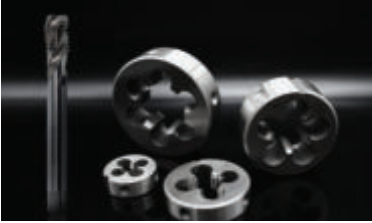




07

METAL DRILL BITS

HSS-GS MULTI SPEED, HSS-R, HSS-G, HSS-GS, HSS-TiN, HSS-Co, HSS-Co MULTI metal drill bits and sets, step drills, conical drill bits, countersink, TCT rotary burrs and sets



29

TAPS AND DIES

HSS-G and HSS-Co taps, dies, thread cutting and repair sets



39

CONCRETE DRILL BITS

SDS Plus and SDS Max concrete drill bits, core drill bits, chisels, RATiO drilling system, tile drill bits



59

WOOD DRILL BITS

wood drill bits, auger bits, Forstner drill bits, router bits, carbide planer blades



69

DIAMOND DISCS

diamond cutting and grinding discs



75

CUTTING DISCS

cutting discs, grinding discs



81

BRUSHES

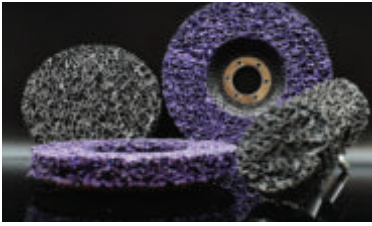
circular brushes, cup brushes, shaft mounted brushes, scratch brushes, tube brushes



89

PAINTING TOOLS

paint brushes, rollers, accessories



95

ABRASIVES

mounted points, flap discs, flap wheels, fibre discs, endless belts, polishing tools



107

SCREWING AND HAND TOOLS

bits and bitholders, screwdrivers, pliers



121

MULTI-TOOL ACCESSORIES

with **STARLOCK** -mounting system



127

CUTTER KNIVES

knives, blades



133

SAWING TOOLS

reciprocating saw blades, jigsaw blades, circular saw blades, hole saws and accessories



143

SAFETY GLASSES

PICTOGRAMS



Right hand cutting



Right hand cutting / hand taps



Point angle 118°



Point angle 135°



Split point



Tolerance



Shank: 3-way clamping surface



Reduced shank



SDS Plus shank



SDS Max shank



PGM seal, secure drill-hole/anchor connection



Meets the EU hand-arm-vibration directive (EU 2002/44/EC)



HST curing technology ensures excellent break safety



Hammer drilling



Twinmax flute



DuraTec hardening technique



For use in drilling machines



For use in akku drilling machines



For angle grinders



Helix angle: 25-30°
Profile of flute: normal
Peak: 118°, C shape



Helix angle: 40°
Profile of flute: wide, rounded back edges
Peak: 130°, C shape



Helix angle: 35-40°
Profile of flute: wide, for better chip removal
Peak: 130°, C shape



Whitworth thread



Metric thread DIN ISO 13



Metric fine thread, DIN ISO 13



Brick, building materials



Ytong, aerated/porous concrete



Tile



Concrete, washed concrete, brick



Granite natural, stone



Concrete reinforced



Asphalt



Fast work



Segment height



Drilling depth

METAL DRILL BITS



HSS METAL DRILL BITS

HSS-R twist drill bit DIN 338

HSS-R rolled straight shank twist drill bit DIN 338. Finish: black

Suitable for steel and cast steel (alloyed and non-alloyed) up to 900 N/mm².



HSS-G twist drill bit with reduced shank DIN 338

HSS-G milled with reduced shank, DIN 338.

Suitable for steel and cast steel (alloyed and non-alloyed) up to 900 N/mm².



HSS-GS twist drill bit DIN 338

HSS-GS precision ground straight shank twist drill bit DIN 338. Split Point DIN 1412 C, self centering. Finish: bright

Suitable for steel and cast steel (alloyed and non-alloyed) up to 900 N/mm².



HSS-G DIN 338 STEP DRILL TIP - VULCANO

High performance HSS-GS drill with unique STEP-TIP head-geometry (from D 3,0 mm)

Suitable for drilling in steels (up to 900 N/mm²), pipes, aluminum, plastic, wood, hardwood and other thin materials.



HSS-GS TiN twist drill bit DIN 338

TiN-coated, precision ground straight shank twist drill bit DIN 338. Split Point DIN 1412 C, self centering. Finish: gold

Suitable for steel and cast steel (alloyed and non-alloyed) up to 900 N/mm².



HSS-Co twist drill bit DIN 338

HSS-Co 5%, precision ground straight shank twist drill bit DIN 338.

Split Point DIN 1412 C, self centering. Finish: bronze

Suitable for steel over 900 N/mm², stainless steel, titanium



HSS-Co twist drill bit cobalt multi DIN 338

HSS-Co 5%, precision ground shank twist drill bit DIN 338. Split Point DIN 1412 C, self centering.

Finish: bronze

Suitable for stainless steel up to 850 N/mm², copper, aluminium, brass.



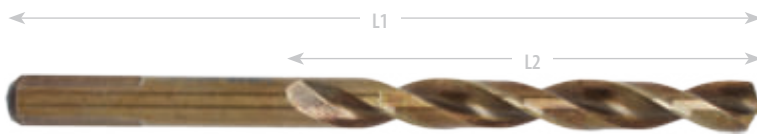
HSS METAL DRILL BITS

ABRABORO SPECIALITIES

HSS-Co DIN 338 *MULTI EDGE* metal drill bit EXCELLENT DRILLING IN STAINLESS MATERIALS

- 5% cobalt content in high performance HSS steel
- patented tip geometry
 - precise, clean and quick drilling
 - available with 3 shank shaft to ensure wide usability

Suitable for stainless steel, alloy, copper and aluminum



size D x L1/L2 (mm)	article-no.
3,0 x 61/33	020340003007
3,5 x 70/39	020340003507
4,0 x 75/43	020340004007
4,5 x 80/47	020340004507
5,0 x 86/52	020340005007
5,5 x 93/57	020340005507
6,0 x 93/57	020340006007
6,5 x 101/63	020340006507
7,0 x 109/69	020340007007
7,5 x 109/69	020340007507
8,0 x 117/75	020340008007
8,5 x 117/75	020340008507
9,0 x 125/81	020340009007
9,5 x 125/81	020340009507
10,0 x 133/87	020340010007
10,5 x 133/87	020340010507
11,0 x 142/94	020340011007
11,5 x 142/94	020340011507
12,0 x 151/101	020340012007
12,5 x 151/101	020340012507
13,0 x 151/101	020340013007

Packing unit: D 3,0-4,0 mm: 2 pcs / EV-Pack
D 4,5-13,0 mm: 1 pc / EV-Pack

HSS-G DIN 338 STEP DRILL TIP - *VULCANO*

High performance HSS-GS drill with unique STEP-TIP head-geometry (from D 3,0 mm)

- drilling without pre-drilling and with perfect centering, even on corrugated surfaces
- up to 50 % faster drilling
- perfectly round holes in thin materials and metal sheets
- from D 5,0 mm with 3-flat shank for optimal and wide usability



size D x L1/L2 (mm)	steps number	article-no.
1,0 x 34/12	0	020330001000
1,5 x 40/18	0	020330001500
2,0 x 49/24	0	020330002000
2,5 x 57/30	0	020330002500
3,0 x 61/33	1	020330003000
3,2 x 65/36	1	020330003200
3,5 x 70/39	1	020330003500
4,0 x 75/43	2	020330004000
4,2 x 75/43	2	020330004200
4,5 x 80/47	2	020330004500
5,0 x 86/52	3	020330005000
5,5 x 93/57	3	020330005500
6,0 x 93/57	3	020330006000
6,5 x 101/63	3	020330006500
7,0 x 109/69	4	020330007000
7,5 x 109/69	4	020330007500
8,0 x 117/75	5	020330008000
8,5 x 117/75	5	020330008500
9,0 x 125/81	5	020330009000
9,5 x 125/81	5	020330009500
10,0 x 133/87	6	020330010000
10,5 x 133/87	6	020330010500
11,0 x 142/94	6	020330011000
11,5 x 142/94	6	020330011500
12,0 x 151/101	8	020330012000
12,5 x 151/101	8	020330012500
13,0 x 151/101	8	020330013000

Packing unit: D 1,0-10,0 mm: 10 pcs / X-Pack
D 10,5-13,0 mm: 5 pcs / X-Pack

Sets

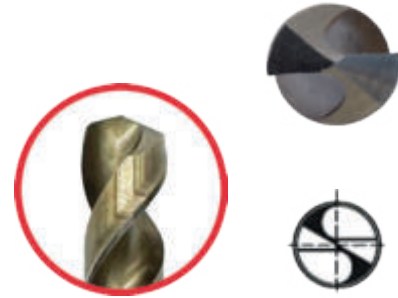
content	article-no.
19 pcs in plastic case D 1,0 - 10,0 mm x 0,5	020330000019
25 pcs in plastic case D 1,0 - 13,0 mm x 0,5	020330000025

HSS METAL DRILL BITS

High performance HSS-GS twist drill DIN 338, ground **MULTI SPEED**

- the 135° Split-Point cutting edge ensures a very high precision and prevents sliding off corrugated surfaces while spot-drilling
- the black bevel increases the wear-resistance and prevents cold welding
- up D 4,0 mm with 3-surface-shank, providing excellent fixing. No spinning of the drill!
- up D 10,5 mm with reduced shank 10,0 mm

Suitable for steel, cast steel, copper, brass and aluminium



size D x L1/L2 (mm)	article-no.
2,0 x 49/24	020300010206
2,5 x 57/30	020300010256
3,0 x 61/33	020300010306
3,2 x 65/36	020300010326
3,5 x 70/39	020300010356
4,0 x 75/43	020300010406
4,1 x 75/43	020300010416
4,2 x 75/43	020300010426
4,5 x 80/47	020300010456
4,8 x 86/52	020300010486
5,0 x 86/52	020300010506
5,2 x 86/52	020300010526
5,5 x 93/57	020300010556
6,0 x 93/57	020300010606
6,5 x 101/63	020300010656
7,0 x 109/69	020300010706
7,5 x 109/69	020300010756
8,0 x 117/75	020300010806
8,5 x 117/75	020300010856
9,0 x 125/81	020300010906
9,5 x 125/81	020300010956
10,0 x 133/87	020300011006
10,5 x 133/87	020300011056
11,0 x 142/94	020300011106
12,0 x 151/101	020300011206
13,0 x 151/101	020300011306

Packing unit: D 2,0-10,0 mm: 10 pcs / X-Pack
D 10,5-13,0 mm: 5 pcs / X-Pack

Sets

content	article-no.
6 pcs in plastic case D 2,0 - 8,0 mm	020314100616
19 pcs in plastic case D 1,0 - 10,0 mm x 0,5	020300191086



HSS METAL DRILL BITS

size D x L1/L2 (mm)	HSS-R article-no. 	HSS-GS article-no. 	HSS-Co article-no. 	HSS-Co cobalt <i>multi</i> article-no. 
0,3 x 19/2,5	020300010030			
0,4 x 20/5	020300010040			
0,5 x 22/6	020300010050			
0,6 x 24/7	020300010060			
0,7 x 29/9	020300010070			
0,8 x 30/10	020300010080			
0,9 x 32/11	020300010090			
1,0 x 34/12	020300010100	020300010101	020300010102	
1,1 x 36/14	020300010110	020300010111	020300010112	
1,2 x 38/16	020300010120	020300010121	020300010122	
1,3 x 38/16	020300010130	020300010131	020300010132	
1,4 x 40/18	020300010140	020300010141	020300010142	
1,5 x 40/18	020300010150	020300010151	020300010152	
1,6 x 43/20	020300010160	020300010161	020300010162	
1,7 x 43/20	020300010170	020300010171	020300010172	
1,8 x 46/22	020300010180	020300010181	020300010182	
1,9 x 46/22	020300010190	020300010191	020300010192	
2,0 x 49/24	020300010200	020300010201	020300010202	020300010205
2,1 x 49/24	020300010210	020300010211	020300010212	
2,2 x 53/27	020300010220	020300010221	020300010222	
2,3 x 53/27	020300010230	020300010231	020300010232	
2,4 x 57/30	020300010240	020300010241	020300010242	
2,5 x 57/30	020300010250	020300010251	020300010252	020300010255
2,6 x 57/30	020300010260	020300010261	020300010262	
2,7 x 61/33	020300010270	020300010271	020300010272	
2,8 x 61/33	020300010280	020300010281	020300010282	
2,9 x 61/33	020300010290	020300010291	020300010292	
3,0 x 61/33	020300010300	020300010301	020300010302	020300010305
3,1 x 65/36	020300010310	020300010311	020300010312	
3,2 x 65/36	020300010320	020300010321	020300010322	020300010325
3,3 x 65/36	020300010330	020300010331	020300010332	
3,4 x 70/39	020300010340	020300010341	020300010342	
3,5 x 70/39	020300010350	020300010351	020300010352	020300010355
3,6 x 70/39	020300010360	020300010361	020300010362	
3,7 x 70/39	020300010370	020300010371	020300010372	
3,8 x 75/43	020300010380	020300010381	020300010382	
3,9 x 75/43	020300010390	020300010391	020300010392	
4,0 x 75/43	020300010400	020300010401	020300010402	020300010405
4,1 x 75/43	020300010410	020300010411	020300010412	
4,2 x 75/43	020300010420	020300010421	020300010422	020300010425
4,3 x 80/47	020300010430	020300010431	020300010432	
4,4 x 80/47	020300010440	020300010441	020300010442	
4,5 x 80/47	020300010450	020300010451	020300010452	020300010455
4,6 x 80/47	020300010460	020300010461	020300010462	
4,7 x 80/47	020300010470	020300010471	020300010472	
4,8 x 86/52	020300010480	020300010481	020300010482	
4,9 x 86/52	020300010490	020300010491	020300010492	
5,0 x 86/52	020300010500	020300010501	020300010502	020300010505

HSS METAL DRILL BITS

size D x L1/L2 (mm)	HSS-R article-no. 	HSS-GS article-no. 	HSS-Co article-no. 	HSS-Co cobalt <i>multi</i> article-no. 
5,1 x 86/52	020300010510	020300010511	020300010512	
5,2 x 86/52	020300010520	020300010521	020300010522	
5,3 x 86/52	020300010530	020300010531	020300010532	
5,4 x 93/57	020300010540	020300010541	020300010542	
5,5 x 93/57	020300010550	020300010551	020300010552	020300010555
5,6 x 93/57	020300010560	020300010561	020300010562	
5,7 x 93/57	020300010570	020300010571	020300010572	
5,8 x 93/57	020300010580	020300010581	020300010582	
5,9 x 93/57	020300010590	020300010591	020300010592	
6,0 x 93/57	020300010600	020300010601	020300010602	020300010605
6,1 x 101/63	020300010610	020300010611	020300010612	
6,2 x 101/63	020300010620	020300010621	020300010622	
6,3 x 101/63	020300010630	020300010631	020300010632	
6,4 x 101/63	020300010640	020300010641	020300010642	
6,5 x 101/63	020300010650	020300010651	020300010652	020300010655
6,6 x 101/63	020300010660	020300010661	020300010662	
6,7 x 101/63	020300010670	020300010671	020300010672	
6,8 x 109/69	020300010680	020300010681	020300010682	
6,9 x 109/69	020300010690	020300010691	020300010692	
7,0 x 109/69	020300010700	020300010701	020300010702	020300010705
7,1 x 109/69	020300010710	020300010711	020300010712	
7,2 x 109/69	020300010720	020300010721	020300010722	
7,3 x 109/69	020300010730	020300010731	020300010732	
7,4 x 109/69	020300010740	020300010741	020300010742	
7,5 x 109/69	020300010750	020300010751	020300010752	020300010755
7,6 x 117/75	020300010760	020300010761	020300010762	
7,7 x 117/75	020300010770	020300010771	020300010772	
7,8 x 117/75	020300010780	020300010781	020300010782	
7,9 x 117/75	020300010790	020300010791	020300010792	
8,0 x 117/75	020300010800	020300010801	020300010802	020300010805
8,1 x 117/75	020300010810	020300010811	020300010812	
8,2 x 117/75	020300010820	020300010821	020300010822	
8,3 x 117/75	020300010830	020300010831	020300010832	
8,4 x 117/75	020300010840	020300010841	020300010842	
8,5 x 117/75	020300010850	020300010851	020300010852	020300010855
8,6 x 125/81	020300010860	020300010861	020300010862	
8,7 x 125/81	020300010870	020300010871	020300010872	
8,8 x 125/81	020300010880	020300010881	020300010882	
8,9 x 125/81	020300010890	020300010891	020300010892	
9,0 x 125/81	020300010900	020300010901	020300010902	020300010905
9,1 x 125/81	020300010910	020300010911	020300010912	
9,2 x 125/81	020300010920	020300010921	020300010922	
9,3 x 125/81	020300010930	020300010931	020300010932	
9,4 x 125/81	020300010940	020300010941	020300010942	
9,5 x 125/81	020300010950	020300010951	020300010952	
9,6 x 133/87	020300010960	020300010961	020300010962	
9,7 x 133/87	020300010970	020300010971	020300010972	
9,8 x 133/87	020300010980	020300010981	020300010982	

