



» CONCRETE DRILLS



Concrete drills

SDS-plus hammer drills

Applications: for drilling in granite, concrete, clinker, stone, masonry, tiles and marble.

SDS-plus hammer drills with 4 cutters

Applications: for granite, concrete, clinker, stone, brick, tile and marble

SDS-plus concrete hammer drills with 4 cutters

Applications: for drilling in granite, concrete, stone, masonry.

Concrete drills with carbide cutting edge

Applications: for drilling in granite, concrete, clinker, stone, masonry, tiles and marble.

Masonry drills extra long with carbide cutting edge

Applications: for concrete, stone, masonry.

Percussion drills with carbide cutting edge

Applications: for drilling in concrete, clinker, stone and masonry.

SDS-max concrete hammer drills

Applications: for drilling in granite, concrete, stone, masonry.

Universal drills with carbide cutting edge

Applications: for drilling in tiles, marble, clinker, stone, masonry, plastics, non-ferrous metals, soft and hard wood and light-weight material.

Glass and tile drills with carbide cutting edge

Especially suited for drilling of window pane, mirror glass, bottles, porcelain, tiles, ceramics etc.

Hammer percussion drill bits with carbide cutting edges

Applications: for drilling in concrete, stone, masonry and bricks.

SDS-plus and SDS-max chisels

Applications: for chiseling in concrete, masonry, stone, bricks.



2.0

Overview of symbols



right hand cutting



Shank:
cylindrical



Non-ferrous metals



Tiles



Point angle
e.g. 130°



Hexagon shank



Plastics



Bricks



Drilling depth:
up to 60,0 mm



ISO 5468



Glass



Lightweight material



Shank:
SDS-Plus



DIN 8039



Masonry



Hardwoods and
softwoods



Shank:
SDS-Max



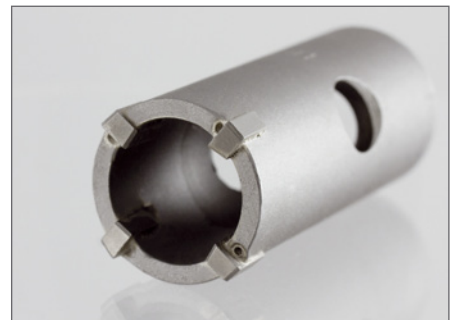
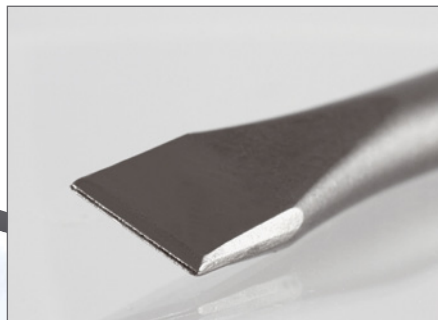
Concrete



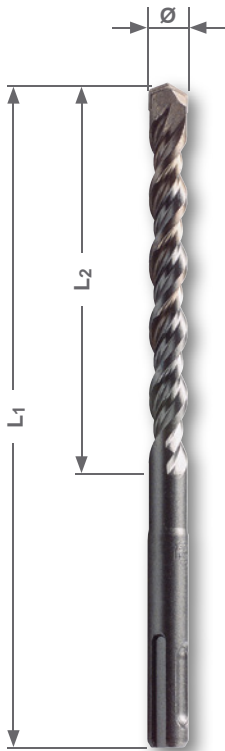
Granite and marble



Accumulator machines



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 basis of special hardening-blastening. Grooves for optimum removal of bore dust. Suitable for mounting parts. Strong special tungsten carbide plate in special alloying.

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 e.g. Hilti TE 10-22.

