

10955 - 10956

HSS-Co core drill bit (Weldon)



Design

The core drill bit machines only a narrow groove; the remaining core is removed unmachined. Low drive power – up to 4 times faster drilling time, long service life – low wear. All core drill bits with 19 mm Weldon shank for direct fitting or for fitting in Morse taper fittings AMK-2/AMK-3 with internal cooling.

Applications

Suitable for magnetic core drills (see HHW Catalogue Volume 2 art. no. 90060) or for table and pillar drills.

Quality

HSS Co.

Note:

Core drill bits in cemented carbide design or other cutting depths deliverable on request.

10955

Cutting depth 25 mm.

10956

Cutting depth 50 mm.



10955



10956

Ø mm	25 mm		50 mm	
	10955	...	10956	...
12		101		101
13		102		102
14		103		103
15		104		104
16		105		105
17		106		106
18		107		107
19		108		108
20		109		109
21		110		110
22		111		111
23		112		112
24		113		113

Ø mm	25 mm		50 mm	
	10955	...	10956	...
25		114		114
26		115		115
27		116		116
28		117		117
29		118		118
30		119		119
31		120		120
32		121		121
33		122		122
34		123		123
35		124		124
36		125		125
37		126		126

Ø mm	25 mm		50 mm	
	10955	...	10956	...
38		127		127
39		128		128
40		129		129
41		130		130
42		131		131
43		132		132
44		133		133
45		134		134
46		135		135
47		136		136
48		137		137
49		138		138
50		139		139

10957 - 10958

Accessories for core drill bits

10957

Drive arbors

Design

With automatic internal cooling and nipple for coolant hose. Supplied in plastic case.

Applications

For fitting the HSS-Co core drill bits (art. no. 10955-10956).

10958

Replacement ejector pins

Applications

For HSS-Co core drill bits Ø 12 to 50 mm.



10957



10958

Size	for magnetic core drill Art. no.	for cutting depth mm	for Ø mm	Drive arbor		Ejector pin	
				10957	...	10958	...
MT 2	90060 199	-	-		101		
MT 3	90060 200 + 203	-	-		102		
-	-	25	12-50				101
-	-	50	12-50				102



BOSCH

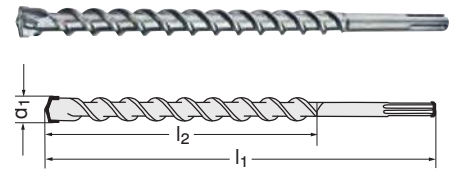
Design

Extremely robust and aggressive solid-carbide S-cutting edge and inclined minor cutting edges. Thanks to the active centring point, the drill bit penetrates quickly into concrete and reinforced concrete. The vibration-optimised spiral design delivers optimum power transmission and maximum speed. No getting caught, no risk of breakage with reinforced chamfers. Precise drill holes of the highest dimensional accuracy due to the wear indicator.

In Powerbox.

Applications

In all hammer drills with SDS-max mount. For drilling in concrete, reinforced concrete, masonry, sand-lime brick.



11440

d ₁ mm	l ₂ mm	l ₁ mm	11440	...
12	200	340		105
L 12	400	540		106
14	200	340		107
L 14	400	540		108
16	200	340		109
L 16	400	540		110
18	200	340		111
L 18	400	540		112

d ₁ mm	l ₂ mm	l ₁ mm	11440	...
20	200	320		113
L 20	400	520		114
22	200	320		115
L 22	400	520		116
24	400	520		118
25	200	320		119
L 25	400	520		120
28	200	320		122

d ₁ mm	l ₂ mm	l ₁ mm	11440	...
L 28	400	520		123
30	200	320		124
L 30	400	520		125
32	200	320		126
L 32	400	520		127
L 35	400	520		131
40	400	520		133

BOSCH

Applications

For mounting SDS-plus drills in machines with SDS-max mount.

Length mm	11441	...
220		101



11441

BOSCH

11612

Impact core drill bits

Design

- 6 teeth, max. drilling depth 55 mm
- Female thread M 16 for screwing in drive arbors art. no. 11618 and 11619
- Delivery **without** drive arbor and centre drill

Applications

In hammer drills with hexagon, in hammer drills with SDS-plus/SDS-top drive arbor. For concrete and masonry.

Quality

Cemented-carbide teeth in hammer drill bit quality.

Note:

Min. required machine performance 800 W.

11618

Drive arbor

Design

Length 78 mm, hexagon shank, SW12, receiving thread M 16.

Applications

For mounting an impact core drill bit art. no. 11612 and the centre drill art. no. 11621.

11619

Drive arbor

Design

SDS-plus shank, length 105 mm, receiving thread M 16.