HSS METAL DRILL BITS

size D x L1/L2 (mm)	HSS-R article-no.	HSS-GS article-no.	HSS-G article-no.	HSS-Co article-no.	HSS-Co cobalt <i>multi</i> article-no.
9,9 x 133/87	020300010990	020300010991		020300010992	
10,0 x 133/87	020300011000	020300011001		020300011002	020300011005
10,2 x 133/87	020300011020	020300011021		020300011022	
10,5 x 133/87	020300011050	020300011051		020300011052	
11,0 x 142/94	020300011100	020300011101		020300011102	020300011105
11,5 x 142/94	020300011150	020300011151		020300011152	
12,0 x 151/101	020300011200	020300011201		020300011202	020300011205
12,5 x 151/101	020300011250	020300011251		020300011252	
13,0 x 151/101	020300011300	020300011301		020300011302	020300011305
13,5 x 160/108			020300011350	020300011352	
14,0 x 160/108			020300011400	020300011402	
14,5 x 169/114			020300011450	020300011452	
15,0 x 169/114			020300011500	020300011502	
15,5 x 178/120			020300011550	020300011552	
16,0 x 178/120			020300011600	020300011602	
16,5 x 184/125			020300011650		
17,0 x 184/125			020300011700	020300011702	
17,5 x 191/130			020300011750		
18,0 x 191/130			020300011800	020300011802	
18,5 x 198/135			020300011850		
19,0 x 198/135			020300011900	020300011902	
19,5 x 205/140			020300011950		
20,0 x 205/140			020300012000	020300012002	

Packing unit: HSS-R 10 pcs / X-Pack: D 0,3 – 10,0 mm
HSS-GS 5 pcs / X-Pack: D 10,2 – 13,0 mm
HSS-Co 1 pc / X-Pack: > D 13,5 mm

HSS-Co cobalt *multi* 10 pcs / X-Pack: D 1,0 – 10,0 mm
5 pcs / X-Pack: D 11,0 – 13,0 mm

HSS-G DIN 338 metal drill bit with reduced shank d 10 / 12,7 mm

size D (mm)	L1/L2 (mm)	HSS-G article-no.
11,0 x 10,0	142/94	020300011104
12,0 x 10,0	151/101	020300011204
13,0 x 10,0	151/101	020300011304
13,5 x 12,7	160/108	020300011354
14,0 x 12,7	160/108	020300011401
14,5 x 12,7	169/114	020300011451
15,0 x 12,7	169/114	020300011501
15,5 x 12,7	178/120	020300011551
16,0 x 12,7	178/120	020300011601
16,5 x 12,7	184/125	020300011651
17,0 x 12,7	184/125	020300011701
17,5 x 12,7	191/130	020300011751
18,0 x 12,7	191/130	020300011801
18,5 x 12,7	198/135	020300011851
19,0 x 12,7	198/136	020300011901
19,5 x 12,7	205/140	020300011951
20,0 x 12,7	205/140	020300012001

Packing unit: 1 pc / EV-Pack



HSS-Co multi DIN 338 metal drill bit with reduced shank d 12,7 mm

size D (mm)	L1/L2 (mm)	HSS-Co multi article-no.
13,5 x 12,7	160/108	020300011356
14,0 x 12,7	160/108	020300011406
14,5 x 12,7	169/114	020300011456
15,0 x 12,7	169/114	020300011506
15,5 x 12,7	178/120	020300011556
16,0 x 12,7	178/120	020300011606
17,0 x 12,7	184/125	020300011706
18,0 x 12,7	191/130	020300011806
19,0 x 12,7	198/135	020300011906
20,0 x 12,7	205/140	020300012006

Packing unit: 1 pc / EV-Pack



HSS METAL DRILL BITS

HSS metal drill bit in EV-Pack DIN 338 | SHORT

size D x L1/L2 (mm)	EV-Pack (pcs)	HSS-R article-no.	HSS-GS article-no.	HSS-Co article-no.	HSS-GS MULTI SPEED article-no.
1,0 x 34/12	2	020340001000	020341001000	020341901000	
1,5 x 40/18	2	020340001500	020341001500	020341901500	
2,0 x 49/24	2	020340002000	020341002000	020341902000	020340002006
2,5 x 57/30	2	020340002500	020341002500	020341902500	020340002506
3,0 x 61/33	2	020340003000	020341003000	020341903000	020340003006
3,2 x 65/36	2	020340003200	020341003200	020341903200	020340003206
3,5 x 70/39	2	020340003500	020341003500	020341903500	020340003506
4,0 x 75/43	2	020340004000	020341004000	020341904000	020340004006
4,2 x 75/43	1	020340004200	020341004200	020341904200	020340004206
4,5 x 80/47	1	020340004500	020341004500	020341904500	020340004506
5,0 x 86/52	1	020340005000	020341005000	020341905000	020340005006
5,5 x 93/57	1	020340005500	020341005500	020341905500	020340005506
6,0 x 93/57	1	020340006000	020341006000	020341906000	020340006006
6,5 x 101/63	1	020340006500	020341006500	020341906500	020340006506
7,0 x 109/69	1	020340007000	020341007000	020341907000	020340007006
7,5 x 109/69	1	020340007500	020341007500	020341907500	020340007506
8,0 x 117/75	1	020340008000	020341008000	020341908000	020340008006
8,5 x 117/75	1	020340008500	020341008500	020341908500	020340008506
9,0 x 125/81	1	020340009000	020341009000	020341909000	020340009006
9,5 x 125/81	1	020340009500	020341009500		020340009506
10,0 x 133/87	1	020340010000	020341010000	020341910000	020340010006
10,5 x 133/87	1	020340010500	020341010500		020340010506
11,0 x 142/94	1	020340011000	020341011000	020341911000	020340011006
11,5 x 142/94	1	020340011500	020341011500		
12,0 x 151/101	1	020340012000	020341012000	020341912000	020340012006
12,5 x 151/101	1	020340012500	020341012500		
13,0 x 151/101	1	020340013000	020341013000	020341913000	020340013006



DIN 340 | LONG

size D x L1/L2 (mm)	EV-Pack (pcs)	HSS-GS article-no.
2,0 x 85/56	2	020344102000
2,5 x 95/62	2	020344102500
3,0 x 100/66	2	020344103000
3,2 x 106/69	2	020344103200
3,5 x 112/73	2	020344103500
4,0 x 132/87	2	020344104000
4,2 x 119/78	1	020344104200
4,5 x 126/82	1	020344104500
5,0 x 132/87	1	020344105000
5,5 x 139/91	1	020344105500
6,0 x 139/91	1	020344106000
6,5 x 148/97	1	020344106500
7,0 x 156/102	1	020344107000
7,5 x 156/102	1	020344107500
8,0 x 165/109	1	020344108000
8,5 x 165/109	1	020344108500
9,0 x 175/115	1	020344109000
10,0 x 175/115	1	020344110000
11,0 x 195/128	1	020344111000
12,0 x 205/134	1	020344112000
13,0 x 205/134	1	020344113000

HSS-GS double ended drill bit

Special twist drill, extra short, double ended, manufactured from High Speed Steel to DIN 1412 C, ground from solid stock.

Finish: bright

Suitable for sheet metal, thin steel plates, brass plates, zinc, sheet copper, aluminium, synthetic materials.



size D x L1/L2 (mm)	article-no.
2,5 x 43/10	020340302500
3,0 x 46/12	020340303000
3,1 x 49/12	020340303100
3,2 x 49/12	020340303200
3,3 x 49/12	020340303300
3,5 x 52/12	020340303500
4,0 x 55/12	020340304000

Packing unit: 10 pcs / X-Pack

size D x L1/L2 (mm)	article-no.
4,1 x 55/12	020340304100
4,2 x 55/12	020340304200
4,5 x 58/12	020340304500
4,9 x 62/14	020340304900
5,0 x 62/14	020340305000
5,1 x 62/14	020340305100

HSS-GS steel drill bit – extra short

Special twist drill manufactured from High Speed Steel to DIN 1897, ground from solid stock. Finish: bright

Suitable for steel, cast steel, alloyed and non-alloyed materials, spheroidal graphite cast iron, sintered iron, nickel brass (silver), graphite.



size D x L1/L2 (mm)	article-no.
2,0 x 38/12	020349802000
2,5 x 43/14	020349802500
3,0 x 46/16	020349803000
3,2 x 49/18	020349803200
3,3 x 49/18	020349803300
3,5 x 52/20	020349803500
4,0 x 55/22	020349804000
4,1 x 55/22	020349804100

Packing unit: D 2,0 mm - 6,0 mm: 10 pcs / X-Pack
D 6,5 mm - 8,0 mm: 10 pcs / X-Pack

size D x L1/L2 (mm)	article-no.
4,2 x 55/22	020349804200
4,5 x 58/24	020349804500
4,9 x 58/24	020349804900
5,0 x 62/26	020349805000
5,1 x 62/26	020349805100
6,0 x 66/28	020349806000
8,0 x 79/37	020349808000

HSS METAL DRILL SETS

content	HSS-R article-no.	HSS-GS article-no.	HSS-GS MULTI SPEED article-no.	HSS-GS TiN article-no.	HSS-Co article-no.	HSS-G VULCANO article-no.
① 6 pcs in plastic case (D 2,0 - 8,0 mm)	020314000610	020314100610	020314100616	020314200610	020314190610	
② 13 pcs in plastic case (D 1,5 - 6,5 mm x 0,5)	020314001340	020314001341			020314001342	
③ 19 pcs in plastic case (D 1,0 - 10,0 mm x 0,5)	020300191085	020300141019	020300191086	020300142019	020300141919	020330000019
④ 25 pcs in plastic case (D 1,0 - 13,0 mm x 0,5)	020300251085	020300141025			020300141925	020330000025
⑤ 50 pcs in plastic case (D 1,0 - 5,9 mm x 0,1)	020300501085	020314105010			020314195010	
⑥ 41 pcs in plastic case (D 6,0 - 10,0 mm x 0,1)	020300140041	020314104110			020314194110	
⑦ 170 pcs in plastic case (D 1,0 - 8,0 mm x 0,5 → 10 pcs D 8,5 - 10,0 mm x 0,5 → 5 pcs)	020314015000	020314017001			020314017087	



1.



2.



3.



4.



5.



6.



7.

HSS METAL DRILL BITS

HSS morse taper bit DIN 345

Twist drill manufactured from High Speed Steel with morse taper DIN 345. Finish: bright

Suitable for normal drilling work in all usual materials, steel and cast steel alloyed and non-alloyed up to 900 N/mm².



size D x L1/L2 (mm)	article-no.	size D x L1/L2 (mm)	article-no.	size D x L1/L2 (mm)	article-no.
MK 1		19,5 x 238/140	020344519500	MK 4	
8,0 x 156/75	020344508000	20,0 x 238/140	020344520000	32,0 x 334/185	020344532000
8,5 x 156/75	020344508500	20,5 x 243/145	020344520500	33,0 x 334/185	020344533000
9,0 x 162/81	020344509000	21,0 x 243/145	020344521000	34,0 x 339/190	020344534000
9,5 x 162/81	020344509500	21,5 x 248/150	020344521500	35,0 x 339/190	020344535000
10,0 x 168/87	020344510000	22,0 x 248/150	020344522000	36,0 x 344/195	020344536000
10,5 x 168/87	020344510500	22,5 x 253/155	020344522500	37,0 x 344/195	020344537000
11,0 x 175/94	020344511000	23,0 x 253/155	020344523000	38,0 x 349/200	020344538000
11,5 x 175/94	020344511500	MK 3		39,0 x 349/200	020344539000
12,0 x 182/101	020344512000	23,5 x 276/155	020344523500	40,0 x 349/200	020344540000
12,5 x 182/101	020344512500	24,0 x 281/160	020344524000	41,0 x 354/205	020344541000
13,0 x 182/101	020344513000	24,5 x 281/160	020344524500	42,0 x 354/205	020344542000
13,5 x 189/108	020344513500	25,0 x 281/160	020344525000	43,0 x 359/210	020344543000
14,0 x 189/108	020344514000	25,5 x 286/165	020344525500	44,0 x 359/210	020344544000
MK 2		26,0 x 286/165	020344526000	45,0 x 359/210	020344545000
14,5 x 212/114	020344514500	26,5 x 286/165	020344526500	46,0 x 364/215	020344546000
15,0 x 212/114	020344515000	27,0 x 291/170	020344527000	47,0 x 364/215	020344547000
15,5 x 218/120	020344515500	27,5 x 291/170	020344527500	48,0 x 369/220	020344548000
16,0 x 218/120	020344516000	28,0 x 291/170	020344528000	49,0 x 369/220	020344549000
16,5 x 223/125	020344516500	28,5 x 296/175	020344528500	50,0 x 369/220	020344550000
17,0 x 223/125	020344517000	29,0 x 296/175	020344529000	Packing unit: 1 pc / PP-tube	
17,5 x 228/130	020344517500	29,5 x 296/175	020344529500		
18,0 x 228/130	020344518000	30,0 x 296/175	020344530000		
18,5 x 233/135	020344518500	31,0 x 301/180	020344531000		
19,0 x 233/135	020344519000				

Hollow section twist drills, HSS-G

Due to the short spiral shape the drill is particularly suitable for the drilling and fitting of hollow sections. The reduction of the cross cutting edge guarantees an optimized centring and long tool life.

Suitable for steel (<900N/mm²): aluminium, brass and plastic.

size D (mm)	article-no. L1/L2 (mm) 150/30	article-no. L1/L2 (mm) 180/30	article-no. L1/L2 (mm) 210/30
5,1			020343205102
5,2			020343205202
5,3			020343205302
5,7	020343205700	020343205701	020343205702
5,8	020343205800	020343205801	020343205802

Packing unit: 5 pcs / PP-tube



HSS METAL DRILL BITS

HSS-G center drill bit DIN 333, shape A

Special twist drill ground from High Speed Steel to DIN 333
Finish: bright



size D (mm)	length (mm)	article-no.
2,0	40	020340402000
2,5	45	020340402500
3,15	50	020340403150
4,0	56	020340404000
5,0	63	020340405000
6,3	71	020340406000

Packing unit: 1 pc / X-Pack

HSS-GS long twist drill bit DIN 340

HSS ground straight shank twist drill bit DIN 340. Split point
DIN 1412 C. Finish: bright

Suitable for steel (alloyed and non-alloyed) up to 900 N/mm²,
cast irons, bronze, brass iron.



size D x L1/L2 (mm)	article-no.	size D x L1/L2 (mm)	article-no.
2,0 x 85/56	020344002000	6,2 x 148/97	020344006200
2,5 x 95/62	020344002500	6,5 x 148/97	020344006500
3,0 x 100/66	020344003000	7,0 x 156/102	020344007000
3,2 x 106/69	020344003200	7,5 x 156/102	020344007500
3,3 x 112/73	020344003300	8,0 x 165/109	020344008000
3,5 x 112/73	020344003500	8,5 x 165/109	020344008500
3,8 x 119/78	020344003800	9,0 x 175/115	020344009000
4,0 x 119/78	020344004000	9,5 x 175/115	020344009500
4,1 x 119/78	020344004100	10,0 x 184/121	020344010000
4,2 x 119/78	020344004200	10,5 x 184/121	020344010500
4,5 x 126/82	020344004500	11,0 x 195/128	020344011000
4,8 x 132/87	020344004800	11,5 x 195/128	020344011500
5,0 x 132/87	020344005000	12,0 x 205/134	020344012000
5,2 x 132/87	020344005200	12,5 x 205/134	020344012500
5,5 x 139/91	020344005500	13,0 x 205/134	020344013000
6,0 x 139/91	020344006000		

Packing unit: D 2,0 mm - 10,0 mm: 10 pcs / X-Pack
> D 10,5 mm: 5 pcs / X-Pack

HSS-GS extra long twist drill bit (series 1, 2 and 3) DIN 1869

HSS straight shank twist drill bit DIN 1869, ground. Split point
DIN 1412 C. Finish: bright

Suitable for steel (alloyed and non-alloyed) up to 900 N/mm²,
cast irons, bronze, brass iron.