Packaging: in plastic clip of 1 each

Ø mm	Ø inch	L1 mm	L2 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
5,0	3/16	110,0	50,0	211 050
5,0	3/16	160,0	100,0	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
6,0	15/64	110,0	50,0	211 060
6,0	15/64	160,0	100,0	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
8,0	5/16	110,0	50,0	211 080
8,0	5/16	160,0	100,0	211 081
8,0	5/16	210,0	150,0	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
10,0	3/8	110,0	50,0	211 105
10,0	3/8	160,0	100,0	211 100
10,0	3/8	210,0	150,0	211 101
10,0	3/8	260,0	200,0	211 102
10,0	3/8	310,0	250,0	211 104

Ø mm	Ø inch	L1 mm	L2 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
14,0	9/16	160,0	100,0	211 140
14,0	9/16	210,0	150,0	211 141
14,0	9/16	260,0	200,0	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

* 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

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
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
12,0	15/32	160,0	100,0	211 120
12,0	15/32	210,0	150,0	211 122
12,0	15/32	260,0	200,0	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	L ₁ mm	L ₂ mm	Article no.
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

Packing unit:

Ø 5,0 mm up to 12,0 mm in plastic box of 10

Ø 14,0 mm in plastic box of 5

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
5,0	3/16	110,0	50,0	211 050 K
5,0	3/16	160,0	100,0	211 051 K
6,0	15/64	110,0	50,0	211 060 K
6,0	15/64	160,0	100,0	211 061 K
8,0	5/16	110,0	50,0	211 080 K
8,0	5/16	160,0	100,0	211 081 K
8,0	5/16	210,0	150,0	211 082 K

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
10,0	3/8	110,0	50,0	211 105 K
10,0	3/8	160,0	100,0	211 100 K
12,0	15/32	160,0	100,0	211 120 K
12,0	15/32	210,0	150,0	211 122 K
14,0	9/16	160,0	100,0	211 140 K
14,0	9/16	210,0	150,0	211 141 K

* 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.v

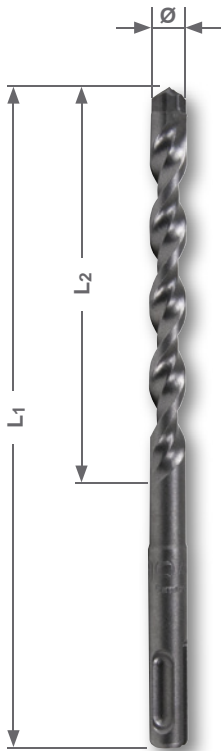
SDS-plus hammer drills sets

Description	Article no.
7-piece set of SDS-plus hammer drills in steel case 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
7-piece set of SDS-plus hammer drills in plastic case 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



2.0

SDS-plus hammer drills with 4 cutters



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. 4 cutters with conical centering point for precise drilling guidance. 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.

Packaging: in plastic clip of 1 each

Ø mm	Ø inch	L1 mm	L2 mm	Article no.
5,0	3/16	110,0	50,0	213 050
5,0	3/16	160,0	100,0	213 051
5,0	3/16	210,0	150,0	213 052
5,5	7/32	110,0	50,0	213 055
5,5	7/32	160,0	100,0	213 056
6,0	15/64	115,0	50,0	213 060
6,0	15/64	165,0	100,0	213 061
6,0	15/64	215,0	150,0	213 062
6,0	15/64	265,0	200,0	213 063
6,5	8/32	115,0	50,0	213 065
6,5	8/32	165,0	100,0	213 066
6,5	8/32	265,0	200,0	213 067
8,0	5/16	115,0	50,0	213 080
8,0	5/16	165,0	100,0	213 081
8,0	5/16	215,0	150,0	213 082
8,0	5/16	265,0	200,0	213 083
8,0	5/16	365,0	300,0	213 084
8,0	5/16	465,0	400,0	213 085
10,0	3/8	115,0	50,0	213 100
10,0	3/8	165,0	100,0	213 101
10,0	3/8	215,0	150,0	213 102
10,0	3/8	265,0	200,0	213 103
10,0	3/8	365,0	300,0	213 104
10,0	3/8	465,0	400,0	213 105
12,0	15/32	165,0	100,0	213 120
12,0	15/32	215,0	150,0	213 121
12,0	15/32	265,0	200,0	213 122
12,0	15/32	365,0	300,0	213 123
12,0	15/32	465,0	400,0	213 124
14,0	9/16	165,0	100,0	213 140
14,0	9/16	215,0	150,0	213 141
14,0	9/16	265,0	200,0	213 142
14,0	9/16	365,0	300,0	213 143
14,0	9/16	465,0	400,0	213 144