Applications

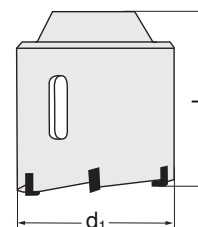
For mounting an impact core drill bit art. no. 11612 and the centre drill art. no. 11621.

11621

Centre drill

Design

With clamping surface, 8 x 120 mm for drive arbors art. no. 11618 and 11619.



11612



11618



11619



11621

d ₁ mm	l ₁ mm	Impact core drill bits	Hexagonal shank	SDS-plus shank	Centre drill
68	72	11612	11618	11619	11621
82	72		212		
-	-			101	101

Hole saws

40240 - 40242

HSS bimetal hole saws

Design

- Teeth precisely milled
- Closely toleranced offset
- Variable tooth pitch, which gives more room for chips

Advantage

- Low-vibration sawing
- Robust
- Insensitive
- Solid base plate, thus more threads and greater stability as well as concentricity and side stroke accuracy
- The problems with conventional hole saws, such as torn out or overwound threads, are significantly reduced by this design

Use

Cutting depth up to approx. 38 mm.
Suitable for unalloyed steel (up to 700N/mm²).
For cutting holes in metal, wood containing nails, plywood, fibreboards, plastics, pipes and boards.
For use on column-type drills and low-speed hand drills as well as lathes.

Quality

HSS bimetal, 8% cobalt alloy.

Note:

Core bit, also suitable for other commercially available holders.
Accessories for HSS bimetal hole saws, see art. no. 40244-40248.

40240

Hole saw sets

40242

ATORN®

Hole saws, individual

Scope of delivery

Without holder and without centre drill.



Set contents 40240 201	
12	hole saws Ø 16/19/22/25/29/32/35/38/44/51/64/76 mm
1	holder A 6
1	holder A 2-SS
1	spare centre drill

Set contents 40240 202	
9	hole saws Ø 16/19/22/29/35/44/52/57/67 mm
1	holder A 6
1	holder A 2-SS
1	spare centre drill

Set contents 40240 203	
8	hole saws Ø 16/19/24/29/38/44/57/67 mm
1	holder A 6
1	holder A 2-SS
1	spare centre drill

Set contents 40240 204	
7	hole saws Ø 22/29/35/44/51/64/68 mm
1	holder A 6
1	holder A 2-SS
1	spare centre drill



	Contents	Design	40240	...
Professional set	15 pieces	in storage case	201	
Standard set	12 pieces	in storage case	202	
Installation set	11 pieces	in storage case	203	
Electric set	10 pieces	in storage case	204	

individual	ATORN®	...	individual	ATORN®	...	individual	ATORN®	...	individual	ATORN®	...
Ø	40242		Ø	40242		Ø	40242		Ø	40242	
mm			mm			mm			mm		
14	200		35	211		60	221		102	233	
16	201		37	270		64	222		105	234	
17	260		38	213		67	223		108	294	
19	202		40	272		68	224		111	296	
20	261		41	214		70	225		114	235	
21	203		43	274		73	226		121	298	
22	204		44	215		76	228		127	236	
24	262		46	276		79	229		140	237	
25	205		48	216		83	230		152	238	
27	206		51	217		86	288		160	246	
29	207		52	280		89	231		168	250	
30	208		54	218		92	232		177	254	
32	209		57	219		95	290		210	258	
33	210		59	282		98	292				



Design

Bimetal hole saw with variable toothing on flexible special steel body (bimetal). Reinforced base with thread and driving pin holes (from Ø 32 mm) for secure mounting on the shaft. Optimised coating reduces thermal load when sawing. High cutting performance and long service life thanks to a special tooth geometry and low manufacturing tolerances.

- Vario toothing 4.5/5.5 teeth per inch
- Cutting depth 40 mm

Advantage

- SPEED SLOT® – rapid removal of the drilling core due to stepped recesses
- Optimised coating reduces the thermal load when sawing

Applications

For use on stationary drills or electric hand drills with appropriate rotation speed. Suitable for steel, stainless steel, brass, copper, cast iron, light metal, wood, plaster and plastic panels.

Quality

HSS bimetal with cobalt alloy.

Note:

The use of cutting oil (art. no. 19382 101) increases the service life.
Accessories for HSS bimetal hole saws, see art. no. 40244–40248.



