1	1
HSS-Co DIN338 7/69/109	530509	7	69	109	Blister card	1	1
HSS-Co DIN338 8/75/117	530511	8	75	117	Blister card	1	1
HSS-Co DIN338 8,5/75/117	530512	8.5	75	117	Blister card	1	1
HSS-Co DIN338 9/81/125	530513	9	81	125	Blister card	1	1
HSS-Co DIN338 10/87/133	530515	10	87	133	Blister card	1	1
HSS-Co DIN338 11/94/142	530517	11	94	142	Blister card	1	1
HSS-Co DIN338 12/101/151	530519	12	101	151	Blister card	1	1
HSS-Co DIN338 13/101/151	530521	13	101	151	Blister card	1	1

## Technical Data


Metal drill bit D-HSS-Co Pouch							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 2/24/49	536552	2	24	49	Pouch	2	1
HSS-Co DIN338 3/33/61	536553	3	33	61	Pouch	2	1
HSS-Co DIN338 4/43/75	536554	4	43	75	Pouch	1	1
HSS-Co DIN338 4,5/47/80	536555	4.5	47	80	Pouch	1	1
HSS-Co DIN338 5/52/86	536556	5	52	86	Pouch	1	1
HSS-Co DIN338 5,5/57/93	536557	5.5	57	93	Pouch	1	1
HSS-Co DIN338 6/57/93	536558	6	57	93	Pouch	1	1
HSS-Co DIN338 6,5/63/101	536559	6.5	63	101	Pouch	1	1
HSS-Co DIN338 7/69/109	536560	7	69	109	Pouch	1	1
HSS-Co DIN338 8/75/117	536561	8	75	117	Pouch	1	1
HSS-Co DIN338 10/87/133	536562	10	87	133	Pouch	1	1

## Technical Data


Metal drill bit D-HSS-Co XP							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 1/12/34	543180	1	12	34	X-Pack	10	1
HSS-Co DIN338 1,5/18/40	543185	1.5	18	43	X-Pack	10	1
HSS-Co DIN338 1,6/20/43	543186	1.6	20	43	X-Pack	10	1
HSS-Co DIN338 2/24/49	543190	2	24	49	X-Pack	10	1
HSS-Co DIN338 2,5/30/57	543195	2.5	30	57	X-Pack	10	1
HSS-Co DIN338 2,6/30/57	543196	2.6	30	57	X-Pack	10	1
HSS-Co DIN338 3/33/61	543200	3	33	61	X-Pack	10	1
HSS-Co DIN338 3,1/36/65	543201	3.1	36	65	X-Pack	10	1
HSS-Co DIN338 3,2/36/65	543202	3.2	36	65	X-Pack	10	1
HSS-Co DIN338 3,3/36/65	543203	3.3	36	65	X-Pack	10	1




## Technical Data

Metal drill bit D-HSS-Co XP							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 3,4/39/70	543204	3.4	39	70	X-Pack	10	1
HSS-Co DIN338 3,5/39/70	543205	3.5	39	70	X-Pack	10	1
HSS-Co DIN338 3,6/39/70	543206	3.6	39	70	X-Pack	10	1
HSS-Co DIN338 3,7/39/70	543207	3.7	39	70	X-Pack	10	1
HSS-Co DIN338 3,8/43/75	543208	3.8	43	75	X-Pack	10	1
HSS-Co DIN338 3,9/43/75	543209	3.9	43	75	X-Pack	10	1
HSS-Co DIN338 4/43/75	543210	4	43	75	X-Pack	10	1
HSS-Co DIN338 4,1/43/75	543211	4.1	43	75	X-Pack	10	1
HSS-Co DIN338 4,2/43/75	543212	4.2	43	75	X-Pack	10	1
HSS-Co DIN338 4,3/47/80	543213	4.3	47	80	X-Pack	10	1
HSS-Co DIN338 4,4/47/80	543214	4.4	47	80	X-Pack	10	1
HSS-Co DIN338 4,5/47/80	543215	4.5	47	80	X-Pack	10	1
HSS-Co DIN338 4,6/47/80	543216	4.6	47	80	X-Pack	10	1
HSS-Co DIN338 4,7/47/80	543217	4.7	47	80	X-Pack	10	1
HSS-Co DIN338 4,8/52/86	543218	4.8	52	86	X-Pack	10	1
HSS-Co DIN338 4,9/52/86	543219	4.9	52	86	X-Pack	10	1
HSS-Co DIN338 5/52/86	543220	5	52	86	X-Pack	10	1
HSS-Co DIN338 5,1/52/86	543221	5.1	52	86	X-Pack	10	1
HSS-Co DIN338 5,2/52/86	543222	5.2	52	86	X-Pack	10	1
HSS-Co DIN338 5,3/52/86	543223	5.4	52	86	X-Pack	10	1
HSS-Co DIN338 5,4/57/93	543224	5.4	57	93	X-Pack	10	1
HSS-Co DIN338 5,5/57/93	543225	5.5	57	93	X-Pack	10	1
HSS-Co DIN338 5,6/57/93	543226	5.6	57	93	X-Pack	10	1
HSS-Co DIN338 5,7/57/93	543227	5.7	57	93	X-Pack	10	1
HSS-Co DIN338 5,8/57/93	543228	5.8	57	93	X-Pack	10	1
HSS-Co DIN338 5,9/57/93	543229	5.9	57	93	X-Pack	10	1
HSS-Co DIN338 6/57/93	543230	6	57	93	X-Pack	10	1
HSS-Co DIN338 6,1/63/101	543231	6.1	63	101	X-Pack	10	1
HSS-Co DIN338 6,2/63/101	543232	6.2	63	101	X-Pack	10	1
HSS-Co DIN338 6,3/63/101	543233	6.3	63	101	X-Pack	10	1
HSS-Co DIN338 6,4/63/101	543234	6.4	63	101	X-Pack	10	1
HSS-Co DIN338 6,5/63/101	543235	6.5	63	101	X-Pack	10	1
HSS-Co DIN338 6,6/63/101	543236	6.6	63	101	X-Pack	10	1
HSS-Co DIN338 6,7/63/101	543237	6.7	63	101	X-Pack	10	1
HSS-Co DIN338 6,8/69/109	543238	6.8	69	109	X-Pack	10	1
HSS-Co DIN338 6,9/69/109	543239	6.9	69	109	X-Pack	10	1
HSS-Co DIN338 7/69/109	543240	7	69	109	X-Pack	10	1


## Technical Data

Metal drill bit D-HSS-Co XP							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 7,1/69/109	543241	7.1	69	109	X-Pack	5	1
HSS-Co DIN338 7,2/69/109	543242	7.2	69	109	X-Pack	5	1
HSS-Co DIN338 7,3/69/109	543243	7.3	69	109	X-Pack	5	1
HSS-Co DIN338 7,4/69/109	543244	7.4	69	109	X-Pack	5	1
HSS-Co DIN338 7,5/69/109	543245	7.5	69	109	X-Pack	5	1
HSS-Co DIN338 7,6/75/117	543246	7.6	75	117	X-Pack	5	1
HSS-Co DIN338 7,7/75/117	543247	7.7	75	117	X-Pack	5	1
HSS-Co DIN338 7,8/75/117	543248	7.8	75	117	X-Pack	5	1
HSS-Co DIN338 7,9/75/117	543249	7.9	75	117	X-Pack	5	1
HSS-Co DIN338 8,0/75/117	543250	8	75	117	X-Pack	5	1