SDS-plus hammer drills with 4 cutters



Packing unit:

Ø 5,0 mm up to 12,0 mm in plastic box of 10

Ø 14,0 mm in plastic box of 5

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
5,0	3/16	110,0	50,0	213 050 K
5,0	3/16	160,0	100,0	213 051 K
6,0	15/64	110,0	50,0	213 060 K
6,0	15/64	160,0	100,0	213 061 K
8,0	5/16	110,0	50,0	213 080 K
8,0	5/16	160,0	100,0	213 081 K
8,0	5/16	210,0	150,0	213 082 K

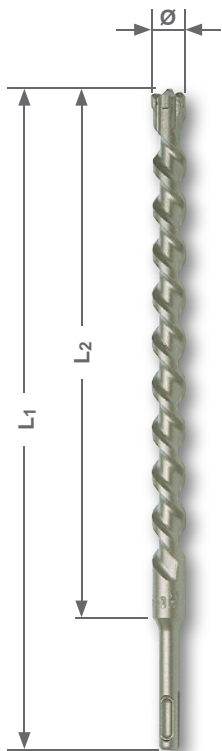
Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
10,0	3/8	110,0	50,0	213 100 K
10,0	3/8	160,0	100,0	213 101 K
12,0	15/32	160,0	100,0	213 120 K
12,0	15/32	210,0	150,0	213 121 K
14,0	9/16	160,0	100,0	213 140 K
14,0	9/16	210,0	150,0	213 141 K

SDS-plus hammer drill sets with 4 cutters

Description	Article no.
7-piece set of SDS-plus hammer drills in steel case 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	213 246
7-piece set of SDS-plus hammer drills in plastic case 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	213 246 RO



2.0



SDS-plus 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 less drilling time. Slight multi-cutter milling head with special tungsten carbide plate in special alloying.

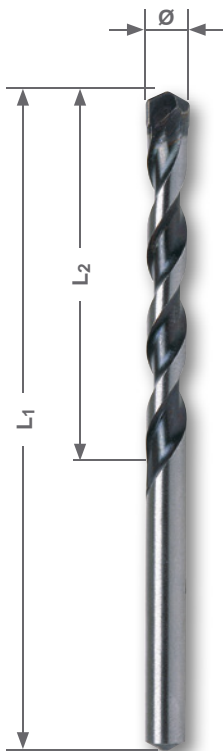
Applications: for drilling in granite, concrete, stone, masonry. Suitable in all hammer drills with SDS-plus adaptor and 2-groove-adaptor as e.g. Hilti TE 10-22.

Packaging: in plastic bags of 1 each

Ø mm	Ø inch	L ₁ mm	L ₂ 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
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	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



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. Strong special tungsten carbide plate in special alloying.

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.

Packing unit: in plastic bags of 1

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.	Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
3,0	1/8	70,0	40,0	221 030	10,0	3/8	120,0	80,0	221 100
4,0	5/32	75,0	40,0	221 040	10,0	3/8	250,0	200,0	221 101
5,0	3/16	85,0	50,0	221 050	12,0	15/32	150,0	90,0	221 120
5,0	3/16	150,0	90,0	221 051	12,0	15/32	250,0	200,0	221 121
6,0	15/64	100,0	60,0	221 060	13,0	1/2	150,0	90,0	221 130
6,0	15/64	150,0	90,0	221 061	14,0	9/16	150,0	90,0	221 140
6,5	1/4	100,0	60,0	221 065	14,0	9/16	250,0	200,0	221 141
6,5	1/4	150,0	90,0	221 066	16,0	5/8	160,0	100,0	221 160
7,0	9/32	100,0	60,0	221 070	18,0	11/16	160,0	100,0	221 180
8,0	5/16	120,0	80,0	221 080	20,0	25/32	160,0	100,0	221 200
8,0	5/16	250,0	200,0	221 081					