1. Series		2. Series		3. Series	
D x L1/L2 (mm)	article-no.	D x L1/L2 (mm)	article-no.	D x L1/L2 (mm)	article-no.
3,0 x 150/100	020346803000	3,0 x 190/130	020346903000		
3,2 x 155/105	020346803200	3,2 x 200/135	020346903200		
3,5 x 165/115	020346803500	3,5 x 210/145	020346903500	3,5 x 265/180	020347003500
4,0 x 175/120	020346804000	4,0 x 220/150	020346904000	4,0 x 280/190	020347004000
4,5x 185/125	020346804500	4,2 x 220/150	020346904200		
		4,5 x 235/160	020346904500	4,5 x 295/200	020347004500
5,0 x 195/135	020346805000	5,0 x 245/170	020346905000	5,0 x 315/210	020347005000
5,5 x 205/140	020346805500	5,5 x 260/180	020346905500	5,5 x 330/225	020347005500
6,0 x 205/140	020346806000	6,0 x 260/180	020346906000	6,0 x 330/225	020347006000
6,5 x 215/150	020346806500	6,5 x 275/190	020346906500	6,5 x 350/235	020347006500
		7,0 x 290/200	020346907000	7,0 x 370/250	020347007000
8,0 x 240/165	020346808000	8,0 x 305/210	020346908000	8,0 x 390/265	020347008000
10,0 x 265/185	020346810000	10,0 x 340/235	020346910000	10,0 x 430/295	020347010000

Packing unit: 1 pc / PP-tube

Available in 3 lengths



1. series



2. series

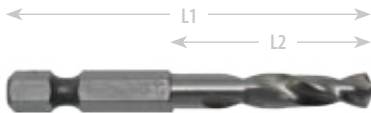
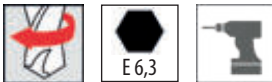


3. series



DRILL BITS WITH E 6,3 SHANK

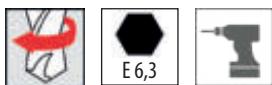
HSS-G metal drill bit



size D (mm)	L1/L2 (mm)	article-no.
3,0	47/16	020343003000
3,2	47/16	020343003200
3,5	47/16	020343003500
4,0	53/20	020343004000
4,2	53/20	020343004200
4,5	53/20	020343004500
5,0	59/26	020343005000
5,5	59/26	020343005500
6,0	59/26	020343006000
6,5	59/26	020343006500
7,0	59/30	020343007000
8,0	60/32	020343008000

Packing unit: 1 pc / EV-Pack

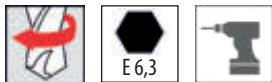
Wood drill bit (CV)



size D (mm)	length (mm)	article-no.
3,0	70	020343023000
4,0	75	020343024000
5,0	85	020343025000
6,0	95	020343026000
8,0	95	020343028000

Packing unit: 1 pc / EV-Pack

Masonry drill bit



size D (mm)	article-no.
4,0	020343030004
5,0	020343030005
6,0	020343030006
8,0	020343030008
10,0	020343030010

Packing unit: 1 pc / EV-Pack

Steel scriber

Designed to use on hard surfaces such as metal, glass or tile.



length (mm)	article-no.
150,0	020359100000

Packing unit: 1 pc / EV-Pack

Drill assist

High performance cutting paste. High heat resistance ensures good lubrication and cooling.



weight	article-no.
30 g	020391000000

Packing unit: 1 pc

(Perfect match to our HSS-Co step drills)

HSS-Co weld spot drill bit DIN 1897

HSS-Co 5% straight shank weld spot drill bit DIN 1897, with special center point DIN 1412C.

Suitable for steel and plastic sheets.



size D (mm)	article-no.
6,0	020348006000
8,0	020348008000

Packing unit: 1 pc / EV-Pack

HSS METAL DRILL BITS

Core drills with Weldon shank (3/4")

Manufactured from heavy-duty High Speed Steel.
For use in Magnetic-stand and pillar drilling machines.

Suitable for steel, cast iron, non-ferrous and light metals.

cutting depth: 30,0 mm
50,0 mm
110,0 mm



size D (mm)	article-no. cutting depth: 30,0 mm 	article-no. cutting depth: 50,0 mm 	article-no. cutting depth: 110,0 mm 
12,0	020344412000		
13,0	020344413000		
14,0	020344414000	020344314000	
15,0	020344415000	020344315000	
16,0	020344416000	020344316000	
17,0	020344417000	020344317000	
18,0	020344418000	020344318000	020344218000
19,0	020344419000	020344319000	020344219000
20,0	020344420000	020344320000	020344220000
21,0	020344421000	020344321000	020344221000
22,0	020344422000	020344322000	020344222000
23,0	020344423000	020344323000	020344223000
24,0	020344424000	020344324000	020344224000
25,0	020344425000	020344325000	020344225000
26,0	020344426000	020344326000	020344226000
27,0	020344427000	020344327000	020344227000
28,0	020344428000	020344328000	020344228000
29,0	020344429000	020344329000	020344229000
30,0	020344430000	020344330000	020344230000
31,0	020344431000	020344331000	020344231000
32,0	020344432000	020344332000	020344232000
33,0	020344433000	020344333000	020344233000
34,0	020344434000	020344334000	020344234000
35,0	020344435000	020344335000	020344235000
36,0	020344436000	020344336000	020344236000
37,0	020344437000	020344337000	020344237000
38,0	020344438000	020344338000	020344238000
39,0	020344439000	020344339000	020344239000
40,0	020344440000	020344340000	020344240000
41,0	020344441000	020344341000	
42,0	020344442000	020344342000	
43,0	020344443000	020344343000	
44,0	020344444000	020344344000	
45,0	020344445000	020344345000	020344245000
46,0	020344446000	020344346000	
47,0	020344447000	020344347000	
48,0	020344448000	020344348000	
49,0	020344449000	020344349000	
50,0	020344450000	020344350000	020344250000
51,0	020344451000	020344351000	
52,0	020344452000	020344352000	
53,0	020344453000	020344353000	
54,0	020344454000	020344354000	
55,0	020344455000	020344355000	020344255000
56,0	020344456000	020344356000	
57,0	020344457000	020344357000	
58,0	020344458000	020344358000	
59,0	020344459000	020344359000	
60,0	020344460000	020344360000	020344260000

HSS METAL DRILL BITS

Core drill sets

Manufactured from heavy-duty High Speed Steel.
For use in Magnetic-stand and pillar drilling machines.

cutting depth: 30,0 mm

article	size D (mm)	article-no.
7 pcs HSS core drill set	12,0 14,0 16,0 18,0 20,0 22,0	020344400007
6 pcs HSS core drill set	24,0 26,0 28,0 30,0 32,0	020344400006



Accessories



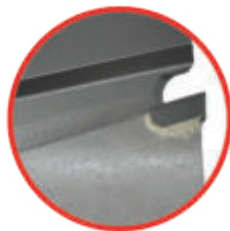
article	size (mm)	article-no.
pilot pin for core drills 30 mm	6,34 x 77	020344400001
pilot pin for core drills 50 mm	6,34 x 106	020344300001
pilot pin for core drills 110 mm	7,98 x 160	020344200001

Core drills with TCT teeth

Made from high performance HSS steel, and with TCT
toothings for maximum tool performance.
For use in Magnetic-stand and pillar drilling machines.

Suitable for train tracks, steel, stainless steel, cast iron
and aluminium

cutting depth: 50,0 mm



size D (mm)	article-no.	size D (mm)	article-no.
12,0	020344612000	29,0	020344629000
13,0	020344613000	30,0	020344630000
14,0	020344614000	31,0	020344631000
15,0	020344615000	32,0	020344632000
16,0	020344616000	33,0	020344633000
17,0	020344617000	34,0	020344634000
18,0	020344618000	35,0	020344635000
19,0	020344619000	36,0	020344636000
20,0	020344620000	37,0	020344637000
21,0	020344621000	38,0	020344638000
22,0	020344622000	39,0	020344639000
23,0	020344623000	40,0	020344640000
24,0	020344624000	45,0	020344645000
25,0	020344625000	50,0	020344650000
26,0	020344626000	55,0	020344655000
27,0	020344627000	60,0	020344660000
28,0	020344628000		

HSS METAL DRILL BITS

CT INOX tungsten carbide hole saw

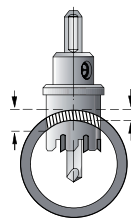
Manufactured from heavy-duty High Speed Steel.
When employing pillar drills, use manual advance only.

Suitable for high chrome alloyed steels, (V2A and V4A < to 2,0 mm),
steel and cast steel, non-ferrous and lightweight metals, plastics, reinforced
fabrics, plasterboard and lightweight boards, wood processing
up to max. 4,0 mm

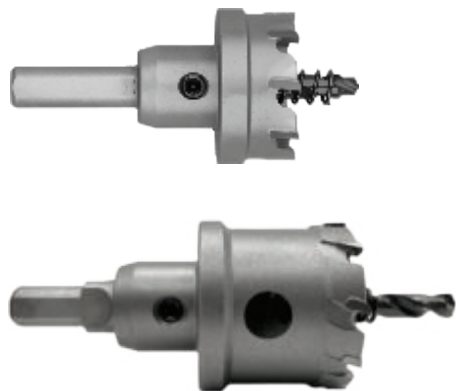
Shaft: d 10 mm

With ejector spring and pilot drill.

Cooling is needed!



also suitable
for pipe drilling



size D (mm)	article-no. cutting depth: 10,0 
16,0	070833016000
18,0	070833018000
20,0	070833020000
22,0	070833022000
25,0	070833025000
28,0	070833028000
30,0	070833030000
32,0	070833032000
35,0	070833035000
40,0	070833040000
45,0	070833045000
50,0	070833050000
55,0	070833055000
60,0	070833060000
65,0	070833065000
70,0	070833070000
80,0	070833080000
90,0	070833090000
100,0	070833100000

size D (mm)	article-no. cutting depth: 25,0 
16,0	070832016000
18,0	070832018000
20,0	070832020000
22,0	070832022000
25,0	070832025000
28,0	070832028000
30,0	070832030000
32,0	070832032000
35,0	070832035000
40,0	070832040000
45,0	070832045000
50,0	070832050000
55,0	070832055000
60,0	070832060000
65,0	070832065000
70,0	070832070000
80,0	070832080000
90,0	070832090000
100,0	070832100000

Packing unit: 1 pc / X-Pack

Center drill bit for CT INOX tungsten carbide hole saw



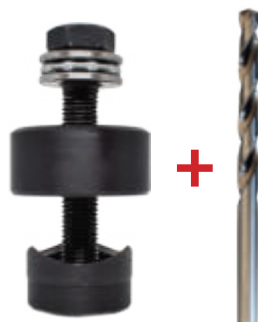
size D (mm)	article-no.
6 x 48	070833000000
6 x 76	070832000000

Packing unit: 1 pc / X-Pack

Screw hole punch

Specially designed for the easy and precise cutting of steel
sheets where water taps will be fitted.

Suitable for steel and stainless steel.



1 packing unit contains;
screw hole punch + HSS-GS D 12,0 mm drill

size D (mm)	article-no.
32,0	070860003200
35,0	070860003500

Packing unit: 1 pc / X-Pack



HSS STEP DRILL BITS

HSS-G precision step drill bit

CBN-ground step drill bit. Centering, pre-drilling, drilling out, and deburring in one work step.

Suitable for steel, sheet metal and plastic up to 4 mm thickness.

HSS-Co precision step drill bit

HSS cobalt-alloyed (5%) CBN-ground step drill bit. Centering, pre-drilling, drilling out, and deburring in one work step.

Suitable for steel, stainless steel and plastic up to 4 mm thickness.

HSS-TiN precision step drill bit

CBN-ground step drill bit with Titanium Nitride coating. Long lifetime.

Suitable for steel, sheet metal and plastic up to 4 mm thickness.

HSS-TiAlN precision step drill bit

CBN-ground step drill bit with Titanium Aluminium Nitride.

Suitable for steel, sheet metal, extremely hard metal up to 4 mm thickness.



size D (mm)	pitch (mm)	shank d (mm)	steps (mm)	length (mm)	HSS-G article-no.	HSS-Co article-no.	HSS-TiN article-no.	HSS-TiAlN article-no.
4,0 - 12,0	1,0	6,0	4 5 6 7 8 9 10 11 12	69	020391140412	020391150412	020391160412	020391170412
4,0 - 20,0	2,0	8,0	4 6 8 10 12 14 16 18 20	75	020391140420	020391150420	020391160420	020391170420
4,0 - 30,0	2,0	10,0	4 6 8 10 12 14 16 18 20 22 24 26 28 30	100	020391140630	020391150430	020391160430	020391170430
6,0 - 38,0	3,0	10,0	6 9 13 16 19 21 23 26 29 32 35 38	100	020391140638	020391150638	020391160638	020391170638

Packing unit: 1 pc / X-Pack

Attention!

HSS-Co step drills require cooling. The lifetime of these drilling tools can be increased greatly by cooling. Our ABRABORO paste provides suitable treatment during use, to maximise the drilling performance / lifetime. (Page 17)



Sets

article	content (mm)	HSS-G article-no.	HSS-Co article-no.	HSS-TiN article-no.	HSS-TiAlN article-no.
Step drill set 3 pcs	D 4,0 - 12,0 D 4,0 - 20,0 D 4,0 - 30,0	020391140003	020391150003	020391160003	020391170003

HSS-G precision conical drill bit

CBN-ground conical drill bit. Split Point DIN 1412 C, self centering, bright. Stepless drilling without pre-drilling.

Suitable for steel, sheet metal and plastic up to 4 mm thickness.



size D (mm)	shank d (mm)	length (mm)	article-no.
5,0 - 20,0	8,0	71	020391000620
5,0 - 31,0	9,0	103	020391000630
16,0 - 30,5	9,0	76	020391001630
24,0 - 40,0	10,0	89	020391002640

Packing unit: 1 pc / X-Pack

HSS PRECISION COUNTERSINKS

HSS precision countersink 90° DIN 335C

HSS-G countersink

CBN-ground countersink with straight shank. 3-cutting edges-geometry DIN 335C, bright. Chatter-free deburring, accurate centering, excellent chip removal, regrindable.

Suitable for steel up to 900 N/mm², cast iron, copper, aluminium.

HSS-Co countersink

HSS cobalt-alloyed (5%), CBN-ground countersink with straight shank.

3-cutting edges-geometry DIN 335C, bright.

Chatter-free deburring, accurate centering, excellent chip removal, regrindable.

Suitable for steel over 900 N/mm², stainless steel.

HSS-TiN countersink

CBN-ground countersink with straight shank. 3-cutting edges-geometry DIN 335C, bright.