## Technical Data

Metal drill bit D-HSS-Co XP							
							
D-HSS-Co							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-Co DIN338 8,1/75/117	543251	8.1	75	117	X-Pack	5	1
HSS-Co DIN338 8,2/75/117	543252	8.2	75	117	X-Pack	5	1
HSS-Co DIN338 8,3/75/117	543253	8.3	75	117	X-Pack	5	1
HSS-Co DIN338 8,4/75/117	543254	8.4	75	117	X-Pack	5	1
HSS-Co DIN338 8,5/75/117	543255	8.5	75	117	X-Pack	5	1
HSS-Co DIN338 9/81/125	543260	9	81	125	X-Pack	5	1
HSS-Co DIN338 9,5/81/125	543265	9.5	81	125	X-Pack	5	1
HSS-Co DIN338 10/87/133	543270	10	87	133	X-Pack	5	1
HSS-Co DIN338 10,2/87/133	543271	10.2	87	133	X-Pack	5	1
HSS-Co DIN338 10,5/87/133	543272	10.5	87	133	X-Pack	5	1
HSS-Co DIN338 11/94/142	543273	11	94	142	X-Pack	5	1
HSS-Co DIN338 11,5/94/142	543274	11.5	94	142	X-Pack	5	1
HSS-Co DIN338 12/101/151	543275	12	101	151	X-Pack	5	1
HSS-Co DIN338 12,5/101/151	543276	12.5	101	151	X-Pack	5	1
HSS-Co DIN338 13/101/151	543277	13	101	151	X-Pack	5	1

## Technical Data

Metal drill bit D-HSS-Co Set				
				
Item	Item no.	Packaging	Contents	Sales unit [pcs]
HSS-Co Set 1-10 mm	543329	Assortment box	19 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/86, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133	1
HSS-Co Set 1-13 mm	543330	Assortment box	25 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/86, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133, 10,5/87/133, 11/94/142, 11,5/94/142, 12/101/151, 12,5/101/151, 13/101/151	1

# Metal drill bit D-HSS-G

High-quality metal twist drill bit



Drilling in metal

3

## Applications

For drilling in steel and other metals:

- Brass
- Steel 900 N/mm<sup>2</sup>
- Cast steel alloyed and unalloyed
- Grey cast iron
- Malleable cast iron
- Sinter iron
- Spheroidal graphite iron
- Graphite
- Bronze
- Aluminium short chipping
- Hard plastics

## Advantages

- Robust HSS steel in combination with the production according to DIN 338, provides a high breaking resistance.
- Precision ground solid for long service life and high precision.
- Split point for optimum centering and reduced feed force effort.
- 135° tip angle for quick drilling progress.
- Type N spiral for optimum chip removal.

## Certificates



## Technical Data


### Metal drill bit D-HSS-G Pouch




D-HSS-G

Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN338 1/12/34	536516	1	12	34	Pouch	5	1
HSS-G DIN338 1,5/18/40	536517	1.5	18	40	Pouch	5	1
HSS-G DIN338 2/24/49	536518	2	24	49	Pouch	2	1
HSS-G DIN338 2,5/30/57	536519	2.5	30	57	Pouch	2	1
HSS-G DIN338 3/33/61	536524	3	33	61	Pouch	2	1
HSS-G DIN338 3,2/36/65	536529	3.2	36	65	Pouch	2	1

## Technical Data


Metal drill bit D-HSS-G Pouch							
							
D-HSS-G							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN338 3,5/39/70	536531	3.5	39	70	Pouch	2	1
HSS-G DIN338 4/43/75	536532	4	43	75	Pouch	2	1
HSS-G DIN338 4,2/43/75	536533	4.2	43	75	Pouch	1	1
HSS-G DIN338 4,5/47/80	536534	4.5	47	80	Pouch	1	1
HSS-G DIN338 5/52/86	536535	5	52	86	Pouch	1	1
HSS-G DIN338 5,5/57/93	536536	5.5	57	93	Pouch	1	1
HSS-G DIN338 6/57/93	536537	6	57	93	Pouch	1	1
HSS-G DIN338 6,5/63/101	536538	6.5	63	101	Pouch	1	1
HSS-G DIN338 7/69/109	536539	7	69	109	Pouch	1	1
HSS-G DIN338 7,5/69/109	536540	7.5	69	109	Pouch	1	1
HSS-G DIN338 8/75/117	536541	8	75	117	Pouch	1	1
HSS-G DIN338 8,5/75/117	536542	8.5	75	117	Pouch	1	1
HSS-G DIN338 9/81/125	536543	9	81	125	Pouch	1	1
HSS-G DIN338 9,5/81/125	536544	9.5	81	125	Pouch	1	1
HSS-G DIN338 10/87/133	536545	10	87	133	Pouch	1	1
HSS-G DIN338 10,5/87/133	536546	10.5	87	133	Pouch	1	1
HSS-G DIN338 11/94/142	536547	11	94	142	Pouch	1	1
HSS-G DIN338 11,5/94/142	536548	11.5	94	142	Pouch	1	1
HSS-G DIN338 12/101/151	536549	12	101	151	Pouch	1	1
HSS-G DIN338 12,5/101/151	536550	12.5	101	151	Pouch	1	1
HSS-G DIN338 13/101/151	536551	13	101	151	Pouch	1	1

## Technical Data


Metal drill bit D-HSS-G XP							
							
D-HSS-G							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN338 1,5/18/40	539200	1.5	18	40	X-Pack	10	1
HSS-G DIN338 2/24/49	539201	2	24	49	X-Pack	10	1
HSS-G DIN338 2,5/30/57	539202	2.5	30	57	X-Pack	10	1
HSS-G DIN338 3/33/61	539203	3	33	61	X-Pack	10	1
HSS-G DIN338 3,5/39/70	539204	3.5	39	70	X-Pack	10	1
HSS-G DIN338 4/43/75	539205	4	43	75	X-Pack	10	1
HSS-G DIN338 4,5/47/80	539206	4.5	47	80	X-Pack	10	1
HSS-G DIN338 5/52/86	539207	5	52	86	X-Pack	10	1
HSS-G DIN338 5,5/57/93	539208	5.5	57	93	X-Pack	10	1
HSS-G DIN338 6/57/93	539209	6	57	93	X-Pack	10	1
HSS-G DIN338 6,5/63/101	539210	6.5	63	101	X-Pack	10	1
HSS-G DIN338 7,0x69/109	539211	7	69	109	X-Pack	10	1
HSS-G DIN338 7,5x69/109	539212	7.5	69	109	X-Pack	10	1
HSS-G DIN338 8/75/117	539213	8	75	117	X-Pack	10	1




## Technical Data

Metal drill bit D-HSS-G XP							
							
D-HSS-G							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN338 8,5/75/117	539214	8.5	75	117	X-Pack	5	1
HSS-G DIN338 9/81/125	539215	9	81	125	X-Pack	5	1
HSS-G DIN338 9,5/81/125	539216	9.5	81	125	X-Pack	5	1
HSS-G DIN338 10/87/133	539217	10	87	133	X-Pack	5	1
HSS-G DIN338 10,5/87/133	539218	10.5	87	133	X-Pack	5	1
HSS-G DIN338 11/94/142	539219	11	94	142	X-Pack	5	1
HSS-G DIN338 11,5/94/142	539220	11.5	94	142	X-Pack	5	1
HSS-G DIN338 12/101/151	539221	12	101	151	X-Pack	5	1
HSS-G DIN338 12,5/101/151	539222	12.5	101	151	X-Pack	5	1
HSS-G DIN338 13/101/151	539223	13	101	151	X-Pack	5	1

