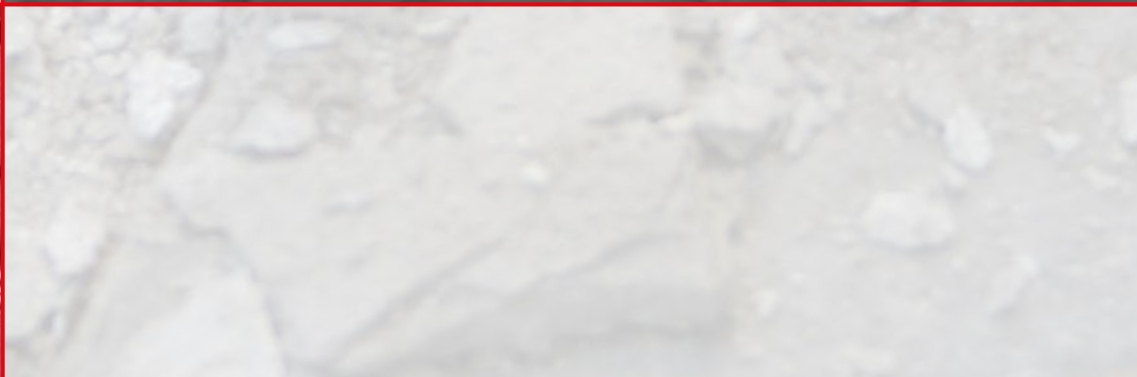
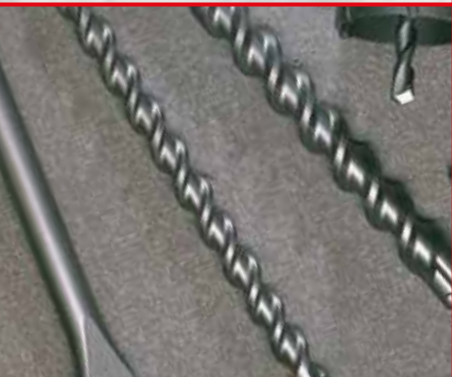




# CONCRETE DRILLS



## SDS-plus hammer drills

Highest solidity of the hammer drill is guaranteed by a strengthening of the core, therefore maximum power transmission. High capacity of resistance to wear on the basic of special hardening-blastening. Grooves for optimum removal of bore dust. Suitable for mounting parts. Applications: for drilling in granite, concrete, clinker, stone, masonry, tiles and marble. Suitable in all hammer drills with SDS-plus adaptor and 2-groove-adaptor as i. e. Hilti TE 10-22.

Cutting edge: strong special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: SDS-plus design  
 right hand cutting