Chatter-free deburring, accurate centering, excellent chip removal, regrindable.



size D (mm)	shank d (mm)	for sinking (mm)	length (mm)	HSS-G	HSS-Co	HSS-TiN
				article-no.	article-no.	article-no.
1,5 - 6,3	5,0	M 3	45,0	020391030063	020392030063	020393030063
2,0 - 8,3	6,0	M 4	50,0	020391030083	020392030083	020393030083
2,5 - 10,4	6,0	M 5	50,0	020391030104	020392030104	020393030104
2,8 - 12,4	8,0	M 6	56,0	020391030124	020392030124	020393030124
3,2 - 16,5	10,0	M 8	60,0	020391030165	020392030165	020393030165
3,5 - 20,5	10,0	M 10	63,0	020391030205	020392030205	020393030205
3,8 - 25,0	10,0	M 12	67,0	020391030250	020392030250	020393030250

Packing unit: 1 pc / X-Pack



Sets

type	content D (mm)	HSS-G	HSS-Co	HSS-TiN
		article-no.	article-no.	article-no.
Countersinker set 6 pcs	1,5 - 6,3 2,0 - 8,3 2,5 - 10,4 2,8 - 12,4 3,2 - 16,5 3,5 - 20,5	020391030002	020392030006	020393030006

HSS-Co precision countersink with cross hole 90°

HSS cobalt-alloyed (5%), CBN-ground countersink with straight shank.

Cross hole 90°, 1-cutting edge-geometry, bright. Chatterfree operation, accurate centering, excellent chip removal, regrindable.

Suitable for steel over 900 N/mm², stainless steel.



size D (mm)	length (mm)	shank d (mm)	article-no.
2,0 - 5,0	45,0	6,0	020391070001
5,0 - 10,0	48,0	8,0	020391070002
10,0 - 15,0	65,0	10,0	020391070003
15,0 - 20,0	85,0	12,0	020391070004

Packing unit: 1 pc / X-Pack



TCT ROTARY BURRS

High quality TC carbide burrs

Surface: bright, silver. Shank: 6 mm

To debur, break edges, trim, process welding seams, surface processing.

Packing unit: 1 pc/PP-tube

- highly recommended
- recommended
- ✗ not recommended

cut	double	standard	alu	diamond
	 general use	 general use	 non-ferrous metal	 very hard metal
aluminium	✗	✗	●	✗
plastic	✗	✗	●	✗
copper	●	●		✗
brass	●	●		● ●
cast iron	●	●		● ●
bronze	●	●		● ●
unhardened steel	●	●		● ●
hardened steel	●	●		●
stainless steel	●	●		●
nimonic	●	●		●
titanium	●	●		●

Shape A, cylinder without endtooththing

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.	diamond article-no.
6,0 x 50/16	020348116010			
8,0 x 65/20	020348116011			
10,0 x 65/20	020348116012	020348112010	020348113010	020348118010
12,0 x 70/25	020348116013	020348112011	020348113011	020348118011
16,0 x 70/25	020348116014			



Shape B, cylinder with endtooththing

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.	diamond article-no.
6,0 x 50/16	020348116015			
8,0 x 65/20	020348116016			
10,0 x 65/20	020348116017	020348112012	020348113012	020348118012
12,0 x 70/25	020348116018	020348112013	020348113013	020348118013
16,0 x 70/25	020348116019			



Shape C, ball nosed cylinder

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.	diamond article-no.
6,0 x 50/18	020348116020			
8,0 x 63/18	020348116021	020348112014		
10,0 x 65/20	020348116022	020348112015	020348113014	020348118015
12,0 x 70/25	020348116023	020348112016		020348118016
16,0 x 70/25	020348116024			



Shape D, ball

cut size D x L1/L2 (mm)	double article-no.
6,0 x 50/5	020348116041
8,0 x 52/7	020348116042
10,0 x 54/9	020348116043
12,0 x 55/10,8	020348116044
16,0 x 59/14	020348116045



Shape E, oval

cut size D x L1/L2 (mm)	double article-no.
6,0 x 50/10	020348116046
8,0 x 58/13	020348116047
10,0 x 61/16	020348116048
12,0 x 65/20	020348116049
16,0 x 70/25	020348116050



TCT ROTARY BURRS

Shape F, ball nosed tree

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.
6,0 x 50/16	020348116030		
8,0 x 65/20	020348116031		
10,0 x 65/20	020348116032	020348112017	020348113015
12,0 x 70/25	020348116033	020348112018	020348113016
16,0 x 70/25	020348116034		



Shape G, pointed tree

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.	diamond article-no.
6,0 x 50/5	020348116025			
8,0 x 52/7	020348116026			
10,0 x 54/9	020348116027	020348112019	020348113017	020348118017
12,0 x 55/10,8	020348116028	020348112020	020348113018	020348118018
16,0 x 59/14	020348116029			



Shape H, flame

cut size D x L1/L2 (mm)	double article-no.
6,0 x 50/18	020348116051
8,0 x 65/20	020348116052
10,0 x 70/25	020348116053
12,0 x 77/32	020348116054
16,0 x 81/36	020348116055



Shape L, ball nosed cone

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	alu article-no.
6,0 x 50/16	020348116057		
8,0 x 67/22	020348116058		
10,0 x 70/25	020348116059	020348112022	
12,0 x 72/28	020348116060	020348112023	020348113019
16,0 x 78/33	020348116061		



Shape J, countersink 60°

cut size D x L1/L2 (mm)	double article-no.
16,0 x 62/14,5	020348116056



Shape M, cone

cut size D x L1/L2 (mm)	double article-no.	standard article-no.	diamond article-no.
6,0 x 50/20	020348116035		
8,0 x 64/18	020348116036		
10,0 x 64/16	020348116037	020348112025	020348118021
12,0 x 71/22	020348116038	020348112026	020348118022
16,0 x 71/25	020348116039		



Shape N, inverted cone

cut size D x L1/L2 (mm)	double article-no.
12,0 x 57/13	020348116062



SETS OF TCT ROTARY BURRS IN PLASTIC CASE

article / content	article-no.
set of 10 pcs, double cut N°3 2 x shape A, cylinder withouth end toothing (D 10,0, 12,0 mm) 2 x shape C, ball nosed cylinder (D 10,0, 12,0 mm) 2 x shape F, ball nose tree (D 10,0, 12,0 mm) 2 x shape G, pointed tree (D 10,0, 12,0 mm) 1 x shape D, ball (D 12,0 mm) 1 x shape M, cone (D 12,0 mm)	020348116003

N°3



article / content	article-no.
set of 10 pcs, double cut N°2 2 x shape A, cylinder withouth end toothing (D 6,0, 12,0 mm) 2 x shape C, ball nosed cylinder (D 6,0, 12,0 mm) 2 x shape D, ball (D 6,0, 12,0 mm) 2 x shape F, ball nose tree D 6,0, 12,0 mm) 2 x shape G, pointed tree (D 6,0, 12,0 mm)	020348116002

N°2



article / content	article-no.
set of 10 pcs, double cut N°4 1 x shape A, cylinder withouth end toothing (D 12,0 mm) 1 x shape B, cylinder with end toothing (D 12,0 mm) 1 x shape C, ball nosed cylinde (D 12,0 mm) 1 x shape D, ball (D 12,0 mm) 1 x shape E, oval (D 12,0 mm) 1 x shape F, ball nosed tree (D 12,0 mm) 1 x shape G, pointed tree (D 12,0 mm) 1 x shape H, flame (D 12,0 mm) 1 x shape L, ball nosed cone (D 12,0 mm) 1 x shape M, cone (D 12,0 mm)	020348116004

N°4

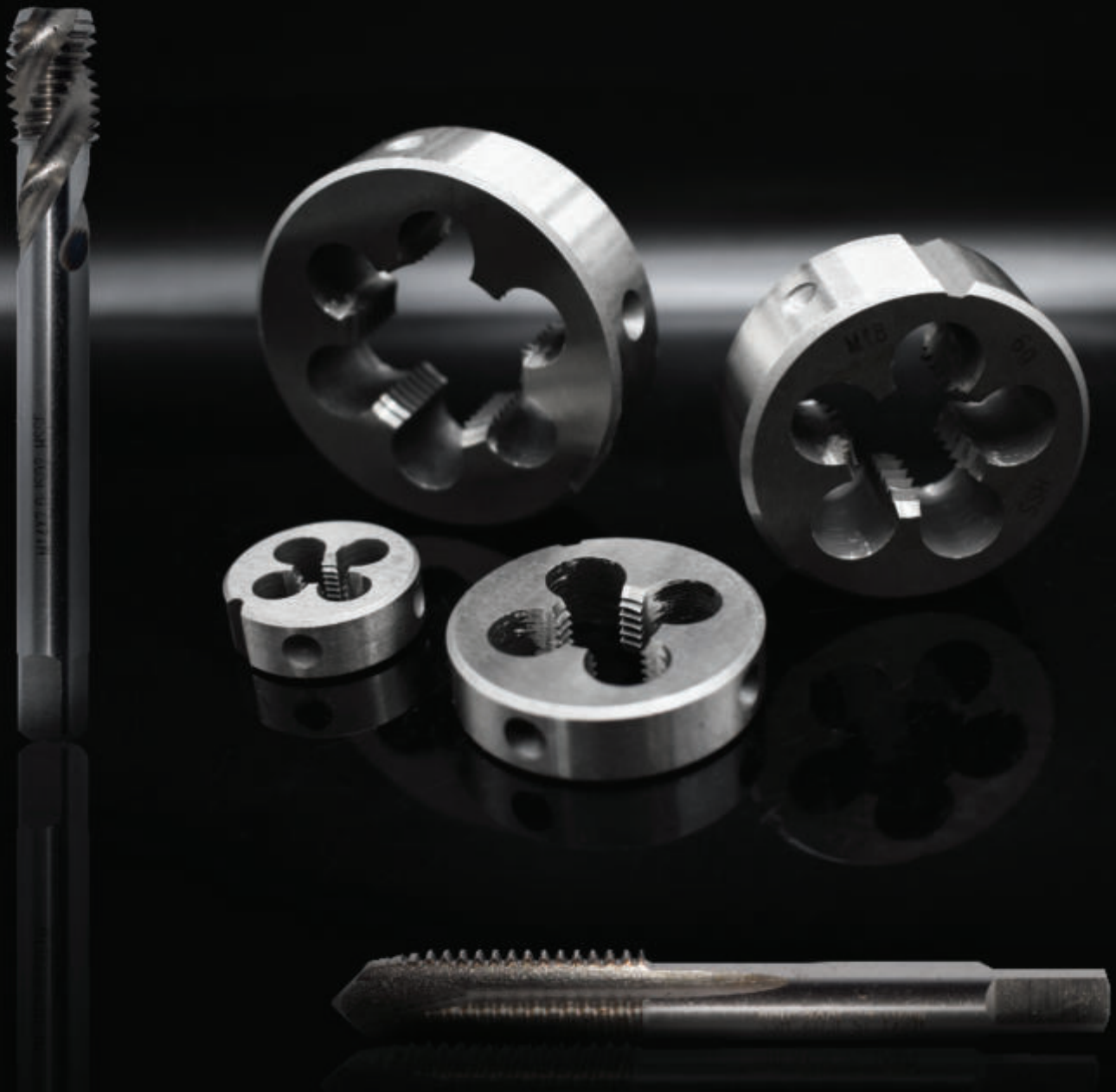


article / content	article-no.
set of 10 pcs, alu cut N°5 1 x shape A, cylinder withouth end toothing (D 10,0 mm) 1 x shape A, cylinder withouth end toothing (D 12,0 mm) 1 x shape B, cylinder with end toothing (D 10,0 mm) 1 x shape B, cylinder with end toothing (D 12,0 mm) 1 x shape C, ball nosed cylinder (D 10,0 mm) 1 x shape F, ball nose tree (D 10,0 mm) 1 x shape F, ball nose tree (D 12,0 mm) 1 x shape L, ball nosed cone (D 12,0 mm) 1 x shape G, pointed tree (D 10,0 mm) 1 x shape G, pointed tree (D 12,0 mm)	020348116005

N°5



TAPS AND DIES



HAND TAPS

Hand tap M, HSS-G DIN 352 | METRIC

For thorough holes and blind holes. The thread is cut in three operations.

High cutting performance, easy free cutting.

Suitable for unalloyed and low-alloyed steels up to 800 N/mm², malleable cast iron and non-ferrous metals.



Set: 3 pcs

Taper tap: 5-6 thread chamfer

Secound tap: 4-5 thread chamfer

Final tap: 2-3 thread chamfer

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	article-no.
M 2	0,40	1,60	36,0	8,0	020345302000
M 3	0,50	2,50	40,0	10,0	020345303000
M 4	0,70	3,30	45,0	12,0	020345304000
M 5	0,80	4,20	50,0	13,0	020345305000
M 6	1,00	5,00	56,0	15,0	020345306000
M 7	1,00	6,00	56,0	16,0	020345307000
M 8	1,25	6,80	63,0	18,0	020345308000
M 10	1,50	8,50	70,0	24,0	020345310000
M 12	1,75	10,20	75,0	29,0	020345312000
M 14	2,00	12,00	80,0	30,0	020345314000
M 16	2,00	14,00	80,0	32,0	020345316000
M 18	2,50	15,50	95,0	40,0	020345318000
M 20	2,50	17,50	95,0	40,0	020345319000
M 22	2,50	19,50	100,0	40,0	020345322000
M 24	3,00	21,00	110,0	45,0	020345324000

Packing unit: 1 set / X-Pack

Hand tap MF, HSS-G DIN 2181 | METRIC FINE

For thorough holes and blind holes. The thread is cut in two operations. High

cutting performance, easy, free cutting.

Suitable for unalloyed or low-alloyed steels up to 800 N/mm², malleable cast iron and non-ferrous metals.



Set: 2 pcs

Taper tap: 5-6 thread chamfer

Final tap: 2-3 thread chamfer

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	article-no.
MF 5	0,75	4,20	50,0	13,0	020345405000
MF 6	0,75	5,20	50,0	15,0	020345406000
MF 8	0,75	7,20	56,0	18,0	020345408000
MF 8	1,00	7,00	56,0	18,0	020345408001
MF 10	1,00	9,00	63,0	18,0	020345410000
MF 10	1,25	8,80	70,0	24,0	020345410001
MF 12	1,00	11,00	70,0	20,0	020345412000
MF 12	1,25	10,80	70,0	20,0	020345412001
MF 12	1,50	10,50	70,0	20,0	020345412002
MF 14	1,25	12,80	70,0	20,0	020345414000
MF 14	1,50	12,50	70,0	20,0	020345414001
MF 16	1,50	14,50	70,0	20,0	020345416000
MF 18	1,50	16,50	80,0	22,0	020345418000
MF 20	1,50	18,50	80,0	22,0	020345420000
MF 22	1,50	20,50	80,0	22,0	020345422000
MF 24	1,50	22,50	90,0	22,0	020345424000

Packing unit: 1 set / X-Pack

Single-cut tap M, HSS-G DIN 352 | METRIC

For manual and machine use for through holes.

The thread can be cut in one operation.

Suitable for unalloyed and low-alloyed steels up to 800 N/mm².



Chamfer: type B, 4-5 threads with progressive tap

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	article-no.
M 2	0,40	1,6	36,0	8	020345202000
M 2,5	0,45	2,0	40,0	9	020345202500
M 3	0,50	2,50	40,0	10,0	020345203000
M 4	0,70	3,30	45,0	12,0	020345204000
M 5	0,80	4,20	50,0	13,0	020345205000
M 6	1,00	5,00	50,0	15,0	020345206000
M 8	1,25	6,80	56,0	18,0	020345208000
M 10	1,50	8,50	70,0	24,0	020345210000
M 12	1,75	10,20	75,0	29,0	020345212000

Packing unit: 1 pc / X-Pack

MACHINE TAPS

Machine tap M, HSS-G and HSS-Co DIN 371 | METRIC

With reinforced shank for thorough holes. Optimal chip removal.

HSS-G: unalloyed and low-alloyed steels up to 800 N/mm².

HSS-Co (5%): also for use in stainless steel.