## Technical Data

Metal drill bit D-HSS-G Set							
							
Item	Item no.	Packaging	Contents	Sales unit [pcs]			
HSS-G Set 2-8 mm	536602	Assortment box	6 pcs: 2/24/49, 3/33/61, 5/52/88, 6/57/93, 7/69/109, 8/75/117	1			
HSS-G Set 1-10 mm	536603	Assortment box	10 pcs: 1/12/34, 2/24/49, 3/33/61, 4/43/75, 5/52/88, 6/57/93, 7/69/109, 8/75/117, 9/81/125, 10/87/133	1			
HSS-G Set 1-10 mm	536604	Assortment box	19 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/88, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133	1			
HSS-G Set 1-13 mm	536605	Assortment box	25 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/88, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133, 10,5/87/133, 11/94/142, 11,5/94/142, 12/101/151, 12,5/101/151, 13 /101/151	1			

## Technical Data

Metal drill bit D-HSS-G DIN 340 XP							
							
D-HSS-G							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN340 2/56/85	543288	2	56	85	X-Pack	10	1
HSS-G DIN340 2,5/62/95	543289	2.5	62	95	X-Pack	10	1
HSS-G DIN340 3/66/100	543290	3	66	100	X-Pack	10	1
HSS-G DIN340 3,5/73/112	543291	3.5	73	112	X-Pack	10	1
HSS-G DIN340 4/78/119	543292	4	78	119	X-Pack	10	1
HSS-G DIN340 4,5/82/126	543293	4.5	82	126	X-Pack	10	1
HSS-G DIN340 5/87/132	543294	5	87	132	X-Pack	10	1
HSS-G DIN340 5,5/91/139	543295	5.5	91	139	X-Pack	10	1

## Technical Data

### Metal drill bit D-HSS-G DIN 340 XP



D-HSS-G

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DIN340 6/91/139	543296	6	91	139	X-Pack	10	1
HSS-G DIN340 6,5/97/148	543297	6.5	97	148	X-Pack	10	1
HSS-G DIN340 7/102/156	543298	7	102	156	X-Pack	10	1
HSS-G DIN340 7,5/102/156	543299	7.5	102	156	X-Pack	10	1
HSS-G DIN340 8/109/165	543300	8	109	165	X-Pack	10	1
HSS-G DIN340 8,5/109/165	543301	8.5	109	165	X-Pack	10	1
HSS-G DIN340 9/115/175	543302	9	115	175	X-Pack	10	1
HSS-G DIN340 9,5/115/175	543303	9.5	115	175	X-Pack	10	1
HSS-G DIN340 10/121/184	543304	10	121	184	X-Pack	10	1

3

# Metal drill bit D-HSS-G-DEB

The economical solution for thin metal



Drilling in metal

3

## Applications

- For drilling:
- Thin sheet metal
  - Metal profiles


## Advantages

- Double sided use in hand drilling machines leads to cost savings.
- Robust drill bit with high break resistance.
- Split point for optimum centering and reduced feed force effort.
- 135° tip angle for quick drilling process.

## Certificates



## Technical Data

Metal drill bit D-HSS-G DEB XP							
							
D-HSS-G DEB							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-G DEB 3,1/12/49	543278	3.1	12	49	X-Pack	10	1
HSS-G DEB 3,2/12/49	543279	3.2	12	49	X-Pack	10	1
HSS-G DEB 3,3/12/49	543280	3.3	12	49	X-Pack	10	1
HSS-G DEB 3,5/14/52	543281	3.5	14	52	X-Pack	10	1
HSS-G DEB 4/14/55	543282	4	14	55	X-Pack	10	1
HSS-G DEB 4,1/14/55	543283	4.1	14	55	X-Pack	10	1
HSS-G DEB 4,2/14/55	543284	4.2	14	55	X-Pack	10	1
HSS-G DEB 5/17,5/62	543285	5	17.5	62	X-Pack	10	1
HSS-G DEB 5,1/17,5/62	543286	5.1	17.5	62	X-Pack	10	1
HSS-G DEB 5,2/17,5/62	543287	5.2	17.5	62	X-Pack	10	1

# Metal drill bit D-HSS-R

High-performance metal twist drill bit



Drilling in metal

## Applications

For drilling in steel and other metals:

- Brass
- Steel 900 N/mm<sup>2</sup>
- Cast steel alloyed and unalloyed
- Grey cast iron
- Malleable cast iron
- Sinter iron
- Spheroidal graphite iron
- Graphite
- Bronze
- Aluminium short chipping

## Advantages

- Robust HSS steel in combination with the production according to DIN 338, provides a high breaking resistance.
- Chisel edge with strong side edges, insensitive to lateral forces.
- 118° tip angle for better heat removal and precise pilot drilling.
- Type N spiral for optimum chip removal.

## Certificates



## Technical Data


Metal drill bit D-HSS-R Blister card




D-HSS-R

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 1/12/34	530403	1	12	34	Blister card	2	1
HSS-R DIN338 1,5/18/40	530404	1.5	18	40	Blister card	2	1
HSS-R DIN338 2/24/49	530405	2	24	49	Blister card	2	1
HSS-R DIN338 2,5/30/57	530406	2.5	30	57	Blister card	2	1
HSS-R DIN338 3/33/61	530407	3	33	61	Blister card	2	1
HSS-R DIN338 3,5/39/70	530409	3.5	39	70	Blister card	2	1
HSS-R DIN338 4/43/75	530410	4	43	75	Blister card	2	1
HSS-R DIN338 4,5/47/80	530412	4.5	47	80	Blister card	1	1

## Technical Data


Metal drill bit D-HSS-R Blister card							
							
D-HSS-R							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 5/52/86	530413	5	52	86	Blister card	1	1
HSS-R DIN338 5,5/57/93	530415	5.5	57	93	Blister card	1	1
HSS-R DIN338 6/57/93	530416	6	57	93	Blister card	1	1
HSS-R DIN338 6,5/63/101	530417	6.5	63	101	Blister card	1	1
HSS-R DIN338 7/69/109	530418	7	69	109	Blister card	1	1
HSS-R DIN338 8/75/117	530483	8	75	117	Blister card	1	1
HSS-R DIN338 8,5/75/117	530484	8.5	75	117	Blister card	1	1
HSS-R DIN338 9/81/125	530485	9	81	125	Blister card	1	1
HSS-R DIN338 9,5/81/125	530486	9.5	81	125	-	1	1
HSS-R DIN338 10/87/133	530487	10	87	133	Blister card	1	1
HSS-R DIN338 11/94/142	530488	11	94	142	Blister card	1	1
HSS-R DIN338 12/101/151	530489	12	101	151	Blister card	1	1
HSS-R DIN338 13/101/151	530490	13	101	151	Blister card	1	1