Packaging: in plastic clip of 1 each



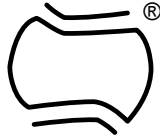
Ø mm	Ø inch	Total length mm	Working length mm	Article no.
3,5	9/64	110,0	50,0	211 035
4,0	5/32	110,0	50,0	211 040
4,0	5/32	160,0	100,0	211 041
<b>5,0</b>	<b>3/16</b>	<b>110,0</b>	<b>50,0</b>	211 050
<b>5,0</b>	<b>3/16</b>	<b>160,0</b>	<b>100,0</b>	211 051
5,0	3/16	210,0	150,0	211 052
5,5	7/32	110,0	50,0	211 055
5,5	7/32	160,0	100,0	211 056
<b>6,0</b>	<b>15/64</b>	<b>110,0</b>	<b>50,0</b>	211 060
<b>6,0</b>	<b>15/64</b>	<b>160,0</b>	<b>100,0</b>	211 061
6,0	15/64	210,0	150,0	211 062
6,0	15/64	260,0	200,0	211 063
6,0	15/64	460,0	* 400,0	211 068
6,5	8/32	110,0	50,0	211 065
6,5	8/32	160,0	100,0	211 066
6,5	8/32	210,0	150,0	211 067
6,5	8/32	260,0	200,0	211 069
7,0	9/32	110,0	50,0	211 070
7,0	9/32	160,0	100,0	211 071
7,0	9/32	210,0	150,0	211 072
<b>8,0</b>	<b>5/16</b>	<b>110,0</b>	<b>50,0</b>	211 080
<b>8,0</b>	<b>5/16</b>	<b>160,0</b>	<b>100,0</b>	211 081
<b>8,0</b>	<b>5/16</b>	<b>210,0</b>	<b>150,0</b>	211 082
8,0	5/16	260,0	200,0	211 083
8,0	5/16	310,0	250,0	211 085
8,0	5/16	460,0	* 400,0	211 084
8,0	5/16	610,0	* 550,0	211 086
9,0	11/32	160,0	100,0	211 090
9,0	11/32	210,0	150,0	211 091
<b>10,0</b>	<b>3/8</b>	<b>110,0</b>	<b>50,0</b>	211 105
<b>10,0</b>	<b>3/8</b>	<b>160,0</b>	<b>100,0</b>	211 100
<b>10,0</b>	<b>3/8</b>	<b>210,0</b>	<b>150,0</b>	211 101
<b>10,0</b>	<b>3/8</b>	<b>260,0</b>	<b>200,0</b>	211 102
10,0	3/8	310,0	250,0	211 104
10,0	3/8	360,0	300,0	211 103
10,0	3/8	460,0	* 400,0	211 106
10,0	3/8	610,0	* 550,0	211 107
10,0	3/8	1000,0	* 950,0	211 108
11,0	7/16	160,0	100,0	211 110
11,0	7/16	210,0	150,0	211 111
11,0	7/16	260,0	200,0	211 112
<b>12,0</b>	<b>15/32</b>	<b>160,0</b>	<b>100,0</b>	211 120
<b>12,0</b>	<b>15/32</b>	<b>210,0</b>	<b>150,0</b>	211 122
<b>12,0</b>	<b>15/32</b>	<b>260,0</b>	<b>200,0</b>	211 121
12,0	15/32	310,0	250,0	211 124
12,0	15/32	460,0	* 400,0	211 123
12,0	15/32	600,0	* 550,0	211 125
12,0	15/32	1000,0	* 950,0	211 126
13,0	1/2	160,0	100,0	211 130

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
13,0	1/2	210,0	150,0	211 133
13,0	1/2	260,0	200,0	211 131
13,0	1/2	310,0	250,0	211 132
<b>14,0</b>	<b>9/16</b>	<b>160,0</b>	<b>100,0</b>	211 140
<b>14,0</b>	<b>9/16</b>	<b>210,0</b>	<b>150,0</b>	211 141
<b>14,0</b>	<b>9/16</b>	<b>260,0</b>	<b>200,0</b>	211 142
14,0	9/16	310,0	250,0	211 143
14,0	9/16	460,0	* 400,0	211 144
14,0	9/16	600,0	* 550,0	211 145
14,0	9/16	1000,0	* 950,0	211 146
15,0	19/32	160,0	100,0	211 150
15,0	19/32	210,0	150,0	211 152
15,0	19/32	260,0	200,0	211 151
15,0	19/32	450,0	* 400,0	211 153
16,0	5/8	160,0	100,0	211 162
16,0	5/8	210,0	150,0	211 160
16,0	5/8	250,0	200,0	211 163
16,0	5/8	310,0	250,0	211 164
16,0	5/8	450,0	* 400,0	211 161
16,0	5/8	600,0	* 550,0	211 165
16,0	5/8	800,0	* 750,0	211 166
16,0	5/8	1000,0	* 950,0	211 167
17,0	43/64	210,0	150,0	211 170
18,0	11/16	200,0	150,0	211 180
18,0	11/16	250,0	200,0	211 184
18,0	11/16	300,0	250,0	211 183
18,0	11/16	450,0	* 400,0	211 181
18,0	11/16	600,0	* 550,0	211 185
18,0	11/16	1000,0	* 950,0	211 182
19,0	3/4	200,0	150,0	211 190
19,0	3/4	450,0	* 400,0	211 191
20,0	25/32	200,0	150,0	211 200
20,0	25/32	300,0	250,0	211 201
20,0	25/32	450,0	* 400,0	211 202
20,0	25/32	600,0	* 550,0	211 203
20,0	25/32	1000,0	* 950,0	211 204
22,0	7/8	250,0	200,0	211 221
22,0	7/8	300,0	250,0	211 222
22,0	7/8	450,0	* 400,0	211 220
22,0	7/8	600,0	* 550,0	211 223
22,0	7/8	1000,0	* 950,0	211 224
24,0	15/16	250,0	200,0	211 240
24,0	15/16	450,0	* 400,0	211 241
25,0	63/64	250,0	200,0	211 251
25,0	63/64	300,0	250,0	211 252
25,0	63/64	450,0	* 400,0	211 250
25,0	63/64	1000,0	* 950,0	211 253
26,0	1 3/16	250,0	200,0	211 261
26,0	1 3/16	450,0	* 400,0	211 260

\* Please note when using these bits it is recommended to pre-drill with a shorter hammer drill of a same diameter. Mostly required diameters are emphasized in **extra-bold** letters.