Chamfer: type B, 4-5 threads with progressive tap

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no. HSS-G	article-no. HSS-Co
M 3	0,50	2,50	56	10,0	3,50	020345220003	020345240003
M 4	0,70	3,30	63	12,0	4,50	020345220004	020345240004
M 5	0,80	4,20	70	13,0	6,00	020345220005	020345240005
M 6	1,00	5,00	80	13,0	6,00	020345220006	020345240006
M 8	1,25	6,80	90	18,0	8,00	020345220008	020345240008
M 10	1,50	8,50	100	20,0	10,00	020345220010	020345240010

Packing unit: 1 pc / X-Pack

Machine tap M, HSS-G and HSS-Co DIN 376 | METRIC

With overflow shank for thorough holes. Optimal chip removal.

HSS-G: unalloyed and low-alloyed steels up to 800 N/mm².

HSS-Co (5%): also for use in stainless steel.



Chamfer: type B, 4-5 threads with progressive tap

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no. HSS-G	article-no. HSS-Co
M 3	0,50	2,50	56,0	10,0	2,20	020345250003	020345260003
M 4	0,70	3,30	63,0	12,0	2,80	020345250004	020345260004
M 5	0,80	4,20	70,0	13,0	3,50	020345250005	020345260005
M 6	1,00	5,00	80,0	13,0	4,50	020345250006	020345260006
M 8	1,25	6,80	90,0	18,0	6,00	020345250008	020345260008
M 10	1,50	8,50	100,0	20,0	7,00	020345250010	020345260010
M 12	1,75	10,20	110,0	22,0	9,00	020345250012	020345260012
M 14	2,00	12,00	110,0	25,0	11,00	020345250014	020345260014
M 16	2,00	14,00	110,0	28,0	12,00	020345250016	020345260016

Packing unit: 1 pc / X-Pack

Machine tap M, HSS-G and HSS-Co 35° DIN 371 | METRIC

With reinforced shank and 35° right-hand spiral flutes for blind holes.

Optimal chip removal. HSS-G: unalloyed and low-alloyed steels up to 800 N/mm².

HSS-Co (5%): also for use in stainless steel.



Chamfer: type C / 35° right-hand spiral flute, 2-3 threads

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no. HSS-G	article-no. HSS-Co
M 3	0,50	2,50	56,0	6,0	3,50	020345270003	020345280003
M 4	0,70	3,30	63,0	7,0	4,50	020345270004	020345280004
M 5	0,80	4,20	70,0	8,0	6,00	020345270005	020345280005
M 6	1,00	5,00	80,0	10,0	6,00	020345270006	020345280006
M 8	1,25	6,80	90,0	14,0	8,00	020345270008	020345280008
M 10	1,50	8,50	100,0	16,0	10,00	020345270010	020345280010

Packing unit: 1 pc / X-Pack

Machine tap M, HSS-G and HSS-Co 35° DIN 376 | METRIC

With overflow shank and 35° right-hand spiral flutes for blind holes.

Optimal chip removal. HSS-G: unalloyed and low-alloyed steels up to 800 N/mm².

HSS-Co (5%): also for use in stainless steel.



Chamfer: type C / 35° right-hand spiral flute, 2-3 threads

Flanks: profile ground, backed off

Finish: bright



thread D (mm)	pitch (mm)	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no. HSS-G	article-no. HSS-Co
M 12	1,75	10,20	110,0	18	9,0	020345230012	020345231012
M 14	2,00	12,00	110,0	20	11,0	020345230014	020345231014
M 16	2,00	14,00	110,0	22	12,0	020345230016	020345231016

Packing unit: 1 pc / X-Pack

MACHINE TAPS

Machine tap MF, HSS-Co 5 DIN 374 | METRIC FINE

With overflow shank for thorough holes. Optimal chip removal.
Suitable for stainless steel.



Chamfer: type B, 4-5 threads with progressive tap
Flanks: profile ground, backed off
Surface: bright



thread D (mm)	pitch	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no.
MF 4	0,50	3,65	63,0	10,0	2,8	020345251040
MF 5	0,50	4,50	70,0	12,0	3,5	020345251050
MF 6	0,75	5,20	80,0	14,0	4,5	020345251060
MF 8	1,00	7,00	90,0	22,0	6,0	020345251080
MF 10	1,00	9,00	90,0	20,0	7,0	020345251100
MF 10	1,25	8,80	100,0	24,0	7,0	020345251101
MF 12	1,00	11,00	100,0	22,0	9,0	020345251120
MF 12	1,25	10,80	100,0	22,0	9,0	020345251121
MF 12	1,50	10,50	100,0	22,0	9,0	020345251122
MF 14	1,25	12,70	100,0	22,0	11,0	020345251140
MF 14	1,50	12,50	100,0	22,0	11,0	020345251141
MF 16	1,50	14,50	100,0	22,0	12,0	020345251160

Packing unit: 1 pc / X-Pack

Machine tap MF, HSS-Co 5 DIN 374 | METRIC FINE

Machine taps with overflow shank and 35° right-hand spiral flutes for bottoming.
Suitable for stainless steel.



Chamfer: type C / 35° right-hand spiral flute, 2-3 threads
Flanks: profile ground, backed off
Surface: bright



thread D (mm)	pitch	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no.
MF 4	0,50	3,65	63,0	7,0	2,8	020345261040
MF 5	0,50	4,50	70,0	8,0	3,5	020345261050
MF 6	0,75	5,20	80,0	10,0	4,5	020345261060
MF 8	1,00	7,00	90,0	12,0	6,0	020345261080
MF 10	1,00	9,00	90,0	12,0	7,0	020345261100
MF 10	1,25	8,80	100,0	12,0	7,0	020345261101
MF 12	1,00	11,00	100,0	16,0	9,0	020345261120
MF 12	1,25	10,80	100,0	16,0	9,0	020345261121
MF 12	1,50	10,50	100,0	16,0	9,0	020345261122
MF 14	1,25	12,70	100,0	16,0	11,0	020345261140
MF 14	1,50	12,50	100,0	16,0	11,0	020345261141
MF 16	1,50	14,50	100,0	12,0	12,0	020345261160

Packing unit: 1 pc / X-Pack

Machine nut tap M, HSS-G DIN 357 | METRIC

Long shank to retain several cut nuts.
The thread is cut in one operation. For through holes.
Suitable for unalloyed and low-alloyed steels up to 800 N/mm².



Chamfer: 2/3 of the thread length
Flanks: profile ground, backed off
Finish: bright



thread D (mm)	pitch	thread core hole D (mm)	total length (mm)	thread length (mm)	shank d (mm)	article-no.
M 4	0,70	3,30	90,0	25,0	2,8	020345290004
M 5	0,80	4,20	100,0	28,0	3,5	020345290005
M 6	1,00	5,00	110,0	32,0	4,5	020345290006
M 8	1,25	6,80	125,0	40,0	6,0	020345290008
M 10	1,50	8,50	140,0	45,0	7,0	020345290010
M 12	1,75	10,20	180,0	50,0	9,0	020345290012

Packing unit: 1 pc / X-Pack

Combined machine tap M, 1/4" with hexagon shank, HSS-G | METRIC

Drilling holes and threads, countersinking and deburring in one operation. The material thickness must not exceed the thread diameter.
Suitable for unalloyed and low-alloyed steels up to 800 N/mm² strength, malleable cast iron and non-ferrous metals.



Flanks: profile ground, backed off
Finish: bright



thread D (mm)	pitch (mm)	total length (mm)	thread core hole D (mm)	article-no.
M 3	0,50	36,0	2,5	020345600003
M 4	0,70	39,0	3,3	020345600004
M 5	0,80	41,0	4,2	020345600005
M 6	1,00	44,0	5,0	020345600006
M 8	1,25	51,0	6,8	020345600008
M 10	1,50	59,0	8,5	020345600010

Packing unit: 1 pc / X-Pack

CIRCULAR DIES

Circular die HSS-G, DIN EN 22568 (DIN 223 B) | METRIC

The thread is cut in one operation. High cutting performance.
Suitable for unalloyed and low-alloyed steels up to 800 N/mm² and non-ferrous metals.



Type: B closed, pre-slitted
Thread: metric DIN ISO 13
Finish: bright



thread D (mm)	pitch (mm)	outside D (mm)	thickness (mm)	article-no.
M 2	0,40	16,0	5,0	020345830002
M 3	0,50	20,0	5,0	020345830003
M 4	0,70	20,0	5,0	020345830004
M 5	0,80	20,0	7,0	020345830005
M 6	1,00	20,0	7,0	020345830006
M 7	1,00	25,0	9,0	020345830007
M 8	1,25	25,0	9,0	020345830008
M 10	1,50	30,0	11,0	020345830010

thread D (mm)	pitch (mm)	outside D (mm)	thickness (mm)	article-no.
M 12	1,75	38,0	14,0	020345830012
M 14	2,00	38,0	14,0	020345830014
M 16	2,00	45,0	18,0	020345830016
M 18	2,50	45,0	18,0	020345830018
M 20	2,50	45,0	18,0	020345830020
M 22	2,50	55,0	22,0	020345830022
M 24	3,00	55,0	22,0	020345830024

Packing unit: 1 pc / X-Pack

Circular die MF, HSS-G DIN EN 22568 (DIN 223 B) | METRIC FINE

The thread is cut in one operation. High cutting performance.
Suitable for unalloyed and low-alloyed steels up to 800 N/mm² and non-ferrous metals.



Type: B closed, pre-slitted
Thread: metric fine DIN ISO 13
Finish: bright



thread D (mm)	pitch (mm)	outside D (mm)	thickness (mm)	article-no.
MF 3	0,35	20,0	5,00	020345840300
MF 4	0,35	20,0	5,00	020345840400
MF 4	0,50	20,0	5,00	020345840401
MF 5	0,75	20,0	7,00	020345840500
MF 6	0,75	20,0	7,00	020345840600
MF 8	0,75	25,0	9,00	020345840800
MF 8	1,00	25,0	9,00	020345840801
MF 10	1,00	30,0	11,00	020345841000
MF 10	1,25	30,0	11,00	020345841001

thread D (mm)	pitch (mm)	outside D (mm)	thickness (mm)	article-no.
MF 12	1,00	38,0	10,0	020345841200
MF 12	1,25	38,0	10,0	020345841201
MF 12	1,50	38,0	10,0	020345841202
MF 14	1,25	38,0	10,0	020345841400
MF 14	1,50	38,0	10,0	020345841401
MF 16	1,50	45,0	14,0	020345841600
MF 18	1,50	45,0	14,0	020345841800
MF 20	1,50	45,0	14,0	020345842000
MF 22	1,50	55,0	16,0	020345842200
MF 24	1,50	55,0	16,0	020345842400

Packing unit: 1 pc / X-Pack

Circular die HSS-G, DIN EN 24231 (DIN 5158)

Whitworth pipe thread. The thread is cut in one operation.
Suitable for unalloyed or low-alloyed steels up to 800 N/mm² and for non-ferrous metals.



Type: B closed, pre-slitted
Thread: DIN ISO 228 „G“ (cylindrical pipe thread)
Finish: bright



thread D (mm)	pitch (mm)	outside D (mm)	thickness (mm)	article-no.
G 1/8"	28	30	11,0	020345850018
G 1/4"	19	38	10,0	020345850014
G 3/8"	19	45	14,0	020345850038
G 1/2"	14	45	14,0	020345850012
G 3/4"	14	55	16,0	020345850034
G 1"	11	65	18,0	020345850001

Packing unit: 1 pc / X-Pack

Thread deburrer

Hardened steel blades remove burrs and uneven ridges from threaded rods, pipes and more.
Suitable for steels, brass, copper, aluminium and wood



size D (mm)	article-no.
3-20	020345330001

Packing unit: 1 pc

ACCESSORIES

Die stock, DIN 225

For closed and slotted taps according to DIN EN 24231.
With steel handles and five screws for clamping the tap.
Die-cast zinc housing.

size D (mm)	thickness (mm)	length (mm)	for tap size			article-no.
			M + MF	Ww	G	
16	5,0	160,0	M 1 - 2,6	1/16" - 3/32"	-	020345820016
20	5,0	200,0	M 3 - 4	1/8" - 5/32"	-	020345820020
20	7,0	200,0	M 4,5 - 6	3/16" - 1/4"	-	020345820021
25	9,0	224,0	M 7 - 9	5/16"	1/16"	020345820025
30	11,0	280,0	M 10 - 11	3/8" - 7/16"	1/8"	020345820030
38	10,0	315,0	MF 12 - 15	-	1/4"	020345820038
38	14,0	315,0	M 12 - 14	1/2" - 9/16"	-	020345820039
45	14,0	450,0	MF 16 - 20	-	3/8" - 1/2"	020345820045
45	18,0	450,0	M 16 - 20	5/8" - 13/16"	-	020345820046
55	16,0	560,0	MF 22 - 26	-	5/8" - 3/4"	020345820055
55	22,0	560,0	M 22 - 24	7/8" - 1"	-	020345820056

Packing unit: 1 pc



Adjustable tap of hand taps, DIN 1814

For direct holding hand taps. With two-jaw chuck for tensioning square shanks and steel handles one of which can be unscrewed. Die-cast zinc housing, hardened chuck jaws.

type	length (mm)	for tap size			article-no.
		M + MF	Ww	G	
0	130,0	M 1 - 8	1/16 - 1/4"	-	020345320006
1	176,0	M 1 - 10	1/16 - 3/8"	-	020345320007
1 1/2	176,0	M 1 - 12	1/16 - 1/2"	1/8"	020345320001
2	280,0	M 4 - 12	5/32 - 1/2"	1/8" - 3/8"	020345320002
3	380,0	M 5 - 20	7/32 - 3/4"	1/8" - 1/2"	020345320003
4	505,0	M 11 - 27	7/16 - 1"	1/8" - 3/4"	020345320004
5	700,0	M 13 - 32	1/2 - 1 1/4"	1/4" - 1"	020345320005

Packing unit: 1 pc



Tap wrench with ratchet, DIN 1814

For thread-cutting in inaccessible places. With two jaw chuck for tensioning square shanks. Left-hand and right-hand use. Sliding cross-handle with grooves at both ends. Chromium-plated.



size	length (mm)	for tap size			article-no.
		M	Ww	G	
1	85,0	M 3 - 10	1/8" - 3/8"	-	020345320000
2	100,0	M 5 - 12	7/32" - 1/2"	1/8"	020345321000

Packing unit: 1 pc

Pitch gauge



size	article-no.
M 2 - M 12	020345000001

Packing unit: 1 pc

THREAD CUTTING SETS

article	article-no.
1. 7 pcs set of circular dies, HSS-G M3 M4 M5 M6 M8 M10 M12	020345810008
2. 7 pcs set of machine taps, HSS-G DIN 371 type B M3 M4 M5 M6 M8 M10 M12	020345800010
3. 7 pcs set of machine taps, HSS-Co DIN 371 type B M3 M4 M5 M6 M8 M10 M12	020345800011
4. 7 pcs set of machine taps, HSS-G DIN 371 type C M3 M4 M5 M6 M8 M10 M12	020345800012
5. 7 pcs set of machine taps, HSS-Co DIN 371 type C M3 M4 M5 M6 M8 M10 M12 DIN 371	020345800013
6. D1 14 pcs set of machine taps HSS-G 7 machine taps DIN 371 / DIN 376 type B, for through holes: M3 M4 M5 M6 M8 M10 M12 7 twist drills HSS-GS DIN 338 Typ N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm	020345800014
7. D2 14 pcs set of machine taps, HSS-Co 7 machine taps DIN 371 / DIN 376 type B, for through holes: M3 M4 M5 M6 M8 M10 M12 7 twist drills HSS-Co DIN 338 Typ N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm	020345800015
8. S1 14 pcs set of machine taps, HSS-G 7 machine taps DIN 371 / DIN 376 type C / 35°, for blind holes: M3 M4 M5 M6 M8 M10 M12 7 twist drills HSS-GS DIN 338 Typ N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm	020345800016
9. S2 14 pcs set of machine taps, HSS-Co 7 machine taps DIN 371 / DIN 376 type C / 35°, for blind holes: M3 M4 M5 M6 M8 M10 M12 7 twist drills HSS-Co DIN 338 Typ N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm	020345800017
10. 7 pcs set of combined machine taps, short 6 combined machine taps: M3 M4 M5 M6 M8 M10, 1 magnetic bitholder	020345800007
11. 15 pcs set of single-cut taps, HSS-G DIN 352 7 single-cut taps HSS-G, DIN 352: M3 M4 M5 M6 M8 M10 M12 7 twist drills HSS-GS DIN 338 type N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm 1 tap wrench, size 1 1/2, DIN 1814	020345300015