## Technical Data


Metal drill bit D-HSS-R Pouch							
							
D-HSS-R							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 1/12/34	544414	1	12	34	Pouch	2	1
HSS-R DIN338 1,5/18/40	544415	1.5	18	40	Pouch	2	1
HSS-R DIN338 2/24/49	544416	2	24	49	Pouch	2	1
HSS-R DIN338 2,5/30/57	544417	2.5	30	57	Pouch	2	1
HSS-R DIN338 3/33/61	544418	3	33	61	Pouch	2	1
HSS-R DIN338 3,2/36/65	544419	3.2	36	65	Pouch	2	1
HSS-R DIN338 3,5/39/70	544420	3.5	39	70	Pouch	2	1
HSS-R DIN338 4/43/75	544421	4	43	75	Pouch	2	1
HSS-R DIN338 4,2/43/75	544422	4.2	43	75	Pouch	1	1
HSS-R DIN338 4,5/47/80	544423	4.5	47	80	Pouch	1	1
HSS-R DIN338 4,8/47/80	544424	4.8	47	80	Pouch	1	1
HSS-R DIN338 5/52/86	544425	5	52	86	Pouch	1	1
HSS-R DIN338 5,5/57/93	544426	5.5	57	93	Pouch	1	1
HSS-R DIN338 6/57/93	544427	6	57	93	Pouch	1	1
HSS-R DIN338 6,5/63/101	544428	6.5	63	101	Pouch	1	1
HSS-R DIN338 7/69/109	544429	7	69	109	Pouch	1	1
HSS-R DIN338 7,5/69/109	544430	7.5	69	109	Pouch	1	1
HSS-R DIN338 8/75/117	544431	8	75	117	Pouch	1	1
HSS-R DIN338 8,5/75/117	544432	8.5	75	117	Pouch	1	1
HSS-R DIN338 9/81/125	544433	9	81	125	Pouch	1	1
HSS-R DIN338 9,5/81/125	544434	9.5	81	125	Pouch	1	1
HSS-R DIN338 10/87/133	544435	10	87	133	Pouch	1	1
HSS-R DIN338 10,5/87/133	544436	10.5	87	133	Pouch	1	1
HSS-R DIN338 11/94/142	544437	11	94	142	Pouch	1	1
HSS-R DIN338 11,5/94/142	544438	11.5	94	142	Pouch	1	1
HSS-R DIN338 12/101/151	544440	12	101	151	Pouch	1	1
HSS-R DIN338 12,5/101/151	544441	12.5	101	151	Pouch	1	1
HSS-R DIN338 13/101/151	544442	13	101	151	Pouch	1	1




## Technical Data

Metal drill bit D-HSS-R Plastic tube							
							
D-HSS-R							
Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 13,5/108/160	543170	13.5	108	160	Plastic tube	1	1
HSS-R DIN338 14/108/160	536512	14	108	160	Plastic tube	1	1
HSS-R DIN338 14,5/114/169	543171	14.5	114	169	Plastic tube	1	1
HSS-R DIN338 15/114/169	543172	15	114	169	Plastic tube	1	1
HSS-R DIN338 15,5/120/178	543173	15.5	120	178	Plastic tube	1	1
HSS-R DIN338 16/120/178	536513	16	120	178	Plastic tube	1	1
HSS-R DIN338 16,5/125/184	543174	16.5	125	184	Plastic tube	1	1
HSS-R DIN338 17/125/184	543175	17	125	184	Plastic tube	1	1
HSS-R DIN338 17,5/130/191	543176	17.5	130	191	Plastic tube	1	1
HSS-R DIN338 18/130/191	536514	18	130	191	Plastic tube	1	1
HSS-R DIN338 18,5/135/198	543177	18.5	135	198	Plastic tube	1	1
HSS-R DIN338 19/135/198	543178	19	135	198	Plastic tube	1	1
HSS-R DIN338 19,5/140/205	543179	19.5	140	205	Plastic tube	1	1
HSS-R DIN338 20/140/205	536515	20	140	205	Plastic tube	1	1


## Technical Data

Metal drill bit D-HSS-R XP							
							
D-HSS-R							
Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 0,5/6/22	543068	0.5	6	22	X-Pack	10	1
HSS-R DIN338 0,6/7/24	543069	0.6	7	24	X-Pack	10	1
HSS-R DIN338 0,7/9/28	543070	0.7	9	28	X-Pack	10	1
HSS-R DIN338 0,8/10/30	543071	0.8	10	302	X-Pack	10	1
HSS-R DIN338 0,9/11/32	543072	0.9	11	32	X-Pack	10	1
HSS-R DIN338 1/12/34	543073	1	12	34	X-Pack	10	1
HSS-R DIN338 1,1/14/36	543074	1.1	14	36	X-Pack	10	1
HSS-R DIN338 1,2/16/38	543075	1.2	16	38	X-Pack	10	1
HSS-R DIN338 1,3/16/38	543076	1.3	16	38	X-Pack	10	1
HSS-R DIN338 1,4/18/40	543077	1.4	18	40	X-Pack	10	1
HSS-R DIN338 1,5/18/40	543078	1.5	18	40	X-Pack	10	1
HSS-R DIN338 1,6/20/43	543079	1.6	20	43	X-Pack	10	1
HSS-R DIN338 1,7/20/43	543080	1.7	20	43	X-Pack	10	1
HSS-R DIN338 1,8/22/46	543081	1.8	22	46	X-Pack	10	1
HSS-R DIN338 1,9/22/46	543082	1.9	22	46	X-Pack	10	1
HSS-R DIN338 2/24/49	543083	2	24	49	X-Pack	10	1
HSS-R DIN338 2,1/24/49	543084	2.1	24	49	X-Pack	10	1
HSS-R DIN338 2,2/27/53	543085	2.2	27	53	X-Pack	10	1
HSS-R DIN338 2,3/27/53	543086	2.3	27	53	X-Pack	10	1
HSS-R DIN338 2,4/30/57	543087	2.4	30	57	X-Pack	10	1
HSS-R DIN338 2,5/30/57	543088	2.5	30	57	X-Pack	10	1
HSS-R DIN338 2,6/30/57	543089	2.6	30	57	X-Pack	10	1
HSS-R DIN338 2,7/33/61	543090	2.7	33	61	X-Pack	10	1
HSS-R DIN338 2,8/33/61	543091	2.8	33	61	X-Pack	10	1
HSS-R DIN338 2,9/33/61	543092	2.9	33	61	X-Pack	10	1
HSS-R DIN338 3/33/61	543093	3	33	61	X-Pack	10	1
HSS-R DIN338 3,1/36/65	543094	3.1	36	65	X-Pack	10	1
HSS-R DIN338 3,2/36/65	543095	3.2	36	65	X-Pack	10	1
HSS-R DIN338 3,3/36/65	543096	3.3	36	65	X-Pack	10	1
HSS-R DIN338 3,4/39/70	543097	3.4	39	70	X-Pack	10	1
HSS-R DIN338 3,5/39/70	543098	3.5	39	70	X-Pack	10	1
HSS-R DIN338 3,6/39/70	543099	3.6	39	70	X-Pack	10	1