## SDS-plus hammer drills in plastic box

Cutting edge: strong special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: SDS-plus design  
 right hand cutting



Packing unit: in plastic box

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
5,0	3/16	110,0	50,0	10	211 050 K
5,0	3/16	160,0	100,0	10	211 051 K
6,0	15/64	110,0	50,0	10	211 060 K
6,0	15/64	160,0	100,0	10	211 061 K
8,0	5/16	110,0	50,0	10	211 080 K
8,0	5/16	160,0	100,0	10	211 081 K
8,0	5/16	210,0	150,0	10	211 082 K

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
10,0	3/8	110,0	50,0	10	211 105 K
10,0	3/8	160,0	100,0	10	211 100 K
12,0	15/32	160,0	100,0	10	211 120 K
12,0	15/32	210,0	150,0	10	211 122 K
14,0	9/16	160,0	100,0	5	211 140 K
14,0	9/16	210,0	150,0	5	211 141 K

## SDS-plus hammer drill set in steel case

Description	Article no.
7-piece set of SDS-plus hammer drills Ø 5,0 - 6,0 - 8,0 x 110,0 mm and Ø 6,0 - 8,0 - 10,0 - 12,0 x 160,0 mm	205 246



## SDS-plus hammer drills set in polystyrene case

Description	Article no.
7-piece set of SDS-plus hammer drills Ø 5,0 - 6,0 - 8,0 x 110,0 mm and Ø 6,0 - 8,0 - 10,0 - 12,0 x 160,0 mm	205 246 RO



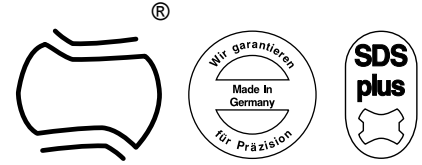
This Certification mark guarantees that our hammer drills are manufactured in compliance with the rules and regulations of the „Institute of Structural Engineering“ and are usable for the manufacturing of dowel-holes.



## SDS-plus hammer drills TC5X

Extreme stability through core strengthening, thereby providing maximum power transmission from hammer drill to drill bit. High wear resistance due to special blasting treatment for hardening. Spiral geometry for optimal drilling dust removal. Particularly suitable for fastening techniques, because a wear mark serves as a control point and thus ensures an exact drill diameter. Applications: for granite, concrete, clinker, stone, brick, tile and marble. In all hammer drills with SDS-plus adaptor and 2-groove adaptor such as Hilti TE 10-22.

Cutting edge: solid carbide head in special alloying  
 Point: 4 cutters with conical centering point for precise drilling guidance  
 Soldering: Innovative diffusion bonding technology  
 Shank: SDS-plus design  
 right hand cutting



Packaging: in plastic clip of 1 each



Ø mm	Ø inch	Total length mm	Working length mm	Article no.
5,0	3/16	110,0	50,0	<b>213 050</b>
5,0	3/16	160,0	100,0	<b>213 051</b>
5,0	3/16	210,0	150,0	<b>213 052</b>
5,5	7/32	110,0	50,0	<b>213 055</b>
5,5	7/32	160,0	100,0	<b>213 056</b>
6,0	15/64	110,0	50,0	<b>213 060</b>
6,0	15/64	160,0	100,0	<b>213 061</b>
6,0	15/64	210,0	150,0	<b>213 062</b>
6,0	15/64	260,0	200,0	<b>213 063</b>
6,5	8/32	110,0	50,0	<b>213 065</b>
6,5	8/32	160,0	100,0	<b>213 066</b>
6,5	8/32	260,0	200,0	<b>213 067</b>
8,0	5/16	110,0	50,0	<b>213 080</b>
8,0	5/16	160,0	100,0	<b>213 081</b>
8,0	5/16	210,0	150,0	<b>213 082</b>
8,0	5/16	260,0	200,0	<b>213 083</b>
8,0	5/16	360,0	300,0	<b>213 084</b>