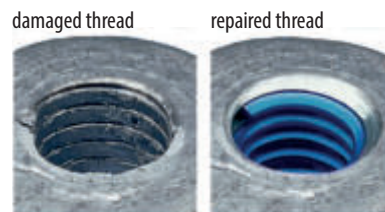
THREAD REPAIR KITS

article	article-no.
12. 16 pcs set of thread cutting tool in plastic case, HSS-G 7 hand taps HSS-G, DIN 352: M3 M4 M5 M6 M8 M10 M12 7 circular dies HSS-GS DIN 338: M3 M4 M5 M6 M8 M10 M12 1 tap wrench, size 1, DIN 1814, 1 die stock size: D 25x9 mm	020345300016
13. 33 pcs set of thread cutting tool in plastic case, HSS-G M3-M12 7 hand taps M, DIN 352 (set at 3 pieces each), sizes: M3 M4 M5 M6 M8 M10 M12 7 circular dies M, DIN EN 22568, sizes: M3 M4 M5 M6 M8 M10 M12 1 tap wrench, size 1, DIN 1814, 1 die stock size: D 25x9 mm 1 screwdriver, 1 pitch gage, 1 tap wrench with ratchet, DIN 1814	020345300033
14. 45 pcs set of thread cutting tools in pastic case, HSS-G DIN 352 7 hand taps M, DIN 352 (set at 3 pieces each), sizes: M3 M4 M5 M6 M8 M10 M12 7 circular dies M, DIN EN 22568, sizes: M3 M4 M5 M6 M8 M10 M12 5 die stocks DIN 225, sizes: 20x5/20x7/25x9/30x11/38x14 mm 2 tap wrenches DIN 1814, size: 1 and 2 1 screwdriver, 1 pitch gage, 1 tap wrench with ratchet, DIN 1814 7 twist drills DIN 338, type N: D 2,5 3,3 4,2 5,0 6,8 8,5 10,2 mm	020345300044
15. 55 pcs set of thread cutting tools in plastic case 11 hand taps M, DIN 352 (set at 3 pieces each), sizes: M3 M4 M5 M6 M8 M10 M12 M14 M16 M18 M20 11 circular dies M, DIN EN 22568, sizes: M3 M4 M5 M6 M8 M10 M12 M14 M16 M18 M20 6 die stocks DIN 225, sizes: 20x5 20x7 25x9 30x11 38x14 45x18 mm 2 tap wrenches DIN 1814, sizes: 1 and 2 1 screwdriver / 1 pitch gage / 1 tap wrench with ratchet, DIN 1814	020345300055



THREAD REPAIR KITS

article	article-no.
24 pcs thread repair kit M4 - 1 x HSS-GS metal drill bit D 4,2 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 4 - 1 x pin-breaker M 4 - 20 x inserts M 4 x 0,70 / 1,5 D	020345900004
24 pcs thread repair kit M5 - 1 x HSS-GS metal drill bit D 5,2 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 5 - 1 x pin-breaker M 5 - 20 x inserts M 5 x 0,80 / 1,5 D	020345900005
24 pcs thread repair kit M6 - 1 x HSS-GS metal drill bit D 6,3 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 6 - 1 x pin-breaker M 6 - 20 x inserts M 6 x 1,00 / 1,5 D	020345900006
24 pcs thread repair kit M8 - 1 x HSS-GS metal drill bit D 8,3 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 8 - 1 x pin-breaker M 8 - 20 x inserts M 8 x 1,25 / 1,5 D	020345900008
19 pcs thread repair kit M10 - 1 x HSS-GS metal drill bit D 10,4 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 10 - 1 x pin-breaker M 10 - 20 x inserts M 10 x 1,25 / 1,5 D	020345900010
19 pcs thread repair kit M10 - 1 x HSS-GS metal drill bit D 10,4 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 10 - 1 x pin-breaker M 10 - 15 x inserts M 10 x 1,50 / 1,5 D	020345900011
14 pcs thread repair kit M12 - 1 x HSS-GS metal drill bit D 12,4 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 12 - 1 x pin-breaker M 12 - 15 x inserts M 12 x 1,50 / 1,5 D	020345900012
14 pcs thread repair kit M12 - 1 x HSS-GS metal drill bit D 12,4 mm - 1 x HSS-GS hand tap - 1 x fitting tool M 12 - 1 x pin-breaker M 12 - 10 x inserts M 12 x 1,75 / 1,5 D	020345900013
13 pcs thread repair kit M14 - 1 x HSS-GS hand tap - 1 x fitting tool M 14 - 1 x pin breaker M 14 - 10 x inserts M 14 x 2,00 / 1,5 D	020345900014
13 pcs thread repair kit M14 - 1 x HSS-GS hand tap - 1 x fitting tool M 14 - 1 x pin breaker M 14 - 10 x inserts M 14 x 1,25 / 1,5 D	020345900015
125 pcs thread repair kit, M 5/6/8/10/12 - 5 x HSS-GS hand tap - 5 x fitting tool M5 M6 M8 M10 M12 - 5 x pin-breaker M5 M6 M8 M10 M12 - inserts: 25 x M 5 x 0,80 25 x M 6 x 1,00 25 x M 8 x 1,25 25 x M 10 x 1,50 10 x M 12 x 1,75	020345905000
60 pcs thread repair kit 1,0 D - 10 x M3x0,5 M4x0,7 M5x0,8 M6x1,0 M8x1,25 - 5 x M10x1,5 M12x1,75	020345906010
60 pcs thread repair kit 1,5 D - 10 x M3x0,5 M4x0,7 M5x0,8 M6x1,0 M8x1,25 - 5 x M10x1,5 M12x1,75	020345906015
60 pcs thread repair kit 2,0 D - 10 x M3x0,5 M4x0,7 M5x0,8 M6x1,0 M8x1,25 - 5 x M10x1,5 M12x1,75	020345906020



CONCRETE DRILL BITS



CONCRETE DRILL BITS

Masonry drill bit

Straight shank drill bit according to DIN 8039.
Carbide tipped 130° angle.
From D 12,0-16,0 mm with reduced shank (10,0 mm).
Suitable for brick and masonry.



size D x L1/L2 (mm)	article-no.
3 x 60/30	020350003000
4 x 75/40	020350004000
5 x 85/50	020350005000
6 x 100/60	020350006000
7 x 100/60	020350007000

size D x L1/L2 (mm)	article-no.
8 x 120/80	020350008000
10 x 120/80	020350010000
12 x 150/85	020350012000
14 x 150/95	020350014000
16 x 150/95	020350016000

Packing unit: 1 pc / EV-Pack

size D x L1/L2 (mm)	Packing unit Profí-Pack	article-no.
5 x 85/50	25 pcs	020350020005
6 x 100/60	25 pcs	020350020006
8 x 120/80	15 pcs	020350020008
10 x 120/80	10 pcs	020350020010

Concrete drill bit, standard

Robust designed straight shank drill bit
Carbide-tipped 130° angle.
From D 12-16 mm with reduced shank (10,0 mm).
Suitable for brick, masonry, concrete, natural stone.



size D x L1/L2 (mm)	article-no.
3 x 60/30	020350103000
4 x 75/40	020350104000
5 x 85/50	020350105000
6 x 100/60	020350106000
7 x 100/60	020350107000

size D x L1/L2 (mm)	article-no.
8 x 120/80	020350108000
10 x 120/80	020350110000
12 x 150/85	020350112000
14 x 150/95	020350114000
16 x 150/95	020350116000

Packing unit: 1 pc EV-Pack

size D x L1/L2 (mm)	Packing unit Profí-Pack	article-no.
5 x 85/50	25 pcs	020350120005
6 x 100/60	25 pcs	020350120006
8 x 120/80	15 pcs	020350120008
10 x 120/80	10 pcs	020350120010

Long masonry drill bit

Robust designed drill bit, carbide-tipped 130° angle.
D 8-15 mm with straight shank, D 16-25 mm
with hexagonal shank.
Suitable for brick, masonry, concrete.



size D x L1/L2 (mm)	article-no.
8 x 400/300	020354008000
10 x 400/300	020354010000
12 x 400/300	020354012000
14 x 400/300	020354014000
16 x 400/300	020354016000
18 x 400/300	020354018000
20 x 400/300	020354020000

Packing unit: 1 pc / PP-tube



CONCRETE DRILL BITS

Concrete drill bit Diamant EVolution 2 | STANDARD LENGTH

Superior quality concrete drill bit with straight shank.
Special ground tungsten carbide tip, 130° angle.
Long lifetime, high drilling speed and extreme breaking strength.
Suitable for concrete, masonry, natural and artificial stone, granite.



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size D x L1/L2 (mm)	article-no.
3 x 60/30	020350803000
4 x 75/40	020350804000
5 x 85/50	020350805000
6 x 100/60	020350806000
7 x 100/60	020350807000
8 x 120/80	020350808000

size D x L1/L2 (mm)	article-no.
9 x 120/80	020350809000
10 x 120/80	020350810000
12 x 150/85	020350812000
14 x 150/95	020350814000
16 x 150/95	020350816000

Packing unit: 1 pc / EV-Pack

size D x L1/L2 (mm)	Packing unit Profi-Pack	article-no.
5 x 85/50	25 pcs	020350900005
6 x 100/60	25 pcs	020350900006
8 x 120/80	15 pcs	020350900008
10 x 120/80	10 pcs	020350900010

Concrete drill bit Diamant EVolution 2 | 200 MM LONG



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size D x L1/L2 (mm)	article-no.
6 x 200/130	020351406000
8 x 200/130	020351408000
10 x 200/130	020351410000
12 x 200/130	020351412000

Packing unit: 1 pc / EV-Pack

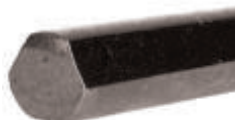


Concrete drill bit, Diamant 3D

High quality precision concrete drill bit with triangular shank, special carbide tip and steel body.
Suitable for natural stone, granite, brick, concrete and reinforced concrete.



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size D x L1/L2 (mm)	article-no.
4 x 103/40	020351004000
5 x 113/50	020351005000
6 x 123/60	020351006000
8 x 134/80	020351008000
10 x 134/80	020351010000
12 x 153/80	020351012000

Packing unit: 1 pc / EV-Pack



DRILL CHUCK AND ACCESSORIES



article	size	article-no.
① key-type drill chuck	D 1,5-13,0 mm, 1/2"-20 UNF	020372900000
② basic quick lock drill chuck	D 1,0-10,0 mm, 3/8"-24 UNF	020372930000
③ basic quick lock drill chuck	D -2,0-13,0 mm, 1/2"-20 UNF	020372920000
④ profi quick lock drill chuck	D 2,0-13,0 mm, 1/2"-20 UNF	020372921000
⑤ premium quick lock drill chuck	D 1,5-13,0 mm, 1/2"-20 UNF	020372922000
⑥ stationary drill machine chuck	D 1,0-13,0 mm, 1/2"-20 UNF	020372910001
⑦ stationary drill machine chuck	D 1,0-16,0 mm, B16	020372910002

SDS Plus drill chuck adapter with screw



size	article-no.
1,2" - 20 UNF	020369600000

Drill chuck drill key



size	article-no.
13 mm	020372900050

HAMMER DRILL BITS

ABRABORO® SDS Plus TWIXX hammer drill bits

Special carbide drill tip, combined with the optimized carbide cutting edge ensure fast drilling performance. Long service life and low probability of breaking are guaranteed due to the blast hardening technique applied during the production process. The Twinmax 3D spiral ensures highly effective drilling dust transport and minimal dust explosion even in deep holes.

Suitable for concrete, sand-lime brick, clinker, marble, brickwork, stone.



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size D x L1/L2 (mm)	article-no.	Profi-Pack 10 pcs / X-Pack article-no.	Big Box 50 pcs / X-Pack article-no.	size D x L1/L2 (mm)	article-no.
4 x 110/50	020300002352				
4 x 160/100	020300002396			14 x 160/100	020300002326
5 x 110/50	020300002301	020300000001		14 x 200/150	020300002360
5 x 160/100	020300002395			14 x 250/200	020300002327
5 x 210/150	020300002392			14 x 300/250	020300002361
5,5 x 110/50	020300002302			14 x 450/400	020300002379
5,5 x 160/100	020300002303			14 x 600/550	020300002328
6 x 110/50	020300002304	020300000002	020300000018	14 x 1000/950	020362914003
6 x 160/100	020300002305	020300000004	020300000019	14 x 1400/1350	020362914005
6 x 210/150	020300002364	020300000010		15 x 160/100	020300002329
6 x 260/200	020300002307			15 x 200/150	020300002366
6 x 310/250	020300002381			15 x 250/200	020300002330
6 x 350/300	020360806000			15 x 450/400	020300002331
6 x 460/400	020360806001			16 x 160/100	020300002372
6 x 600/550	020360806002			16 x 200/150	020300002332
6,5 x 160/100	020300002362			16 x 250/200	020300002335
6,5 x 210/150	020300002365			16 x 300/250	020300002353
6,5 x 260/200	020300002367			16 x 450/400	020300002333
7 x 110/50	020300002308			16 x 600/550	020300002334
7 x 160/100	020300002309			16 x 800/750	020362816003
7 x 210/150	020300002300			16 x 1000/950	020362916003
8 x 110/50	020300002310	020300000003		16 x 1400/1350	020362914004
8 x 160/100	020300002311	020300000005	020300000020	18 x 200/150	020300002336
8 x 210/150	020300002312	020300000007		18 x 250/200	020300002337
8 x 260/200	020300002356	020300000011		18 x 300/250	020300002394
8 x 310/250	020300002313			18 x 450/400	020300002354
8 x 360/300	020360808001			18 x 600/550	020362618000
8 x 460/400	020300002398			18 x 1000/950	020362918003
8 x 600/550	020362608000			20 x 200/150	020300002339
10 x 110/50	020300002314			20 x 250/200	020300002380
10 x 160/100	020300002315	020300000006	020300000021	20 x 300/250	020300002355
10 x 210/150	020300002357	020300000008		20 x 450/400	020300002340
10 x 260/200	020300002316	020300000013		20 x 600/550	020362620003
10 x 310/250	020300002393			20 x 1000/950	020362920000
10 x 350/300	020360810000			22 x 250/200	020300002341
10 x 460/400	020300002317			22 x 450/400	020300002342
10 x 600/550	020300002363			22 x 600/550	020362622003
10 x 1000/950	020362910003			22 x 800/750	020362822003
12 x 160/100	020300002320	020300000014 / 8pcs		22 x 1000/950	020362922003
12 x 210/150	020300002359	020300000009 / 8pcs		24 x 250/200	020300002345
12 x 260/200	020300002321	020300000015 / 8pcs		24 x 450/400	020300002346
12 x 310/250	020360712000			25 x 250/200	020300002347
12 x 450/400	020300002322			25 x 450/400	020300002348
12 x 600/550	020300002323			25 x 1000/950	020362925003
12 x 1000/950	020362912003			26 x 250/200	020300002349
12 x 1400/1350	020362912004			26 x 450/400	020300002350

Packing unit: 1 pc / EURO-hanger Profi-Pack: 10 pcs / pack

HAMMER DRILL BITS

ABRABORO® SDS Plus FORTY hammer drill bits

Optimised head design and Twinmax 3D flute for efficient dust removal and quick drilling. Extremely robust head for long life.

4 carbide cutting edges and center head for precisely round holes. HST hardened to ensure a long service life and avoid breakage. Comfortable, low-vibration drilling. Quick drilling in concrete and reinforced concrete.