## Technical Data

Metal drill bit D-HSS-R XP							
							
D-HSS-R							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 3,7/39/70	543100	3.7	39	70	X-Pack	10	1
HSS-R DIN338 3,8/43/75	543101	3.8	43	75	X-Pack	10	1
HSS-R DIN338 3,9/43/75	543102	3.9	43	75	X-Pack	10	1
HSS-R DIN338 4/43/75	543103	4	43	75	X-Pack	10	1
HSS-R DIN338 4,1/43/75	543104	4.1	43	75	X-Pack	10	1
HSS-R DIN338 4,2/43/75	543105	4.2	43	75	X-Pack	10	1
HSS-R DIN338 4,3/47/80	543106	4.3	47	80	X-Pack	10	1
HSS-R DIN338 4,4/47/80	543107	4.4	47	80	X-Pack	10	1
HSS-R DIN338 4,5/47/80	543108	4.5	47	80	X-Pack	10	1
HSS-R DIN338 4,6/47/80	543109	4.6	47	80	X-Pack	10	1
HSS-R DIN338 4,7/47/80	543110	4.7	47	80	X-Pack	10	1
HSS-R DIN338 4,8/52/86	543111	4.8	52	86	X-Pack	10	1
HSS-R DIN338 4,9/52/86	543112	4.9	52	86	X-Pack	10	1
HSS-R DIN338 5/52/86	543113	5	52	86	X-Pack	10	1
HSS-R DIN338 5,1/52/86	543114	5.1	52	86	X-Pack	10	1
HSS-R DIN338 5,2/52/86	543115	5.2	52	86	X-Pack	10	1
HSS-R DIN338 5,3/52/86	543116	5.3	52	86	X-Pack	10	1
HSS-R DIN338 5,4/57/93	543117	5.4	57	93	X-Pack	10	1
HSS-R DIN338 5,5/57/93	543118	5.5	57	93	X-Pack	10	1
HSS-R DIN338 5,6/57/93	543119	5.6	57	93	X-Pack	10	1
HSS-R DIN338 5,7/57/93	543120	5.7	57	93	X-Pack	10	1
HSS-R DIN338 5,8/57/93	543121	5.8	57	93	X-Pack	10	1
HSS-R DIN338 5,9/57/93	543122	5.9	57	93	X-Pack	10	1
HSS-R DIN338 6/57/93	543123	6	57	93	X-Pack	10	1
HSS-R DIN338 6,1/63/101	543124	6.1	63	101	X-Pack	10	1
HSS-R DIN338 6,2/63/101	543125	6.2	63	101	X-Pack	10	1
HSS-R DIN338 6,3/63/101	543126	6.3	63	101	X-Pack	10	1
HSS-R DIN338 6,4/63/101	543127	6.4	63	101	X-Pack	10	1
HSS-R DIN338 6,5/63/101	543128	6.5	63	101	X-Pack	10	1
HSS-R DIN338 6,6/63/101	543129	6.6	63	101	X-Pack	10	1
HSS-R DIN338 6,7/63/101	543130	6.7	63	101	X-Pack	10	1
HSS-R DIN338 6,8/69/109	543131	6.8	69	109	X-Pack	10	1
HSS-R DIN338 6,9/69/109	543132	6.9	69	109	X-Pack	10	1
HSS-R DIN338 7/69/109	543133	7	69	109	X-Pack	10	1

## Technical Data

Metal drill bit D-HSS-R XP							
							
D-HSS-R							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 7,1/69/109	543134	7.1	69	109	X-Pack	5	1
HSS-R DIN338 7,2/69/109	543135	7.2	69	109	X-Pack	5	1
HSS-R DIN338 7,3/69/109	543136	7.3	69	109	X-Pack	5	1
HSS-R DIN338 7,4/69/109	543137	7.4	69	109	X-Pack	5	1
HSS-R DIN338 7,5/69/109	543138	7.5	69	109	X-Pack	5	1
HSS-R DIN338 7,6/75/117	543139	7.6	75	117	X-Pack	5	1
HSS-R DIN338 7,7/75/117	543140	7.7	75	117	X-Pack	5	1
HSS-R DIN338 7,8/75/117	543141	7.8	75	117	X-Pack	5	1
HSS-R DIN338 7,9/75/117	543142	7.9	75	117	X-Pack	5	1
HSS-R DIN338 8/75/117	543143	8	75	117	X-Pack	5	1
HSS-R DIN338 8,1/75/117	543144	8.1	75	117	X-Pack	5	1
HSS-R DIN338 8,2/75/117	543145	8.2	75	117	X-Pack	5	1
HSS-R DIN338 8,3/75/117	543146	8.3	75	117	X-Pack	5	1

## Technical Data

### Metal drill bit D-HSS-R XP



D-HSS-R

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HSS-R DIN338 8,4/75/117	543147	8.4	75	117	X-Pack	5	1
HSS-R DIN338 8,5/75/117	543148	8.5	75	117	X-Pack	5	1
HSS-R DIN338 9/81/125	543153	9	81	125	X-Pack	5	1
HSS-R DIN338 9,5/81/125	543158	9.5	81	125	X-Pack	5	1
HSS-R DIN338 10/87/133	543163	10	87	133	X-Pack	5	1
HSS-R DIN338 10,5/87/133	543164	10.5	87	133	X-Pack	5	1
HSS-R DIN338 11/94/142	543165	11	94	142	X-Pack	5	1
HSS-R DIN338 11,5/94/142	543166	11.5	94	142	X-Pack	5	1
HSS-R DIN338 12/101/151	543167	12	101	151	X-Pack	5	1
HSS-R DIN338 12,5/101/151	543168	12.5	101	151	X-Pack	5	1
HSS-R DIN338 13/101x151	543169	13	101	151	X-Pack	5	1

## Technical Data

### Metal drill bit D-HSS-R Set



HSS-R Set 1-10 mm



HSS-R Set 1-13 mm

Item	Item no.	Packaging	Contents	Sales unit [pcs]
HSS-R Set 1-10 mm	543327	Assortment box	19 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/86, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133	1
HSS-R Set 1-13 mm	543328	Assortment box	25 pcs: 1/12/34, 1,5/18/40, 2/24/49, 2,5/30/57, 3/33/61, 3,5/39/70, 4/43/75, 4,5/47/80, 5/52/86, 5,5/57/93, 6/57/93, 6,5/63/101, 7/69/109, 7,5/69/109, 8/75/117, 8,5/75/117, 9/81/125, 9,5/81/125, 10/87/133, 10,5/87/133, 11/94/142, 11,5/94/142, 12/101/151, 12,5/101/151, 13/101/151	1











# 4

## Wood drill bits

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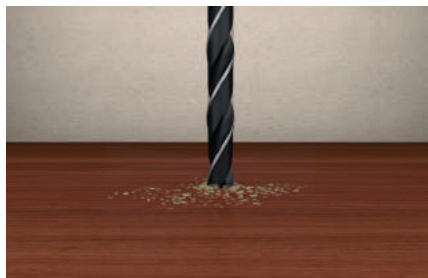
Wood drill bit D-WS	68	
Auger bit D-WL	70	
Forstner drill bit D-Wfo	72	
Flat wood drill bit D-WF	74	

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# Wood drill bit D-WS

Wood twist drill bit with centering tip for tear-free drilling



Drilling in plywood

4

## Applications

For precision, tear-free drill holes in:

- Wooden materials
- Wood and panel building materials
- Hard wood (e.g. beech, oak, etc.)
- Wooden beams
- Soft woods
- Chipboard
- Plywood
- Plastics

## Advantages

- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.
- High-quality CV steel for best drilling results.
- Two shoulder cutters for a clean and tear-free drill hole.
- With a ground chamfer for a precise drill hole.

## Technical Data

### Wood drill bit D-WS



D-WS

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WS 3/33/61	530630	3	33	61	Blister card	2	1
D-WS 4/43/75	530634	4	43	75	Blister card	2	1
D-WS 5/52/86	530635	5	52	86	Blister card	1	1
D-WS 6/60/97	530636	6	60	97	Blister card	1	1
D-WS 8/75/117	530638	8	75	117	Blister card	1	1
D-WS 10/87/133	530639	10	87	133	Blister card	1	1
D-WS 12/96/151	530640	12	96	151	Blister card	1	1
D-WS 14/97/151	551329	14	97	151	Blister card	1	1
D-WS 3/33/61	536571	3	33	61	Pouch	2	1
D-WS 4/43/75	536572	4	43	75	Pouch	2	1
D-WS 5/52/86	536573	5	52	86	Pouch	1	1
D-WS 6/60/97	536574	6	60	97	Pouch	1	1
D-WS 8/75/117	536576	8	75	117	Pouch	1	1
D-WS 10/87/133	536578	10	87	133	Pouch	1	1

## Technical Data

### Wood drill bit D-WS



D-WS

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WS 12/96/151	536579	12	96	151	Pouch	1	1
D-WS 14/97/151	536581	14	97	151	Pouch	1	1

## Technical Data

### Wood drill bit D-WS Set



D-WS Set 4-10 mm



D-WS Set 3-10 mm

Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-WS Set 4-10 mm	536608	Assortment box	5 pcs: 4/43/75, 5/52/86, 6/60/97, 8/75/117, 10/87/133	1
D-WS Set 3-10 mm	536609	Assortment box	5 pcs: 3/33/61, 4/43/75, 5/52/86, 6/60/97, 7/70/110, 8/75/117, 9/80/125, 10/87/133	1

# Auger bit D-WL

Auger bit with high drilling speed



Drilling in wood

4

## Applications

For drilling deep holes in:

- Wooden materials
- Wood and panel building materials
- Hard wood (e.g. beech, oak, etc.)
- Wooden beams
- Soft woods

For drilling holes for fixing solutions, such as fully threaded screws, threaded rods, bolts, etc.