Packing unit:

Ø 4,0 mm up to 10,0 mm in plastic box of 10

Ø 12,0 mm in plastic box of 5

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.	Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
4,0	5/32	75,0	40,0	221 040 K	10,0	3/8	120,0	80,0	221 100 K
5,0	3/16	85,0	50,0	221 050 K	12,0	15/32	150,0	90,0	221 120 K
6,0	15/64	100,0	60,0	221 060 K	14,0	9/16	150,0	90,0	221 140 K
8,0	5/16	120,0	80,0	221 080 K					

Concrete drill sets with carbide cutting edge and straight shank



Description	Article no.
7-piece set of concrete drills with carbide cutting edge and straight shank in steel case 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
7-piece set of concrete drills with carbide cutting edge and straight shank in plastic case 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	205 246 RO

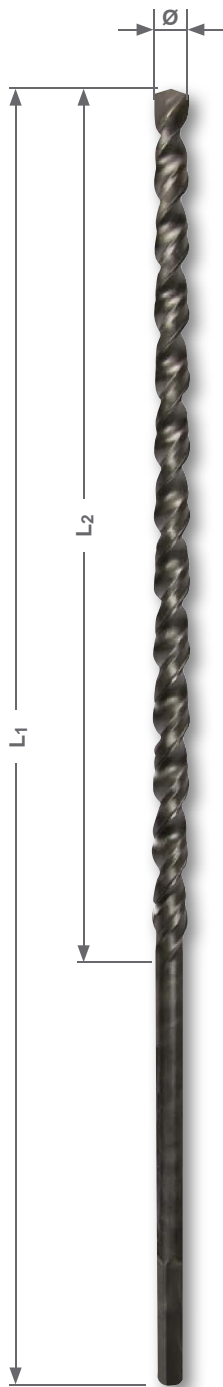
Masonry drills extra long with carbide cutting edge and hexagon shank



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. Special tungsten carbide plate in special alloying.

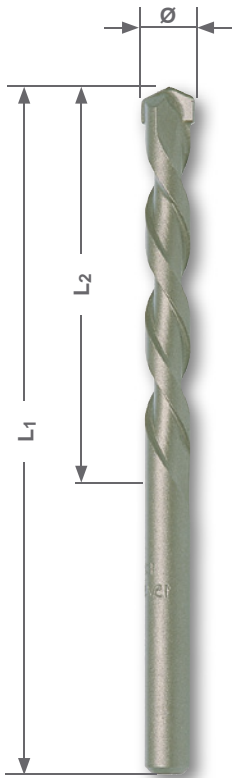
Applications: for concrete, stone, masonry.
Suitable for impact drilling machines with taper shaft for drilling chucks.

Packing unit: in plastic bags of 1



Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
8,0	5/16	400,0	350,0	218 080
10,0	3/8	400,0	350,0	218 100
12,0	15/32	400,0	350,0	218 120
14,0	9/16	400,0	350,0	218 140
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





Percussion drills with carbide cutting edge and straight shank



Percussion drill made from coated special steel with high tenacity and resiliency in a special rugged finish. Good drilling capacity for high stressing. Strong special tungsten carbide plate in special alloying.

Applications: for drilling in concrete, clinker, stone and masonry.

Suitable for impact drilling machines with taper shaft for drill chucks.