Suitable for concrete, sand-lime brick, clinker, marble, brickwork, stone.

BREAKTHROUGH



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L1 L2



size D x L1/L2 (mm)	article-no.	Profi-Pack 10 pcs / X-Pack article-no.
5x 110/50	020300004001	
6 x 110/50	020300004002	020300004101
6 x 160/100	020300004003	020300004102
6 x 210/150	020300004004	020300004103
6 x 260/200	020300004005	
6,5 x 210/150	020300004006	
6,5 x 260/200	020300004007	
7 x 210/150	020300004008	
8 x 110/50	020300004009	
8 x 160/100	020300004010	020300004104
8 x 210/150	020300004011	020300004105
8 x 260/200	020300004012	020300004106
8 x 310/250	020300004013	
8 x 460/400	020300004014	
10 x 110/50	020300004037	
10 x 160/100	020300004015	020300004107
10 x 210/150	020300004016	020300004108
10 x 260/200	020300004017	020300004109
10 x 310/250	020300004018	
10 x 460/400	020300004019	
12 x 160/100	020300004020	
12 x 210/150	020300004021	
12 x 260/200	020300004022	
12 x 310/250	020300004023	
12 x 450/400	020300004024	
12 x 600/550	020300004025	
14 x 160/100	020300004026	
14 x 200/150	020300004027	
14 x 250/200	020300004028	
14 x 300/250	020300004029	
14 x 450/400	020300004030	
14 x 600/550	020300004031	
16 x 200/150	020300004032	
16 x 250/200	020300004033	
16 x 300/250	020300004034	
16 x 450/400	020300004035	
16 x 600/550	020300004036	

Packing unit:

1 pc / EURO-hanger

Profi-Pack: 10 pcs / pack

HAMMER DRILL BITS

ABRABORO® SDS Plus TRINITY hammer drill bits

NEW GENERATION OF HAMMER DRILL BITS

Excellent for drilling in heavy concrete such as; B45, reinforced concrete, pressed concrete, asphalt, concrete, sand-lime brick, clinker, marble, brickwork, natural stone, granite.



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- ✓ impeller cutting edge with 3 blades for more effective material removal
- ✓ increased power transmission when drilling due to shaftform head design
- ✓ long service life thanks to extremely wear-resistant singlephase tungsten carbide alloy
- ✓ robust head geometry thanks to embedded tungsten carbide head – will withstand multi impacts with reinforcement
- ✓ extremely fast removal of dust without blow-out due to wide spiral form
- ✓ optimised low-vibration triple spiral



size D x L1/L2 (mm)	article-no.
5 x 110/50	020300002743
6 x 110/50	020300002744
6 x 160/100	020300002745
6 x 210/150	020300002746
8 x 110/150	020300002753
8 x 160/100	020300002754
8 x 210/150	020300002755
8 x 260/200	020300002756
8 x 310/250	020300002757
8 x 460/400	020300002758
10 x 160/100	020300002760
10 x 210/150	020300002761
10 x 260/200	020300002762
10 x 310/250	020300002763
10 x 460/400	020300002764
12 x 160/100	020300002766
12 x 210/150	020300002767
12 x 260/200	020300002768
12 x 310/250	020300002769
12 x 450/400	020300002770
14 x 200/150	020300002773
14 x 300/250	020300002775
14 x 450/400	020300002776
16 x 200/150	020300002778
16 x 300/250	020300002780
16 x 450/400	020300002781

Packing unit: 1 pc / EURO-hanger

ABRABORO® SDS Plus hammer drill bits, Y-Cutter

The unique Y- head geometry ensures precision drill holes and exceptional low vibration.

Suitable for concrete, stone, brick-work, marble and clinker.



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- ✓ High drilling speed
- ✓ Long service life and low probability of breakage
- ✓ Optimal ergonomics – reduces stress on joints and muscles



size D x L1/L2 (mm)	article-no.
16 x 450/400	020300002401
18 x 450/400	020300002402
20 x 450/400	020300002403
22 x 450/400	020300002404
24 x 450/400	020300002405
25 x 450/400	020300002406
28 x 450/400	020300002383
30 x 450/400	020300002384

Packing unit: 1 pc / EURO-hanger



HAMMER DRILL BITS

THOR

ABRABORO® SDS Plus THOR hammer drill bits

Exceptional quality for a good price!

Special TCT cutting edge and unique flute ensure a quick and easy drilling experience in concrete, walls and bricks



size D x L1 / L2 (mm)	article-no.	size D x L1 / L2 (mm)	article-no.
5 x 110/50	020300005010	8 x 210/50	020300005018
6 x 110/50	020300005011	8 x 260/50	020300005019
6 x 160/50	020300005012	10 x 160/50	020300005020
6 x 210/50	020300005013	10 x 210/50	020300005021
6 x 260/50	020300005014	10 x 260/50	020300005022
6.5 x 210/50	020300005015	12 x 160/50	020300005023
6.5 x 260/50	020300005016	12 x 210/50	020300005024
8 x 160/50	020300005017	12 x 260/50	020300005025

Packing unit: 1 pc / EURO-hanger



SDS Plus core bit set

High quality TCT blades. Robust design ensures long service life. Complete set with SDS Plus adapter and pilot drill bit.

Suitable for concrete, stone and brickwork.



size D (mm)	length (mm)	HM toothings tpi száma	article-no.
66	50	6	020372206600
80	50	6	020372208200
100	50	6	020372201000

Packing unit: 1 pc / PP-tube



Accessories



article, size	article-no.
SDS Plus adapter, M 22 x 110 mm	020372200001
hexagon adapter, M 22 x 100 mm	020372100001
pilot drill bit, D 8,0 x 120 mm, M 22	020372808001

Packing unit: 1 pc

SDS Max adapter

Adapter for connecting drilling tools with SDS Plus shank.



length (mm)	article-no.
200	020369663630

MASONRY AND CONCRETE DRILL BIT SETS

Sets

type	size D (mm)	article-no.
① 5 pcs hammer drill bits set, standard (műanyag boxban)	4,0 5,0 6,0 8,0 10,0	020315010540
② 5 pcs diamant EV02 hammer drill bits set (műanyag boxban)	4,0 5,0 6,0 8,0 10,0	020315080540
③ 5 pcs kőzetfúró set (műanyag boxban)	4,0 5,0 6,0 8,0 10,0	020315000540
④ 8 pcs diamant EV02 hammer drill bits set (műanyag boxban)	3,0 4,0 5,0 6,0 7,0 8,0 9,0 10,0	020315080713
⑤ 18 pcs MASTER-MIX fúróset (fém boxban)	6 x HSS-R DIN 338 fémfúró 3,0 4,0 5,0 6,0 8,0 10,0 6 x short wood drill CV 3,0 4,0 5,0 6,0 8,0 10,0 6 x hammer drill bits 3,0 4,0 5,0 6,0 8,0 10,0	020317571830
⑥ 7 pcs SDS Plus FORTY hammer drill bits set (műanyag boxban)	5 x 110/50 6 x 110/50 8 x 110/50 6 x 160/100 8 x 160/100 10 x 160/100 12 x 160/100	020316990444
⑦ 7 pcs SDS Plus TWIXX hammer drill bits set (műanyag boxban)	5 x 110/50, 6 x 110/50, 8 x 110/50, 6 x 160/100, 8 x 160/100, 10 x 160/100 12 x 160/100	020316990442
⑧ 7 pcs SDS Plus TRINITY hammer drill bits set (műanyag boxban)	5 x 110/50 6 x 110/50 8 x 110/50 6 x 160/100 8 x 160/100 10 x 160/100 12 x 160/100	020316990443
⑨ 9 pcs MIX-SET fúróset (fém/fa/kőzetfúró, műanyag boxban)	3 x HSS-R DIN 338 fémfúró 5,0 6,0 8,0 3 x short wood drill CV 5,0 6,0 8,0 3 x kőzetfúró 5,0 6,0 8,0	020317570930
⑩ SDS PLUS THOR set	5 x 110/50 6 x 110/50 8 x 110/50 6 x 160/100 8 x 160/100 10 x 160/100 12 x 160/100	020316990445



HAMMER DRILL BITS

CLEAN EXPERT

The specialist for dust free drilling

Dust free drilling is no longer impossible!

The clean expert hammer drill bit can be connected to any vacuum cleaner to ensure a dust free drilling experience. Can remove up to 98% of dust that develops during the drilling process.

- ✓ Robust drill
- ✓ Quick, easy and clean drilling into bricks, walls and concrete
- ✓ Highly recommended for indoor drilling



CLEAN EXPERT hammer drill bits

with SDS Plus shank

size D x L1 / L2 (mm)	article-no.
6 x 220/100	020300003060
8 x 220/100	020300003080
10 x 220/100	020300003100

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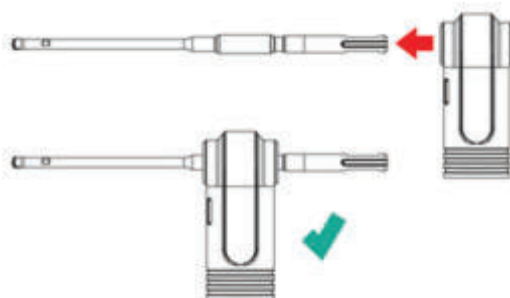
Adapter for CLEAN EXPERT hammer drill bit

size (mm)	article-no.
100	020300003120



EASY APPLICATION:

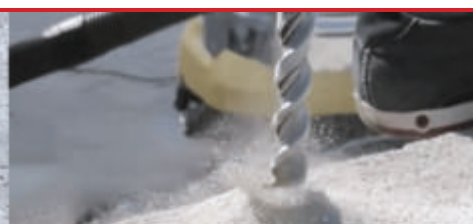
- ① Pull the adapter on the drill and connect it to the vacuum cleaner



- ② 98% of the drill dust is immediately removed when produced at the tip of the drill



Dust buildup using our CLEAN EXPERT



Dust buildup using other SDS Plus drill bit

HAMMER DRILL BITS

Super Quick SDS Max core bit

Hammer core bit for effective penetration.

- high drilling speed
- enhanced removal of due alternating high quality TCT blades
- extremely robust design ensures long lifetime
- effective penetration even in reinforced concrete

Suitable for laying pipes through concrete, gas concrete, sand-lime brick, clinker, brickwork, aerated concrete and stone.

Complete with interchangeable pilot drill bit.

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size D x L1 (mm)	article-no.
50 x 550	020373400050
68 x 550	020373400068
80 x 550	020373400080
90 x 550	020373400090
100 x 550	020373400100

Packing unit: 1 pc / PP-tube

Pilot drill bit for SDS Max core bit



size D x L1 (mm)	article-no.
12 x 128	020373400000



HAMMER DRILL BITS

ABRABORO® SDS Max Y-Cutter hammer drill bits

- 3 tungsten carbide cutting edges
- high drilling speed
- optimal ergonomics - kind to joints and muscles

Suitable for concrete, sand-lime brick, clinker, brickwork, stone, granite and marble.



* 2 cutting blades
D 12 - D 15 mm



** 3 cutting blades
D 16 mm



Y-cutter
from D 18 mm



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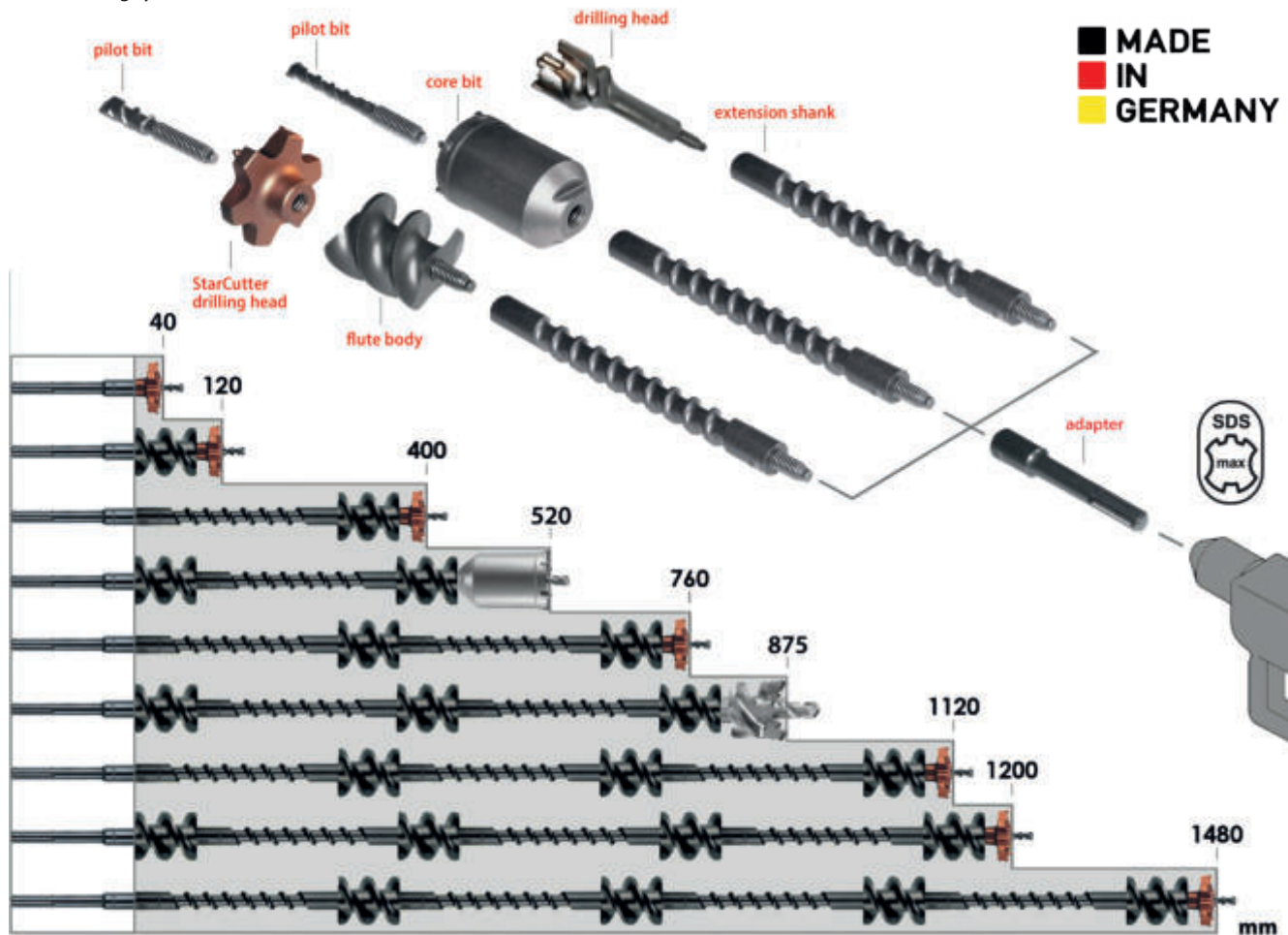
size D x L1 / L2 (mm)	article-no.
12 x 340/200*	020367612003
12 x 540/400*	020367912003
12 x 740/600*	020368212000
14 x 340/200*	020367614000
14 x 540/400*	020367914003
15 x 340/200*	020367615000
15 x 540/400*	020367915003
16 x 340/200**	020367616000
16 x 540/400**	020367916003
16 x 740/600**	020368216000
16 x 940/800**	020368320000
16 x 1340/800**	020368495161
18 x 340/200	020367618000
18 x 540/400	020367918003
18 x 740/600	020368218000
18 x 940/800	020368320001
20 x 320/200	020367520003
20 x 520/400	020367820003
20 x 720/600	020368220000
20 x 920/800	020368320003
22 x 320/200	020367522003
22 x 520/400	020367822003
22 x 720/600	020368222000
22 x 920/800	020368322003
22 x 1320/800	020368495221
24 x 320/200	020367524003
24 x 520/400	020367824003
25 x 320/200	020367525003
25 x 520/400	020367825003
25 x 720/600	020368225000
25 x 920/800	020368325003
25 x 1320/800	020368495251
26 x 320/200	020367726003
26 x 520/400	020367826003
28 x 320/200	020367728003
28 x 520/400	020368028003
28 x 720/600	020368128003
28 x 920/800	020368328003
30 x 320/200	020367730000
30 x 520/400	020368030003
30 x 720/600	020368230000

size D x L1 / L2 (mm)	article-no.
32 x 320/200	020367732003
32 x 520/400	020368032003
32 x 720/600	020368232000
32 x 920/800	020368332003
32 x 1320/800	020368495321
35 x 320/200	020367763503
35 x 520/400	020368035003
35 x 720/600	020368135003
38 x 320/200	020367738003
38 x 520/400	020368038003
38 x 720/600	020368238000
40 x 320/200	020367740003
40 x 520/400	020368040003
40 x 720/600	020368240000
40 x 920/800	020368340003
40 x 1320/800	020368495401
45 x 520/400	020368045000
50 x 520/400	020368050000

Packing unit: 1 pc / PP-tube

HAMMER DRILL BITS

RATiO drilling system



StarCutter RATiO drilling head

Excellent drilling performance and long service life thanks to the use of high-alloy special steel.