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
8,0	5/16	460,0	400,0	<b>213 085</b>
10,0	3/8	110,0	50,0	<b>213 100</b>
10,0	3/8	160,0	100,0	<b>213 101</b>
10,0	3/8	210,0	150,0	<b>213 102</b>
10,0	3/8	260,0	200,0	<b>213 103</b>
10,0	3/8	360,0	300,0	<b>213 104</b>
10,0	3/8	450,0	400,0	<b>213 105</b>
12,0	15/32	160,0	100,0	<b>213 120</b>
12,0	15/32	210,0	150,0	<b>213 121</b>
12,0	15/32	260,0	200,0	<b>213 122</b>
12,0	15/32	360,0	300,0	<b>213 123</b>
12,0	15/32	450,0	400,0	<b>213 124</b>
14,0	9/16	160,0	100,0	<b>213 140</b>
14,0	9/16	210,0	150,0	<b>213 141</b>
14,0	9/16	260,0	200,0	<b>213 142</b>
14,0	9/16	365,0	300,0	<b>213 143</b>
14,0	9/16	465,0	400,0	<b>213 144</b>



**NEW**

## SDS-plus hammer drills TC5X in plastic box

Cutting edge: solid carbide head in special alloying  
 Point: 4 cutters with conical centering point for precise drilling guidance  
 Soldering: Innovative diffusion bonding technology  
 Shank: SDS-plus design  
 right hand cutting



Packing unit: in plastic box

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
5,0	3/16	110,0	50,0	10	<b>213 050 K</b>
5,0	3/16	160,0	100,0	10	<b>213 051 K</b>
6,0	15/64	110,0	50,0	10	<b>213 060 K</b>
6,0	15/64	160,0	100,0	10	<b>213 061 K</b>
8,0	5/16	110,0	50,0	10	<b>213 080 K</b>
8,0	5/16	160,0	100,0	10	<b>213 081 K</b>
8,0	5/16	210,0	150,0	10	<b>213 082 K</b>

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
10,0	3/8	110,0	50,0	10	<b>213 100 K</b>
10,0	3/8	160,0	100,0	10	<b>213 101 K</b>
12,0	15/32	160,0	100,0	10	<b>213 120 K</b>
12,0	15/32	210,0	150,0	10	<b>213 121 K</b>
14,0	9/16	160,0	100,0	5	<b>213 140 K</b>
14,0	9/16	210,0	150,0	5	<b>213 141 K</b>

## SDS-plus hammer drill TC5X set in steel case

Description	Article no.
7-piece set of SDS-plus hammer drills TC5X Ø 5,0 - 6,0 - 8,0 x 110,0 mm and Ø 6,0 - 8,0 - 10,0 - 12,0 x 160,0 mm	<b>213 246</b>



## SDS-plus hammer drills TC5X set in polystyrene case

Description	Article no.
7-piece set of SDS-plus hammer drills TC5X Ø 5,0 - 6,0 - 8,0 x 110,0 mm and Ø 6,0 - 8,0 - 10,0 - 12,0 x 160,0 mm	<b>213 246 RO</b>



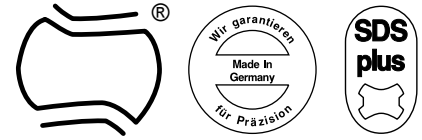
\* Please note when using these bits it is recommended to pre-drill with a shorter hammer drill of a same diameter.  
 Mostly required diameters are emphasized in **extra-bold** letters.

2.01

## SDS-plus concrete hammer drills with 4 cutters

Strengthening of the core with maximum power transmission. No risk of fracture when gathering armoring. Two big bore dust grooves ensure optimal removal of the bore dust. Reduced vibrations and less friction result in less drilling time. Applications: for drilling in granite, concrete, stone, masonry. Suitable in all hammer drills with SDS-plus adaptor and 2-groove-adaptor as i. e. Hilti TE 10-22.