Packing unit: in plastic bags of 1

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.	Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
3,0	1/8	70,0	40,0	209 030	10,0	3/8	120,0	80,0	209 100
4,0	5/32	75,0	40,0	209 040	10,0	3/8	200,0	150,0	210 100
5,0	3/16	85,0	50,0	209 050	12,0	15/32	150,0	90,0	209 120
5,0	3/16	150,0	90,0	210 050	12,0	15/32	200,0	150,0	210 120
6,0	15/64	100,0	60,0	209 060	13,0	1/2	150,0	90,0	209 130
6,0	15/64	150,0	90,0	210 060	14,0	9/16	150,0	90,0	209 140
6,5	1/4	100,0	60,0	209 065	15,0	19/32	160,0	100,0	209 150
6,5	1/4	150,0	90,0	210 065	16,0	5/8	160,0	100,0	209 160
7,0	9/32	100,0	60,0	209 070	18,0	11/16	160,0	100,0	209 180
8,0	5/16	120,0	80,0	209 080	20,0	25/32	160,0	100,0	209 200
8,0	5/16	200,0	150,0	210 080					

Packing unit:

Ø 4,0 mm up to 10,0 mm in plastic box of 10

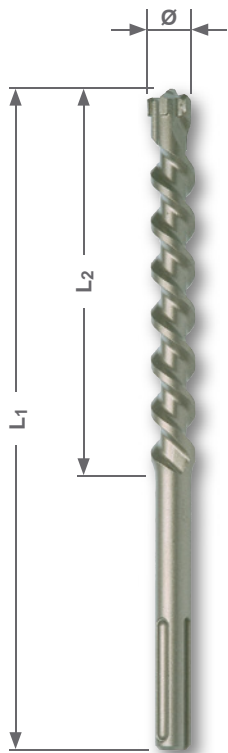
Ø 12,0 mm in plastic box of 5

Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.	Ø mm	Ø inch	L ₁ mm	L ₂ mm	Article no.
4,0	5/32	75,0	40,0	209 040 K	10,0	3/8	120,0	80,0	209 100 K
5,0	3/16	85,0	50,0	209 050 K	12,0	15/32	150,0	90,0	209 120 K
6,0	15/64	100,0	60,0	209 060 K	14,0	9/16	150,0	90,0	209 140 K
8,0	5/16	120,0	80,0	209 080 K					



Percussion drill set with carbide cutting edge and straight shank

Description	Article no.
7-piece set of percussion drills with carbide cutting edge and straight shank in steel case 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
7-piece set of percussion drills with carbide cutting edge and straight shank in plastic case 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



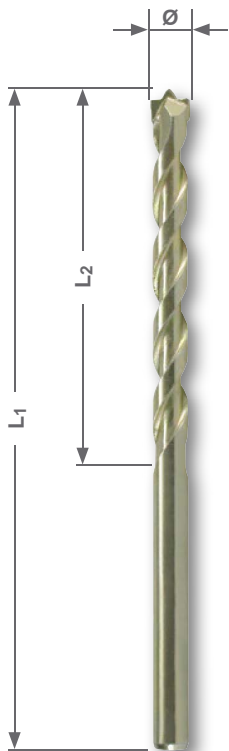
Strengthening of the core with maximum power transmission. No risk of fracture when gathering armouring. Two big bore dust grooves ensure optimal removal of the bore dust. Reduced vibrations and less friction result in much less drilling time.

Applications: for drilling in granite, concrete, stone, masonry. Suitable in all hammer drills with SDS-max adaptor and 2-groove-adaptor as e.g. Hilti TE 42-92.

Packaging: in plastic bags of 1 each

Ø mm	Ø inch	L ₁ mm	L ₂ 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
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
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	520,0	400,0	4	225 281
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	520,0	400,0	4	225 351
38,0	1 1/2	370,0	250,0	4	225 380
40,0	1 37/64	920,0	* 800,0	4	225 402
40,0	1 37/64	1320,0	* 1200,0	2	225 403

* 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.