## Advantages

- Centering tip with thread for a quick bite and drilling progress.
- Ground cutting edge with optimum geometry for fast chip removal.
- Pre-cutters for precise and tear-free drilling.
- Hardened head and main cutting edges lead to a long service life.
- Reduced cutting head prevents jamming in the drill hole.
- Large-volume spiral for fast chip removal.
- Hexagonal-shank for optimum hold and no slipping in the chuck.

## Certificates



## Technical Data

Auger bit D-WL							
D-WL							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WL 6/155/230	551330	6	155	230	Tube	1	1
D-WL 6/385/460	551050	6	385	460	Tube	1	1
D-WL 8/155/230	551331	8	155	230	Tube	1	1
D-WL 8/385/460	551402	8	385	460	Tube	1	1
D-WL 10/155/230	551332	10	155	230	Tube	1	1
D-WL 10/385/460	551403	10	385	460	Tube	1	1
D-WL 12/155/230	549997	12	155	230	Tube	1	1
D-WL 12/385/460	551333	12	385	460	Tube	1	1
D-WL 14/155/230	549998	14	155	230	Tube	1	1
D-WL 14/385/460	551334	14	385	460	Tube	1	1

## Technical Data

### Auger bit D-WL



D-WL

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WL 16/155/230	549999	16	155	230	Tube	1	1
D-WL 16/385/460	551335	16	385	460	Tube	1	1
D-WL 18/155/230	551000	18	155	230	Tube	1	1
D-WL 18/385/460	551404	18	385	460	Tube	1	1
D-WL 20/155/230	551001	20	155	230	Tube	1	1
D-WL 20/385/460	551336	20	385	460	Tube	1	1

## Technical Data

### Auger bit D-WL Set



D-WL Set 230



D-WL Set 320



D-WL Set 460



D-WL Set 600

Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-WL Set 230 mm	551424	Assortment box	6 pcs: 10/155/230, 12/155/230, 14/155/230, 16/155/230, 18/155/230, 20/155/230	1
D-WL Set 320 mm	551425	Assortment box	6 pcs: 10/245/320, 12/245/320, 14/245/320, 16/245/320, 18/245/320, 20/245/320	1
D-WL Set 460 mm	551426	Assortment box	6 pcs: 10/385/460, 12/385/460, 14/385/460, 16/385/460, 18/385/460, 20/385/460	1
D-WL Set 600 mm	551427	Assortment box	6 pcs: 10/530/600, 12/530/600, 14/530/600, 16/530/600, 18/530/600, 20/530/600	1

# Forstner drill bit D-WFo

Fast wood drill bit with serrated cutting edge and centering tip



Drilling in wood

4

## Applications

For drilling deep and accurately sized and splinter-free drill holes in:

- Hard wood (e.g. beech, oak, etc.)
- Wooden beams
- Soft woods
- Wood and panel building materials

Optimally suited for making blind holes, through holes and hinge holes.

For drilling out knot holes.

## Advantages

- Serrated cutting edges ensure fast and tear-free drilling.
- Reduced, ground main cutting edges for fast drilling progress.
- Centering tip for a simple and accurate spot drilling, prevents running on smooth surfaces.
- Reduced straight shaft as protection against injuries in case of drill bit jamming.

## Technical Data

Forstner drill bit D-Wfo



D-WFo

Item	Item no.	Drill diameter $d_0$ [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WFo 10/90	551428	10	90	Tube	1	1
D-WFo 12/90	551429	12	90	Tube	1	1
D-WFo 14/90	551430	14	90	Tube	1	1
D-WFo 15/90	551431	15	90	Tube	1	1
D-WFo 35/90	551339	35	90	Tube	1	1
D-WFo 16/90	551432	16	90	Tube	1	1
D-WFo 18/90	551433	18	90	Tube	1	1
D-WFo 20/90	551434	20	90	Tube	1	1
D-WFo 22/90	551435	22	90	Tube	1	1
D-WFo 24/90	551436	24	90	Tube	1	1
D-WFo 25/90	551337	25	90	Tube	1	1
D-WFo 26/90	551437	26	90	Tube	1	1



## Technical Data

### Forstner drill bit D-Wfo



D-WFo

Item	Item no.	Drill diameter $d_0$ [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-Wfo 28/90	551438	28	90	Tube	1	1
D-Wfo 30/90	551338	30	90	Tube	1	1
D-Wfo 32/90	551439	32	90	Tube	1	1
D-Wfo 38/90	551440	38	90	Tube	1	1
D-Wfo 40/90	551441	40	90	Tube	1	1

## Technical Data

### Forstner drill bit D-Wfo Set

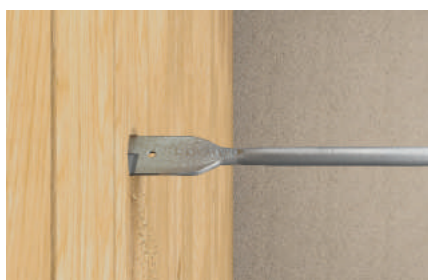


D-WFo Set

Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-WFo Set	551442	Assortment box	5 pcs: 15/90, 20/90, 25/90, 30/90, 35/90	1

# Flat wood drill bit D-WF

Wood drill bit for tear-free drilling in soft wood



Drilling in wood

4

## Applications

For drilling in:

- Medium-hard and soft woods
- Light building materials

## Advantages

- Centering tip for precise spot drilling.
- Side cutters for accurate and tear-free drilling.
- Hexagonal shank for optimum hold in the chuck.

## Certificates



## Technical Data

Flat wood drill bit D-WF



D-WF

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WF 12/42/160	530647	12	42	160	Blister card	1	1
D-WF 14/42/160	530650	14	42	160	Blister card	1	1
D-WF 16/42/160	530655	16	42	152	Blister card	1	1
D-WF 18/42/160	530656	18	42	152	Blister card	1	1
D-WF 20/42/160	530657	20	42	152	Blister card	1	1
D-WF 22/42/160	530658	22	42	152	Blister card	1	1
D-WF 24/46/160	530659	24	46	160	Blister card	1	1
D-WF 25/46/160	530660	25	46	152	Blister card	1	1
D-WF 26/46/160	530661	26	46	160	Blister card	1	1
D-WF 28/46/160	530663	28	46	160	Blister card	1	1
D-WF 30/46/160	530665	30	46	152	Blister card	1	1
D-WF 14/42/160	536583	14	42	160	Pouch	1	1
D-WF 16/42/160	536584	16	42	160	Pouch	1	1
D-WF 18/42/160	536585	18	42	160	Pouch	1	1
D-WF 20/42/160	536586	20	42	160	Pouch	1	1
D-WF 22/42/160	536587	22	42	160	Pouch	1	1

## Technical Data

Flat wood drill bit D-WF



D-WF

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-WF 24/46/160	536588	24	46	160	Pouch	1	1
D-WF 26/46/160	536589	26	46	160	Pouch	1	1
D-WF 28/46/160	536590	28	46	160	Pouch	1	1
D-WF 30/46/160	536591	30	46	160	Pouch	1	1
D-WF 32/46/161	536592	32	46	161	Pouch	1	1
D-WF 35/46/163	536593	35	46	163	Pouch	1	1





# 5

## Glass drill bit

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Glass drill bit D-GT

78





# Glass drill bit D-GT

Glass and tile drill bit with carbide cutting edge



Drilling in glas

5

## Applications

Ideally suited for drilling in:

- Tiles, ceramics
- Glass
- Mirror glas
- Porcelain

## Advantages

- Specially ground carbide tip enables the processing of hard materials.
- Cone point for precision pilot drilling on glass and tiles.
- Heat-resistant tip for long service life.