Cutters: slight multi-cutter milling head  
with special tungsten carbide plate in special alloying  
Soldering: high-performance special soldering  
Shank: SDS-plus design  
right hand cutting



Packaging: in plastic bags of 1 each



Ø mm	Ø inch	Total length mm	Working length mm	Quantity of cutters	Article no.
16,0	5/8	250,0	200,0	4	224 161
16,0	5/8	450,0	* 400,0	4	224 160
18,0	11/16	250,0	200,0	4	224 180
18,0	11/16	450,0	* 400,0	4	224 181
20,0	25/32	250,0	200,0	4	224 200
20,0	25/32	450,0	* 400,0	4	224 201
22,0	7/8	450,0	* 400,0	4	224 220

Ø mm	Ø inch	Total length mm	Working length mm	Quantity of cutters	Article no.
24,0	15/16	250,0	200,0	4	224 241
24,0	15/16	450,0	* 400,0	4	224 240
25,0	63/64	450,0	* 400,0	4	224 250
28,0	1 1/8	250,0	200,0	4	224 281
28,0	1 1/8	450,0	* 400,0	4	224 280
30,0	1 3/16	450,0	* 400,0	4	224 300

\* Please note when using these bits it is recommended to pre-drill with a shorter hammer drill of a same diameter.

## Concrete drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039

Concrete drill with longer life, extremely tenacious, high resiliency and drilling capacity for extreme stressing with special alloyed steel quality. Exact drilling is guaranteed with precision removing of the carbide cutting edges. Applications: for drilling in granite, concrete, clinker, stone, masonry, tiles and marble. Suitable for light hammer drills and strong impact drilling machines with taper shaft for drill chucks.

Cutting edge: strong special tungsten carbide plate in special alloying  
Point angle: 130°  
Soldering: high-performance special soldering  
Shank: straight shank  
right hand cutting



Packing unit: in plastic bags of 1



Ø mm	Ø inch	Total length mm	Working length mm	Article no.
3,0	1/8	70,0	40,0	221 030
4,0	5/32	75,0	40,0	221 040
5,0	3/16	85,0	50,0	221 050
5,0	3/16	150,0	90,0	221 051
6,0	15/64	100,0	60,0	221 060
6,0	15/64	150,0	90,0	221 061
6,5	1/4	100,0	60,0	221 065
6,5	1/4	150,0	90,0	221 066
7,0	9/32	100,0	60,0	221 070
8,0	5/16	120,0	80,0	221 080
8,0	5/16	250,0	200,0	221 081

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
10,0	3/8	120,0	80,0	221 100
10,0	3/8	250,0	200,0	221 101
12,0	15/32	150,0	90,0	221 120
12,0	15/32	250,0	200,0	221 121
13,0	1/2	150,0	90,0	221 130
14,0	9/16	150,0	90,0	221 140
14,0	9/16	250,0	200,0	221 141
15,0	19/32	160,0	100,0	221 150
16,0	5/8	160,0	100,0	221 160
18,0	11/16	160,0	100,0	221 180
20,0	25/32	160,0	100,0	221 200

### Concrete drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in plastic box

Cutting edge: strong special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: straight shank  
 right hand cutting



Packing unit: in plastic box

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
4,0	5/32	75,0	40,0	10	221 040 K
5,0	3/16	85,0	50,0	10	221 050 K
6,0	15/64	100,0	60,0	10	221 060 K
8,0	5/16	120,0	80,0	10	221 080 K

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
10,0	3/8	120,0	80,0	10	221 100 K
12,0	15/32	150,0	90,0	5	221 120 K
14,0	9/16	150,0	90,0	5	221 140 K

### Concrete drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in steel case

Description	Article no.
7 - piece set of concrete drills with carbide cutting edge and straight shank Ø 4,0 x 75,0 mm - 5,0 x 85,0 mm - 6,0 x 100,0 mm - 6,0 x 100,0 mm Ø 8,0 x 120,0 mm - 10,0 x 120,0 mm - 12,0 x 150,0 mm	205 255



### Concrete drill set with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in polystyrene case

Description	Article no.
7 - piece set of concrete drills with carbide cutting edge and straight shank Ø 4,0 x 75,0 mm - 5,0 x 85,0 mm - 6,0 x 100,0 mm - 6,0 x 100,0 mm Ø 8,0 x 120,0 mm - 10,0 x 120,0 mm - 12,0 x 150,0 mm	205 255 RO



## Masonry drills extra long with carbide cutting edge and hexagon shank ISO 5468 - DIN 8039

Masonry drill made from coated special steel with high tenacity and resiliency in a special rugged finish. Good drilling capacity for highest stressing. Suitable for drilling in deep holes and walls. Applications: for concrete, stone, masonry. Suitable for impact drilling machines with taper shaft for drilling chucks.