Set contents 40243 201

- 6 hole saws Ø 19/22/29/38/44/68 mm
- 2 hole saw holders 2L and 5L
- 1 hole saw adapter

Set contents 40243 202

- 16 hole saws Ø 19/22/25/29/35/38/44/51/57/68/76/83/92/95/105/121 mm
- 2 hole saw holders 1L and 2L
- 2 4321 guide drill bits
- 1 56PD guide drill bit

Set contents 40243 203

- 6 hole saws Ø 22/29/35/44/51/64 mm
- 2 hole saw holders 2L and 5L
- 1 4321 guide drill bits
- 1 hole saw adapter

Set contents 40243 204

- 20 hole saws Ø 19/22/25/29/35/38/44/51/54/57/64/68/76/83/86/92/95/105/114/121 mm
- 2 hole saw holders 2L and 5L
- 2 4321 guide drill bits
- 1 56PD guide drill bit



40243 101-155



	Contents	Design	40243	...
Set for plumbers	9 pieces	in storage case	201	
Set for electricians	21 pieces	in storage case	202	
Set for electricians	10 pieces	in storage case	203	
Set for construction	25 pieces	in storage case	204	

Individual	Ø mm	40243	...	Individual	Ø mm	40243	...	Individual	Ø mm	40243	...	Individual	Ø mm	40243	...
	14	101			35	115			64	129			102	143	
	16	102			37	116			65	130			105	144	
	17	103			38	117			67	131			108	145	
	19	104			40	118			68	132			111	146	
	20	105			41	119			70	133			114	147	
	21	106			43	120			73	134			117	148	
	22	107			44	121			76	135			121	149	
	24	108			46	122			79	136			127	150	
	25	109			48	123			83	137			140	151	
	27	110			51	124			86	138			152	152	
	29	111			52	125			89	139			168	153	
	30	112			54	126			92	140			177	154	
	32	113			57	127			95	141			210	155	
	33	114			60	128			98	142					

Hole saws

40244 - 40248 Accessories for HSS bimetal hole saws

Applications

For HSS bimetal hole saws art. no. 40240–40242 (ATORN) and 40243 (Lenox).

40244

Holder

Design

- With guide drill bits HSS

Note:

The holder A 2-SS art. no. 40244 102 is a quick-change holder with solid shaft. It ensures no crushing in the drill chuck.

40246

Holder extension

Design

- Length: 300 mm

Applications

Suitable for holder A 6 and A 2-SS.

40247

Spare centre drill

Quality

HSS

40248

Ejector spring



For saw Ø mm	Type	Shaft Ø mm	Shaft type	Holder		Extension		Spare centre drill		Ejector spring	
				40244	...	40246	...	40247	...	40248	...
14–30	A 6	9.50	hexagonal		101		101		102		101
32–152	A 2-SS	9.50	hexagonal		102		101		102		101
32–210	A 3-SS	11.11	hexagonal		103				102		101
14–30	A 6-SDS-plus	-	SDS		104				102		101
32–152	A 2-SDS-plus	-	SDS		105				102		101

40249 - 40252 Cemented carbide hole saws



Design

- High concentricity due to solid construction
- CAD-optimised chip angle with special grinding surface ensure high cutting performance and long service life
- Fast drilling core removal by ejection spring
- Carbide tips allow repeated regrinding
- Repairable: Teeth can be replaced if they break
- Tapered centre drill with pre- and post-cutter, replaceable

Advantage

- The hole saw is manufactured from a single piece for Ø from 15.2 mm (3/16 inch) to 30.0 mm (1.1/8 inch)
- A specially hardened holder is used for Ø from 31.0 mm (1.3/16 inch) to absorb the torsional forces under heavy loads and thus prevent premature shearing of the drive arbor

Quality

Carbide-tipped.

Note:

- For higher material thicknesses: Cut 2–3 mm (1/16-7/64 inch) in each work step, then remove chips
- A high-quality cutting oil should be used when sawing metals
- Exceptions: Do not use cutting oil for cast iron, and use petroleum instead of oil for aluminium
- Note: Always wear safety goggles!

40249

Hole saw sets

Design

Flat-cut design.

Scope of delivery

- 5x hole saws
- 5x centre drills
- 5x ejection springs
- 2x Allen keys
- 1x plastic case

Applications

Stainless steel up to 2 mm (1/16 inch), unalloyed steel up to 4 mm (3/16 inch), plastics, PVC, aluminium, zinc, gypsum and lightweight panels, etc. can be processed economically. For hand drills and pillar drills (no automatic feed in the case of pillar drills).

40252

Spare centre drill

Design

Tapered centre drill with pre- and post-cutter.

Advantage

- Spot drilling without straying
- Centre punch not required

Applications

For cemented carbide hole saws art. no. 40249-40250.

Quality

HSS.



Set contents	Hole saw Ø mm	Design	40249	...
5 pieces	16/20/25/32/40	in plastic case		101
Spare centre drill				
Applications for	For core bit Ø mm	Drill bit Ø x length mm	40252	...
flat-cut design	15.2–100.0	6 x 50		101
long design	16.0–59.0	6 x 80		201 NEW
long design	60.0–100.0	8 x 100		203 NEW

40250 101-190

Hole saws, individual Design

Flat-cut design.