Universal drills with carbide cutting edge and straight shank

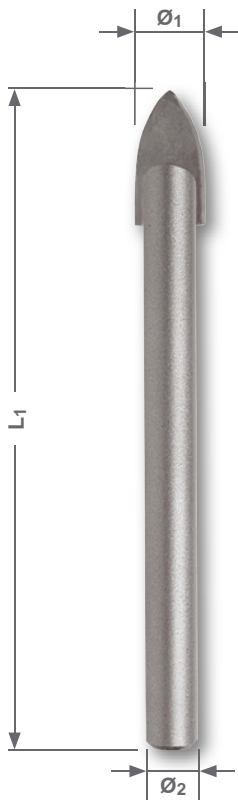


High time of exposure is guaranteed by a special alloyed steel quality. For precise center drilling on hard surfaces. Ideal for non splintering and precise drilling. Special tungsten carbide plate with center point.

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.

Packing unit: in plastic bags of 1

Ø mm	Ø inch	L ₁ mm	L ₂ 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
10,0	3/8	120,0	80,0	223 100
12,0	15/32	150,0	90,0	223 120



Glass and tile drills with carbide cutting edge and straight shank



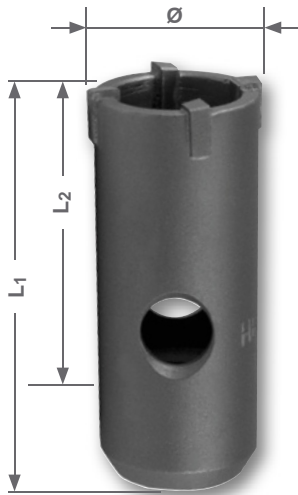
Best results with lower r.p.m. and good cooling with water, vinegar, turpentine and kerosine. Especially suited for drilling of window pane, mirror glass, bottles, porcelain, tiles, ceramics etc.

Cutting edge: special tungsten carbide plate polished
Soldering: high-performance special soldering

Packing unit: in plastic bags of 1

Ø ₁ mm	Ø ₁ inch	Ø ₂ mm	L ₂ 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
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





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

Packaging: in plastic bags of 1 each

Examples for applications	Ø mm	L ₁ mm	L ₂ mm	Quantity of teeth TC	Article no.
Sanitation and heating tubes	30,0	107,0	72,0	4	226 0301
Sanitation and heating tubes	35,0	107,0	72,0	4	226 0351
Waste, water and heating tubes	40,0	107,0	72,0	4	226 0401
Waste, water and heating tubes	50,0	107,0	72,0	6	226 0501
Switch boxes	68,0	107,0	72,0	6	226 0651
Branch and distribution boxes	82,0	107,0	72,0	6	226 0801
Branch, distribution and ventilating tubes	90,0	107,0	72,0	6	226 0901
Ventilating tubes	100,0	107,0	72,0	6	226 1001



226 200

Accessoires for percussion drill bits

Packaging: in plastic bags of 1 each



226 201



226 203

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



SDS-plus and SDS-max chisels



Special impact resistant chisel forged in one piece with high surface-hardening.
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 solidification

Packaging: in plastic bags of 1 each



227 001 + 227 010

227 003 + 227 013

227 004 + 227 016

227 005 + 227 018

227 006

SDS-plus chisels

Description	length L ₁ mm	breadth B ₁ mm	Shank Ø mm	Article no.
Pointed chisel, round version	250,0	–	18,0	227 001
Flat chisel	250,0	20,0	–	227 003
Spade chisel	250,0	40,0	–	227 004
Channel chisel	250,0	22,0	–	227 005
Comb chisel	250,0	27,0	–	227 006



SDS-max chisels

Description	length L ₁ mm	breadth B ₁ mm	Shank Ø mm	Article no.
Pointed chisel, round version	280,0	–	18,0	227 010
Pointed chisel, round version	400,0	–	18,0	227 011
Pointed chisel, round version	600,0	–	18,0	227 012
Flat chisel	280	25,0	–	227 013
Flat chisel	400	25,0	–	227 014
Flat chisel	600	25,0	–	227 015
Spade chisel	400	50,0	–	227 016
Spade chisel	300	75,0	–	227 017
Channel chisel	300	26,0	–	227 018