Cutting edge: special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: hexagon shank  
 right hand cutting

Packing unit: in plastic bags of 1



Ø mm	Ø inch	Total length mm	Working length mm	Article no.
8,0	5/16	400,0	350,0	218 080
10,0	3/8	400,0	350,0	218 100
10,0	3/8	600,0	* 550,0	218 101
12,0	15/32	400,0	350,0	218 120
12,0	15/32	600,0	* 550,0	218 121
14,0	9/16	400,0	350,0	218 140
14,0	9/16	600,0	* 550,0	218 141

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
16,0	5/8	400,0	350,0	218 160
18,0	11/16	400,0	350,0	218 180
20,0	25/32	400,0	350,0	218 200
20,0	25/32	600,0	* 550,0	218 201
22,0	7/8	400,0	350,0	218 220
24,0	15/16	400,0	350,0	218 240

\* Please note when using these bits it is recommended to pre-drill with a shorter masonry drill of a same diameter.

## Percussion drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039

Percussion drill made from coated special steel with high tenacity and resiliency in a special rugged finish. Good drilling capacity for high stressing. Applications: for drilling in concrete, clinker, stone and masonry. Suitable for impact drilling machines with taper shaft for drill chucks.

Cutting edge: strong special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: straight shank  
 right hand cutting

Packing unit: in plastic bags of 1



Ø mm	Ø inch	Total length mm	Working length mm	Article no.
3,0	1/8	70,0	40,0	209 030
4,0	5/32	75,0	40,0	209 040
5,0	3/16	85,0	50,0	209 050
5,0	3/16	150,0	90,0	210 050
6,0	15/64	100,0	60,0	209 060
6,0	15/64	150,0	90,0	210 060
6,5	1/4	100,0	60,0	209 065
6,5	1/4	150,0	90,0	210 065
7,0	9/32	100,0	60,0	209 070
8,0	5/16	120,0	80,0	209 080
8,0	5/16	200,0	150,0	210 080

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
10,0	3/8	120,0	80,0	209 100
10,0	3/8	200,0	150,0	210 100
12,0	15/32	150,0	90,0	209 120
12,0	15/32	200,0	150,0	210 120
13,0	1/2	150,0	90,0	209 130
14,0	9/16	150,0	90,0	209 140
15,0	19/32	160,0	100,0	209 150
16,0	5/8	160,0	100,0	209 160
18,0	11/16	160,0	100,0	209 180
20,0	25/32	160,0	100,0	209 200



### Percussion drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in plastic box

Cutting edge: strong special tungsten carbide plate in special alloying  
 Point angle: 130°  
 Soldering: high-performance special soldering  
 Shank: straight shank  
 right hand cutting



Packing unit: in plastic box

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
4,0	5/32	75,0	40,0	10	209 040 K
5,0	3/16	85,0	50,0	10	209 050 K
6,0	15/64	100,0	60,0	10	209 060 K
8,0	5/16	120,0	80,0	10	209 080 K

Ø mm	Ø inch	Total length mm	Working length mm	Quantity per box	Article no.
10,0	3/8	120,0	80,0	10	209 100 K
12,0	15/32	150,0	90,0	5	209 120 K
14,0	9/16	150,0	90,0	5	209 140 K

### Percussion drills with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in steel case

Description	Article no.
7-piece set of percussion drills with carbide cutting edge and straight shank Ø 4,0 x 75,0 mm - 5,0 x 85,0 mm - 6,0 x 100,0 mm - 6,0 x 100,0 mm - Ø 8,0 x 120,0 mm - 10,0 x 120,0 mm - 12,0 x 150,0 mm	205 256



### Percussion drill set with carbide cutting edge and straight shank ISO 5468 - DIN 8039 in polystyrene case

Description	Article no.
7-piece set of percussion drills with carbide cutting edge and straight shank Ø 4,0 x 75,0 mm - 5,0 x 85,0 mm - 6,0 x 100,0 mm - 6,0 x 100,0 mm - 8,0 x 120,0 mm - 10,0 x 120,0 mm - 12,0 x 150,0 mm	205 256 RO



## SDS-max concrete hammer drills with 4 cutters

Strengthening of the core with maximum power transmission. No risk of fracture when gathering armouring. Two big bore dust grooves ensure optimal removal of the bore dust. Reduced vibrations and less friction result in much less drilling time. Applications: for drilling in granite, concrete, stone, masonry. Suitable in all hammer drills with SDS-max adaptor and 2-groove-adaptor as i. e. Hilti TE 42-92.