Scope of delivery

- Hole saw
- Centre drill
- Ejection spring

Applications

Stainless steel up to 2 mm (1/16 inch), unalloyed steel up to 4 mm (3/16 inch), plastics, PVC, aluminium, zinc, gypsum and lightweight panels, etc. can be processed economically.
For hand drills and pillar drills (no automatic feed in the case of pillar drills).

40250 202-290

Hole saws, individual Design

Long version.

Scope of delivery

- Hole saw
- Centre drill

Applications

Especially developed for use on pipe material and curved surfaces, for unalloyed and alloyed steels, non-ferrous metals, plastics and GFRP.
For material thicknesses up to 4 mm (3/16 inch); stainless steel up to 2 mm (1/16 inch).
Recommended for use on hand drills up to max. Ø 40 mm (1.9/16 inch) or stationary machines.

Note:

- When spot drilling pipes, drill with low contact pressure and avoid pendulum motions
- Note: Always wear safety goggles!
- Special designs for special applications are available on request.

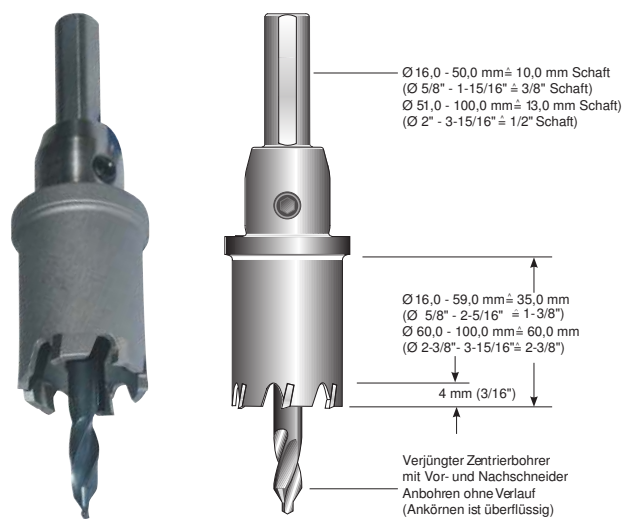
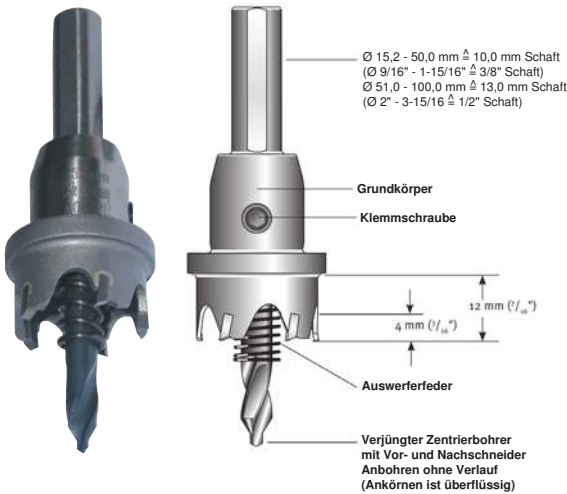


40250 101-190

Flat-cut design

40250 202-290

Long design



Ø mm	Flat-cut	Long		Ø mm	Flat-cut	Long	
		40250	...			40250	...
15.2	PG 9	101		42	-	132	232 NEW
16	M 16	102	202 NEW	43	-	133	233 NEW
17	-	103	203 NEW	44	-	134	234 NEW
18	-	104	204 NEW	45	-	135	235 NEW
18.6	PG 11	105		46	-	136	236 NEW
19	-	106	206 NEW	47	PG 36	137	237 NEW
20	M 20	107	207 NEW	48	-	138	238 NEW
20.4	PG 13	108		49	-	139	239 NEW
21	-	109	209 NEW	50	M 50	140	240 NEW
22	-	110	210 NEW	51	-	141	241 NEW
22.5	PG 16	111		52	-	142	242 NEW
23	-	112	212 NEW	53	-	143	243 NEW
25	M 25	114	214 NEW	54	PG 42	144	244 NEW
26	-	115	215 NEW	55	-	145	245 NEW
27	-	116	216 NEW	57	-	147	247 NEW
28	-	117	217 NEW	58	-	148	248 NEW
28.3	PG 21	118		59	-	149	249 NEW
29	-	119	219 NEW	60	PG 48	150	250 NEW
30	-	120	220 NEW	63	M 63	190	290 NEW
32	M 32	122	222 NEW	65	-	151	251 NEW
33	-	123	223 NEW	68	-	152	252 NEW
34	-	124	224 NEW	70	-	153	253 NEW
35	-	125	225 NEW	75	-	154	254 NEW
36	-	126	226 NEW	80	-	156	256 NEW
37	PG 29	127	227 NEW	85	-	157	257 NEW
38	-	128	228 NEW	90	-	158	258 NEW
39	-	129	229 NEW	95	-	159	259 NEW
40	M 40	130	230 NEW	100	-	160	260 NEW