## Certificates



## Functioning

- Best drilling results are achieved at low speed and sufficient cooling with water, turpentine, vinegar or petroleum.
- Deactivate the impact of the machine.

## Technical Data

Glass drill bit D-GT							
							
D-GT							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-GT 5/11/70	551340	5	11	70	Blister card	2	1
D-GT 6/13/75	551341	6	13	75	Blister card	1	1
D-GT 4/10/60	551342	4	10	60	Blister card	1	1
D-GT 8/14/80	551343	8	14	80	Blister card	1	1
D-GT 10/15/100	551344	10	15	100	Blister card	1	1







# 6

## Universal drill bit

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Universal drill bit D-U Hex	82	
Universal drill bit D-U	84	

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# Universal drill bit D-U Hex

Universal drill bit with long lifetime in all materials.



6



Drilling the material combination of wood and masonry



Drilling the material combination of metal and concrete

## Applications

Ideal for drilling in different materials as well as material combinations.

For rotary drilling in:

- Solid brick
- Hollow brick
- Wood
- Tiles
- Plastics
- Aluminium
- Steel

For impact drilling in:

- Concrete
- Sand-lime brick

## Advantages

- Carbide tip with diamond-ground cutting edges ideally suited for drilling in material combinations.
- Wear-resistant tip is particularly suitable for drilling into harder materials, such as concrete.
- Universal use in different materials with only one drill bit saves time and costs.
- Special spiral geometry for optimum dust removal and long service life.
- Hexagonal shank enables high power transmission for rotary and impact drilling and is particularly suited for the use with cordless impact wrenches.
- PGM certification is guaranteed a precise hole creation for a secure application of the fixing.

## Certificates



## Functioning

- For rotary and impact drilling.



## Technical Data

### Universal drill bit D-U Hex



D-U Hex

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-U Hex 3/45/90	561640	3	45	90	Blister card	1	1
D-U Hex 4/45/90	561641	4	45	90	Blister card	1	1
D-U Hex 5/50/100	561642	5	50	100	Blister card	1	1
D-U Hex 6/60/100	561643	6	60	100	Blister card	1	1
D-U Hex 6.5/60/100	561644	6.5	60	100	Blister card	1	1
D-U Hex 7/60/100	561645	7	60	100	Blister card	1	1
D-U Hex 8/50/100	561646	8	50	100	Blister card	1	1
D-U Hex 10/90/150	561647	10	90	150	Blister card	1	1
D-U Hex 12/90/150	561648	12	90	150	Blister card	1	1

6

## Technical Data

### Universal drill bit D-U Hex Set



D-U Hex-Set

Item	Item no.	Packaging	Contents	Sales unit [pcs]
D-U Hex Set 5-12 mm	561649	Assortment box	5 pcs: 5/50/100, 6/60/100, 8/50/100, 10/90/150, 12/90/150	1

# Universal drill bit D-U

Universal drill bit with extremely sharp carbide tip



Drilling the material combination tile and concrete



Drilling in glas

6

## Applications

Ideal for drilling in different materials as well as material combinations:

- Tiles, ceramics
- Glass
- Plastics
- Wood
- Sheets

## Advantages

- Extremely sharp, specially ground carbide tip, ideally suited for drilling in material combinations.
- Extremely heat-resistant thanks to the high-quality soldering.
- Special carbide tip grinding for fast pilot drilling, also with battery-operated machines.
- Universal use in different materials with only one drill bit saves time and costs.


## Certificates



## Functioning

- Water cooling required.
- Deactivate the impact of the machine

## Technical Data

Universal drill bit D-U							
							
D-U							
Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
D-U 5/50/85	530623	5	50	85	Tube	1	1
D-U 6/65/100	530624	6	65	100	Tube	1	1
D-U 8/75/125	530626	8	75	125	Tube	1	1
D-U 10/90/150	530628	10	90	150	Tube	1	1











# 7

## Hole saws

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Diamond hole saw HS-DI	88	
Bi-metal hole saw HS-HSS-Co	89	
Multi-hole saw HS-Multi	91	

---



# Diamond hole saw HS-DI

Self-cooling diamond hole saw for extra-hard tiles



Wash basins



Fixings on tiled surfaces

7

## Applications

For drilling holes in:

- Tiles
- Glass
- Ceramics

## Advantages

- Diamond-tipped cutting edge for fast drilling progress.
- Nickel-coated surface for long service life.
- Diamond drill bit filled with special wax binds the drill dust and ensures a low dust formation.
- Hexagonal shank ensures good hold without slipping in the drill chuck.
- Problem solver for hard tiles.
- Precision drilling without damaging the material.
- No contamination with cooling liquid.

## Certificates



## Functioning

- Diamond drill bit filled with special wax for self-cooling drilling.
- Deactivate the impact of the machine.

## Technical Data

Diamond hole saw HS-DI							
HS-DI							
Item	Item no.	Drill diameter d <sub>0</sub> [mm]	Working length [mm]	Total length l [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HS-Di 5/50/80	551345	5	50	80	Tube	1	1
HS-Di 6/50/80	551346	6	50	80	Tube	1	1
HS-Di 8/40/80	551347	8	40	80	Tube	1	1
HS-Di 10/40/80	551348	10	40	80	Tube	1	1
HS-Di 12/40/80	551349	12	40	80	Tube	1	1
HS-Di 14/40/80	551350	14	40	80	Tube	1	1

# Bi-metal hole saw HS-HSS-Co

Cobalt-alloyed bi-metal hole saw with long service life



Drilling in metal

7

## Applications

For drilling holes in:

- Metal
- Stainless steel
- Plastics
- Soft wood
- Hard wood
- Particle boards
- Laminated panel
- Gypsum board

## Advantages

- 8% cobalt-alloyed cutting teeth enable a long service life.
- Variable tothing with 4-6 teeth per inch for faster sawing progress.
- Creation of precision holes up to 38 mm cutting depth in various materials.
- UNF thread for quick hole saw exchange.
- Positive tooth angle for low-vibration sawing.
- Adapter with hexagonal shank for optimal hold in the drill chuck and quick-change function (for hole saws with diameter 16-30 mm and 32-210 mm).

## Certificates



## Functioning

- Deactivate the impact of the machine.