Cutters: slight multi-cutter milling head  
with special tungsten carbide plate in special alloying  
Soldering: high-performance special soldering  
Shank: SDS-max design  
right hand cutting



Packaging: in plastic bags of 1 each



Ø mm	Ø inch	Total length mm	Working length mm	Quantity of cutters	Article no.
12,0	15/32	340,0	200,0	2	225 120
12,0	15/32	540,0	* 400,0	2	225 121
12,0	15/32	690,0	* 550,0	2	225 122
14,0	9/16	340,0	200,0	2	225 140
14,0	9/16	540,0	* 400,0	2	225 141
15,0	19/32	340,0	200,0	2	225 150
15,0	19/32	540,0	* 400,0	2	225 151
16,0	5/8	340,0	200,0	4	225 160
16,0	5/8	540,0	* 400,0	4	225 161
18,0	11/16	340,0	200,0	4	225 180
18,0	11/16	540,0	* 400,0	4	225 181
18,0	11/16	940,0	* 800,0	4	225 182
20,0	25/32	320,0	200,0	4	225 200
20,0	25/32	520,0	* 400,0	4	225 201
20,0	25/32	920,0	* 800,0	4	225 202
22,0	7/8	320,0	200,0	4	225 220
22,0	7/8	520,0	* 400,0	4	225 221
22,0	7/8	920,0	* 800,0	4	225 222
24,0	15/16	320,0	200,0	4	225 240
24,0	15/16	520,0	* 400,0	4	225 241
25,0	63/64	320,0	200,0	4	225 250

Ø mm	Ø inch	Total length mm	Working length mm	Quantity of cutters	Article no.
25,0	63/64	520,0	* 400,0	4	225 251
25,0	63/64	920,0	* 800,0	4	225 252
25,0	93/64	1320,0	* 1200,0	2	225 253
28,0	1 1/8	370,0	250,0	4	225 280
28,0	1 1/8	570,0	* 450,0	4	225 281
28,0	1 1/8	670,0	* 550,0	4	225 282
30,0	1 3/16	370,0	250,0	4	225 300
30,0	1 3/16	570,0	* 450,0	4	225 301
32,0	1 17/64	370,0	250,0	4	225 320
32,0	1 17/64	570,0	* 450,0	4	225 321
32,0	1 17/64	920,0	* 800,0	4	225 322
32,0	1 17/64	1320,0	* 1200,0	2	225 323
35,0	1 3/8	370,0	250,0	4	225 350
35,0	1 3/8	570,0	* 450,0	4	225 351
35,0	1 3/8	670,0	* 550,0	4	225 352
38,0	1 1/2	370,0	250,0	4	225 380
38,0	1 1/2	570,0	* 450,0	4	225 381
40,0	1 37/64	370,0	250,0	4	225 400
40,0	1 37/64	570,0	* 450,0	4	225 401
40,0	1 37/64	920,0	* 800,0	4	225 402
40,0	1 37/64	1320,0	* 1200,0	2	225 403

## Universal drills with carbide cutting edge and straight shank

High time of exposure is guaranteed by a special alloyed steel quality. For precise center drilling on hard surfaces. Ideal for non splitting and precise drilling. Applications: for drilling in tiles, marble, clinker, stone, masonry, plastics, non-ferrous metals, soft and hard wood and lightweight material. Only usable for revolving application in turning and impact drilling machines. Ideal for accumulator machines.

Cutting edge: special tungsten carbide plate with center point  
Soldering: high-performance special soldering  
Shank: straight shank  
right hand cutting

Packing unit: in plastic bags of 1



Ø mm	Ø inch	Total length mm	Working length mm	Article no.
5,0	3/16	95,0	50,0	223 050
6,0	15/64	100,0	60,0	223 060
8,0	5/16	120,0	80,0	223 080

Ø mm	Ø inch	Total length mm	Working length mm	Article no.
10,0	3/8	120,0	80,0	223 100
12,0	15/32	150,0	90,0	223 120

## Hammer percussion drill bits with carbide cutting edges

High efficiency is guaranteed by the very stable and thin-walled drill bit body. Applications: for drilling in concrete, stone, masonry and bricks. Suitable for hammer drills up to 4,0 kg maximum with SDS-plus adaptor. In impact drilling machines with hexagon shank. Necessary machine-efficiency: up to Ø 50,0 mm at least 600 watt and up to Ø 65,0 mm at least 800 watt. Delivery without center drill and adaptor.

Cutting edges: strong special tungsten carbide plates with special alloying  
 Soldering: high-performance special soldering  
 Adaptor: thread M16  
 Drilling depth: up to 60,0 mm  
 right hand cutting



Packaging: in plastic bags of 1 each

Examples for applications	Ø mm	Total length mm	Working length mm	Quantity of teeth TC	Adaptor	Article no.
For sanitation and heating tubes	30,0	107,0	72,0	4	M 16	226 0301
For sanitation and heating tubes	35,0	107,0	72,0	4	M 16	226 0351
For waste, water and heating tubes	40,0	107,0	72,0	4	M 16	226 0401
For waste, water and heating tubes	50,0	107,0	72,0	6	M 16	226 0501
For switch boxes	68,0	107,0	72,0	6	M 16	226 0651
For branch and distribution boxes	82,0	107,0	72,0	6	M 16	226 0801
For branch, distribution and ventilating tubes	90,0	107,0	72,0	6	M 16	226 0901
For ventilating tubes	100,0	107,0	72,0	6	M 16	226 1001

## Accessoires for percussion drill bits

Packaging: in plastic bags of 1 each

Description	Article no.
Center drill with carbide cutting edge Ø 8,0 mm total length 120,0 mm	226 200
Adaptor with hexagon shank span of jaw 12,0 mm total length 95,0 mm	226 201
Adaptor SDS-plus total length 110,0 mm	226 203



No. 226 200



No. 226 201



No. 226 203

## Glass and tile drills with carbide cutting edge and straight shank

Best results with lower r.p.m. and good cooling with water, vinegar, turpentine and kerosine. Especially suited for drilling of window pane, mirror glass, bottles, porcelain, tiles, ceramics etc.

Cutting edge: special tungsten carbide plate polished  
 Soldering: high-performance special soldering  
 Shank: straight shank  
 right hand cutting

Packing unit: in plastic bags of 1



Ø mm	Ø inch	Shank-Ø mm	Total length mm	Article no.
3,0	1/8	3,0	80,0	223 003
4,0	5/32	3,0	90,0	223 004
5,0	3/16	4,0	90,0	223 005
6,0	15/64	5,0	100,0	223 006

Ø mm	Ø inch	Shank-Ø mm	Total length mm	Article no.
8,0	5/16	6,0	100,0	223 008
10,0	3/8	6,0	100,0	223 010
12,0	15/32	8,0	100,0	223 012

## SDS-plus and SDS-max chisels

Special impact resistant chisel forged in one piece with high surface-hardened. Optimum denudation capacity by maximum energy transmission of the hammer drill to the chisel edge. Applications: for chiseling in concrete, masonry, stone, bricks. Suitable for all hammer drills with SDS-plus / SDS-max adaptor and 2-groove adaptor with rotating stop. Eye shield is necessary.

Material: high-quality special steel  
 Surface: high capacity of resistance to wear on the basis of special hardening-plating  
 Shank: SDS-plus design / SDS-max design

### SDS-plus chisels

Packaging: in plastic bags of 1 each

Description	Article no.
Pointed chisel, total length 250,0 mm, round version	227 001
Flat chisel, total length 250,0 mm, breadth 20,0 mm	227 003
Spade chisel, total length 250,0 mm, breadth 40,0 mm	227 004
Channel chisel, total length 250,0 mm, breadth 22,0 mm	227 005
Comb chisel, total length 250,0 mm, breadth 27,0 mm	227 006



### SDS-max chisels

Packaging: in plastic bags of 1 each

Description	Article no.
Pointed chisel, total length 280,0 mm	227 010
Pointed chisel, total length 400,0 mm	227 011
Pointed chisel, total length 600,0 mm	227 012
Flat chisel, total length 280,0 mm, breadth 25,0 mm	227 013
Flat chisel, total length 400,0 mm, breadth 25,0 mm	227 014
Flat chisel, total length 600,0 mm, breadth 25,0 mm	227 015
Spade chisel, total length 400,0 mm, breadth 50,0 mm	227 016
Spade chisel, total length 300,0 mm, breadth 75,0 mm	227 017
Channel chisel, total length 300,0 mm, breadth 26,0 mm	227 018
Chasing chisel, total length 300,0 mm, breadth 32,0 mm	227 019
Comb chisel, total length 300,0 mm, breadth 32,0 mm	227 020
Mortar chisel, total length 300,0 mm, breadth 28,0 mm	227 021