## Technical Data

Bi-metal hole saw HS-HSS-Co



HS-HSS-Co

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HS-HSS-Co 19/38/50	531999	19	38	50	Blister card	1	1
HS-HSS-Co 22/38/50	532004	22	38	50	Blister card	1	1
HS-HSS-Co 25/38/50	532007	25	38	50	Blister card	1	1
HS-HSS-Co 30/38/50	532012	30	38	50	Blister card	1	1

## Technical Data

### Bi-metal hole saw HS-HSS-Co



HS-HSS-Co

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HS-HSS-Co 33/38/50	532015	33	38	50	Blister card	1	1
HS-HSS-Co 35/38/50	532016	35	38	50	Blister card	1	1
HS-HSS-Co 38/38/44	532018	38	38	44	Blister card	1	1
HS-HSS-Co 40/38/44	532019	40	38	44	Blister card	1	1
HS-HSS-Co 44/38/44	532022	44	38	44	Blister card	1	1
HS-HSS-Co 51/38/44	532025	51	38	44	Blister card	1	1
HS-HSS-Co 54/38/44	532028	54	38	44	Blister card	1	1
HS-HSS-Co 60/38/44	532032	60	38	44	Blister card	1	1
HS-HSS-Co 65/38/44	532034	65	38	44	Blister card	1	1
HS-HSS-Co 67/38/44	532035	67	38	44	Blister card	1	1
HS-HSS-Co 68/38/44	532036	68	38	44	Blister card	1	1
HS-HSS-Co 76/38/44	532042	76	38	44	Blister card	1	1
HS-HSS-Co 83/38/44	532044	83	38	44	Blister card	1	1
HS-HSS-Co 102/38/44	532054	102	38	44	Blister card	1	1
HS-HSS-Co 127/38/44	532055	127	38	44	Plastic clip	1	1
HS-HSS-Co 152/38/44	532056	152	38	44	Plastic clip	1	1

## Technical Data

### System components of Bi-metal hole saw HS-HSS-Co



HS-HSS-Co A1

HS-HSS-Co A2

Center drill bit

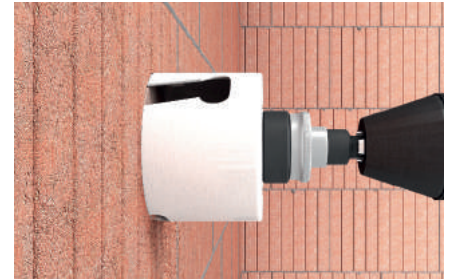
Item	Item no.	Total length $l$ [mm]	Packaging	Contents	Sales unit [pcs]
Complete Adapter HS-HSS-Co A1	532057	–	Tube		1
Complete Adapter HS-HSS-Co A2	532058	–	Tube		1
Center drill bit HS-HSS-Co	532061	90	Tube		1

# Multi-hole saw HS-Multi

Multi-hole saw with carbide cutting edges for wood and panel building materials.



Drilling in wood



Drilling in hollow brick

7

## Applications

For drilling holes in:

- Soft woods
- Hard wood (e.g. beech, oak, etc.)
- MDF boards
- Gypsum plasterboard
- Aerated concrete
- Plastics
- Vertically perforated brick

## Advantages

- Carbide cutting edges for fast drilling progress and long service life.
- Universal use in woods, panel building materials and vertically perforated bricks.
- UNF thread for quick hole saw exchange.
- Adapter with hexagonal shank for optimal hold in the drill chuck and quick-change function (for hole saws with diameter 20-102 mm).

## Certificates



## Functioning

- Deactivate the impact of the machine.

## Technical Data

### Multi-hole saw HS-Multi



HS-Multi

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HS-Multi 20/51/65	551351	20	51	65	Blister card	1	1
HS-Multi 25/51/65	551353	25	51	65	Blister card	1	1
HS-Multi 30/51/65	551354	30	51	65	Blister card	1	1
HS-Multi 35/51/65	551358	35	51	65	Blister card	1	1
HS-Multi 40/59/65	551360	40	59	65	Blister card	1	1
HS-Multi 51/59/65	551361	51	59	65	Blister card	1	1
HS-Multi 60/59/65	551362	60	59	65	Blister card	1	1

## Technical Data

### Multi-hole saw HS-Multi



HS-Multi

Item	Item no.	Drill diameter $d_0$ [mm]	Working length [mm]	Total length $l$ [mm]	Packaging	Contents [pcs.]	Sales unit [pcs]
HS-Multi 68/59/65	551363	68	59	65	Blister card	1	1
HS-Multi 83/59/65	551364	83	59	65	Blister card	1	1
HS-Multi 89/59/65	551365	89	59	65	Blister card	1	1
HS-Multi 102/59/65	551366	102	59	65	Blister card	1	1

## Technical Data

### System components of Multi saw HS



HS-Multi A1 S

HS-Multi A2 S

Item	Item no.	Packaging	Contents	Sales unit [pcs]
Complete Adapter HS-Multi A1 S	551367	Tube		1
Complete Adapter HS-Multi A2 S	551368	Tube		1







# 8

## Chisel

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Premium chisel FCP	96	
Standard chisel	97	

---



# Premium chisel FCP

Premium Chisel with SDS Plus and SDS Max shank for maximum performance and lifetime



Chiseling in concrete wall

8

## Applications

Suitable for creating holes, slots and installation paths as well as breakthroughs in:

- Concrete
- Masonry
- Natural stone

## Advantages

- Extended working tip in comparison to the standard chisel for an increased lifetime.
- Self-sharpening design for economical working and reducing downtime.
- Advanced 'jam protection' for reduced friction.
- Specially designed working tip increases the performance and ensures a high removal of material.

## Certificates



## Technical Data

Premium chisel FCP						
Item	Item no.	Type	Length l [mm]	Width B [mm]	Sales unit [pcs]	
FCP Pointed 250	546314	Pointed	250	-	1	
FCP Flat 20/250	546315	Flat	250	20	1	
FCP Spade 40/250	546316	Spade	250	40	1	
FCP Max Pointed 400	546317	Pointed	400	-	1	
FCP Max Flat 25/400	546318	Flat	400	25	1	
FCP Max Spade 50/380	546319	Spade	380	50	1	

# Standard chisel

High-performance chisels with SDS Plus and SDS Max shank



Chiseling in concrete wall

8

## Applications

Suitable for creating holes, slots and installation paths in:

- Concrete
- Masonry
- Natural stone

## Advantages

- The SDS Plus and SDS Max drill chuck for the chisel enable the use with professional hammer drilling machines and ensure proven and safe transfer of force.
- The use of a high quality, specially

- hardened steel with surface protection increases the life span of the tools.
- The high oscillation endurance allows for high work comfort and contributes to the achievement of clean results.

## Certificates



## Functioning

- Chisel for use in hammer drills with SDS Plus or SDS Max seat.

## Technical Data






### Standard chisel



Item	Item no.	Type	Length l [mm]	Width B [mm]	Sales unit [pcs]
SDS Plus Pointed 250	504277	Pointed	250	12	1
SDS Max Pointed 280	504281	Pointed	280	16	1
SDS Max Pointed 400	504282	Pointed	400	20	1
SDS Max Pointed 600	504283	Pointed	600	27	1
SDS Plus Flat 20/250	504278	Flat	250	20	1
SDS Max Flat 25/280	504284	Flat	280	25	1
SDS Max Flat 25/400	504286	Flat	400	25	1
SDS Max Flat 25/600	504287	Flat	600	25	1
SDS Plus Scaling 40/250	504279	Spade	250	40	1
SDS Max Scaling 50/400	504288	Spade	400	50	1
SDS Max Scaling 80/300	504290	Spade	300	80	1
SDS Max Scaling 115/350	504291	Spade	350	115	1
SDS Plus Hollow 22/250	504280	Hollow	250	22	1
SDS Plus Tile scaling 40/250	531437	Tiles	250	40	1



## Technical Data

Standard chisel					
					
SDS Max Pointed	SDS Max Flat	SDS Max Spade	SDS Plus Hollow	SDS Max Tiles	
Item	Item no.	Type	Length l [mm]	Width B [mm]	Sales unit [pcs]
SDS Max Tile Scaling 50/400	504295	Tiles	400	50	1
SDS Max Stocker 45/240	001253	-	240	45	1









# 9 Services

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All the data in this catalogue concerning work with our fixing elements must be adapted to suit local conditions and the type of materials in use.

If no detailed performance specifications are given for certain articles and types, please contact our Technical Service Department for advice.

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