Suitable for concrete, brickwork, granite, marble, clinker and stone.

width = working length: 40 mm



size D (mm)	article-no.
35	020368503500
42	020368504200
52	020368505200
65	020368506500
80	020368508000
90	020368509000
100	020368510000
110	020368511000
125	020368512500

Packing unit: 1 pc / PP-tube

RATiO StarCutter pilot bit



size D x L1/L2 (mm)	article-no.
18 x 125/50	020368810000

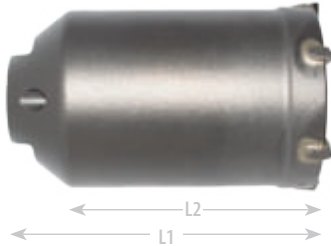


HAMMER DRILL BITS

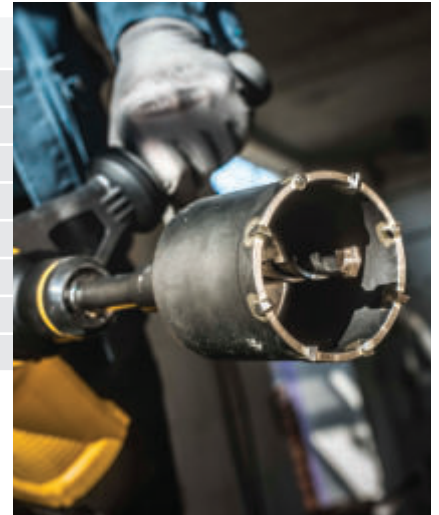
RATiO Quick core bit

Extremely quick hole drilling.

Suitable for concrete, stone, brickwork and reinforced concrete.



size D x L1/L2 (mm)	article-no.
50 x 105/80	020368950000
65 x 105/80	020368965000
68 x 105/80	020368968000
80 x 105/80	020368980000
90 x 105/80	020368990000
100 x 105/80	020368991000
125 x 105/80	020368991250
150 x 105/80	020368915000



RATiO Quick pilot bit



size D x L1 (mm)	article-no.
12 x 155	020368910230

RATiO flute body

working length: 80 mm



size D (mm)	article-no.
32 (for StarCutter D 35-42)	020368603200
47 (for StarCutter D 52)	020368604700
63 (for StarCutter D 65)	020368606300
78 (for StarCutter D 80-150)	020368607800

Packing unit: 1 pc / PP-tube

RATiO extension shank

(D 25 mm)



size length (L1/L2 mm)	article-no.
320/280	020368702500

RATiO CoreCutter drilling head

Highest performance and long service life thanks to special steel.

Drilling depth: 75 mm



size D (mm)	article-no.
50	020368705000
55	020368705500
60	020368706000
68	020368706800
80	020368708000

Packing unit: 1 pc / PP-tube

RATiO SDS Max adapter



length (mm)	article-no.
185	020368900000

RATiO SDS Plus adapter



length (mm)	article-no.
108	020369663631

Only use of drilling shanks smaller than 25 mm is recommended.

CHISELS

SDS Plus chisels

Manufactured from superior quality steel.
Special hardened cutting edge for long service life.
Suitable for concrete, brickwork and stone.



article	length (mm)	width (mm)	article-no.
flat chisel	250	20	020363100000
pointed chisel	250		020363000000
hollow gouge chisel	250	22	020363300000
wide scaling chisel	250	40	020363200000
wide scaling chisel, bended	250	40	020363210000
extra wide chisel	165	75	020363600000
extra wide chisel, bended	165	75	020363610000
channel chisel	250	22	020363400000
slotting chisel	250	27	020363510000
slotted chisel TCT	200	32	020363500000

Packing unit: 1 pc

SDS Plus chisel sets



article	article-no.
4 pcs chisel set - flat	020363100004
4 pcs chisel set - pointed	020363000004
4 pcs chisel set - 2 x flat 2 x pointed	020363000005
3 pcs chisel set - 1 x flat 1 x pointed 1 x wide scaling	020363000006

CHISELS

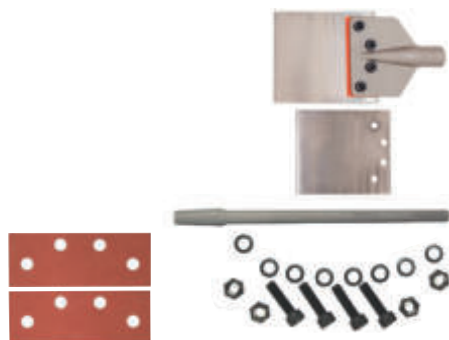
SDS Max chisels

Manufactured from superior quality steel. Special hardened cutting edge for long service life.

Suitable for concrete, brickwork and stone.



article	length (mm)	width (mm)	article-no.
flat chisel	280	24	020364600030
	400	24	020364600040
	600	24	020364600070
pointed chisel	280		020364600010
	400		020364600020
	600		020364600110
hollow gouge chisel	300	25	020364600100
wide scaling chisel	400	50	020364600050
wide chisel, bended	400	50	020364600060
extra wide chisel	300	75	020364600061
extra wide chisel, bended	300	75	020364600062
extrem wide chisel	350	115	020364600063
channel chisel	300	33	020364600140
slotting chisel	300	32	020364600090
slotted chisel TCT	280	35	020364600091
pointed chisel	550	135	020364600120
mortal chisel	300	27	020364600130
asphalt chisel	500	125	020364600150



floor scraper, complete	280	150	020364610020
blade	170	150	020364610030
shank	400	17	020364610010
repair kit	18 pcs		020364610040

Packing unit: 1 pc

SDS Max bushing tool



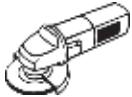
size (mm)	toothing tpi száma	article-no.
45 x 45 x 240	16	020364645453

TILE DRILL BITS

Tile and ceramic drill bit, M 14 GOLD PREMIUM

Premium quality ceramic drill bit with diamond coated, self-sharpening cutting edge.
Excellent drilling performance in even the hardest ceramic plates beautiful and clean drilling, perfect holes.
With M14 thread.

Suitable for tiles, ceramics, marbles.
Use at high speed.
Constant water cooling is recommended.



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size D (mm)	worklength (mm)	article-no.
6	45	020351806000
8	45	020351808000
10	45	020351810000
12	45	020351812000
14	45	020351814000
16	45	020351816000
20	45	020351820000
25	45	020351825000
30	45	020351830000
32	45	020351832000
35	45	020351835000
40	45	020351840000
45	45	020351845000
50	45	020351850000
60	45	020351860000
68	45	020351868000
75	45	020351875000
82	45	020351882000

Packing unit: 1 pc / X-Pack

M 14 HEX adapter

From M14 to HEX-shank.



length (mm)	article-no.
55	020351500005

Tile and ceramic drill bit, E 6,3 GOLD PREMIUM

Premium quality ceramic drill bit with diamond coated, self-sharpening cutting edge.
With E 6,3 thread.

Suitable for tiles, ceramics, marbles.
Use at high speed.
Constant water cooling is recommended.



size D (mm)	worklength (mm)	article-no.
5	35	020351800050
6	35	020351800060
8	35	020351800080
10	35	020351800100
12	35	020351800120

Packing unit: 1 pc / PP-tube

TILE DRILL BITS

Tile and ceramic drill bit, M 14

Diamond coated, self-sharpening cutting edge.

Suitable for tiles, ceramics, marbles.

Use at high speed.

Constant water cooling is recommended.



size D (mm)	worklength (mm)	article-no.
6	35	020351706000
8	35	020351708000
10	35	020351710000
12	35	020351712000
14	35	020351714000
16	45	020351716000
20	45	020351720000
25	45	020351725000
30	45	020351730000
32	45	020351732000
35	45	020351735000
40	45	020351740000
45	45	020351745000
50	45	020351750000
60	45	020351760000
68	45	020351768000
75	45	020351775000
83	45	020351783000

Packing unit: 1 pc / X-Pack

Sets



article	content D (mm)	article-no.
Tile and ceramic drill bits with M14 shank 5 pcs set	6 8 10 12 14	020351700001
Tile and ceramic drill bits with M14 shank 8 pcs set	20 25 32 35 40 50 60 68	020351700002

Tile and ceramic drill bit with hexagonal shaft

Diamond coated, self-sharpening cutting edge.

Suitable for tiles, ceramics, marbles. Use at high speed.

Constant water cooling is recommended.



size D (mm)	article-no.
5	020351505000
6	020351506000
8	020351508000
10	020351510000
12	020351512000
14	020351514000
16	020351516000
25	020351525000

Packing unit: 1 pc / X-Pack

5 pcs set



content D (mm)	article-no.
5 6 8 10 12	020351500005

TILE DRILL BITS

Diamond coated hole widener, M14

Specially designed for the widening of round or cone holes.
With M14 shank, for angle grinders.
Grit: K 50

Suitable for porcelain, ceramics, granite, marble, brick, concrete and stones of any kind.

For dry and wet use.



size D (mm)	working length (mm)	article-no.
5	50	020351505001
6	50	020351506001
8	50	020351508001
10	50	020351510001
12	50	020351512001

Packing unit: 1 pc / X-Pack

Diamond coated hole widener, cone, M14

Specially designed for the widening of round or cone holes.
With M14 shank, for angle grinders.
Grit: K 50

Suitable for porcelain, ceramics, granite, marble, brick, concrete and stones of any kind.

For dry and wet use.



size D (mm)	article-no.
5-35 60°	020351505351

Packing unit: 1 pc / X-Pack

POWERCUT drill bit Made in Japan

Superior quality drill bit with straight shank.

Suitable for porcelain, tile, ceramic tile, granite, quarry, slate, terracotta.
Use at low speed. Constant water cooling is recommended.



size D x L1/L2 (mm)	article-no.
4 x 85/50	020351600040
5 x 85/50	020351600050
6 x 100/65	020351600060
8 x 125/75	020351600080
10 x 150/90	020351600100

Packing unit: 1 pc / EV-Pack

Glass and tile drill bit

Drill bit with special carbide tip shape and straight shank.
Can be resharpened.

Suitable for glass, tiles, ceramic, mirror glass and porcelain. Use at low speed.
Constant water cooling is recommended.



size D x L1 (mm)	article-no.
3 x 65	020351303000
4 x 65	020351304000
5 x 65	020351305000
6 x 65	020351306000
8 x 80	020351308000
10 x 80	020351310000
12 x 80	020351312000

Packing unit: 1 pc / EV-Pack

Drill guide

With vacuum fixing for tile drills.



size D (mm)	article-no.
4 6 8 10 12	020351500001

WOOD DRILL BITS



WOOD DRILL BITS

Wood drill bit CV, short

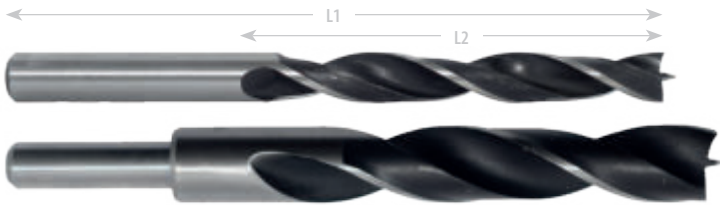
Manufactured from chrome-vanadium (CV) steel. Accurate and clean drilling thanks to ground center point and two shouldered cutting edges. With cylindrical shank, up to 11 mm with reduced shank.

Suitable for hard wood, soft wood, chipboard, veneered wood, beam.

size D x L1/L2 (mm)	article-no.
3,0 x 61/33	020380003000
4,0 x 75/43	020380004000
5,0 x 86/52	020380005000
6,0 x 93/57	020380006000
7,0 x 109/69	020380007000
8,0 x 117/75	020380008000
9,0 x 120/81	020380009000

size D x L1/L2 (mm)	article-no.
10,0 x 133/87	020380010000
11,0 x 142/89	020380011000
12,0 x 151/96	020380012000
13,0 x 151/96	020380013000
14,0 x 151/96	020380014000
15,0 x 160/100	020380015000
16,0 x 160/100	020380016000
18,0 x 180/120	020380018000
20,0 x 200/130	020380020000

Packing unit: 1 pc / EV-Pack



Wood drill bit CV, extra long

Manufactured from chrome-vanadium (CV) steel. Accurate and clean drilling thanks to ground center point and two shouldered cutting edges. With cylindrical shank.

Suitable for hard wood, soft wood, chipboard, veneered wood, beam.

size D x L1/L2 (mm)	article-no.
6,0 x 250/200	020380110600
8,0 x 250/200	020380110800
10,0 x 250/200	020380111000
12,0 x 250/200	020380111200

Packing unit: 1 pc / PP-tube



HSS long wood drill bit

Premium quality long wood drill from HSS steel. The long shaft improves the cutting speed, precision and quality when drilling hard and exotic wood too. Not suitable for hammer drilling.

from D 5 mm with hexagonal shank
from D 12 mm with reduced shank



size D x L1/L2 (mm)	article-no.
3,0 x 100/61	020381003000
4,0 x 119/75	020381004000
5,0 x 132/86	020381005000
6,0 x 139/93	020381006000
8,0 x 165/117	020381008000
10,0 x 184/133	020381010000
12,0 x 205/151	020381012000

Packing unit: 1 pc / EV-Pack



WOOD DRILL BITS

Auger drill bit, CV

Manufactured from chrome-vanadium (CV) steel. Selffeed screw point for extremely accurate drilling. Hardened cutter and major cutting edge ensures long service life. Fast advance thanks to the extra sharp cutting lip. **LEWIS-flute** for rapid chip re-moval. With hexagonal shank. **Suitable** for hard wood, soft wood, beam.

Available lengths (L1/L2):

230/155 mm

460/385 mm

600/530 mm

size D (mm)	L1/L2: 230/155 mm article-no.	L1/L2: 460/385 mm article-no.	L1/L2: 600/530 mm article-no.
3,0	020383303000		
4,0	020383304000		
5,0	020383305000		
6,0	020383306000	020383406000	
8,0	020383308000	020383408000	020383508000
10,0	020383310000	020383410000	020383510000
12,0	020383312000	020383412000	020383512000
14,0	020383314000	020383414000	020383514000
16,0	020383316000	020383416000	020383516000
18,0	020383318000	020383418000	020383518000
20,0	020383320000	020383420000	020383520000
22,0	020383322000	020383422000	020383522000
24,0	020383324000	020383424000	020383524000
26,0	020383326000	020383426000	020383526000
28,0	020383328000	020383428000	020383528000
30,0	020383330000	020383430000	020383530000
32,0	020383332000	020383432000	020383532000



Packing unit: 1 pc / PP-tube



Auger drill bit CV with SDS Plus shank

Manufactured from chrome-vanadium (CV) steel.

Selffeed screw point for extremely accurate drilling. Hardened cutter and major cutting edge ensures long service life. Fast advance thanks to the extra sharp cutting lip. **LEWIS-flute** for rapid chip removal.

Suitable for hard wood, soft wood, beam.

Available lengths (L1/L2):

230/155 mm

450/385 mm



size D (mm)	L1/L2: 230/155 mm article-no.	L1/L2: 450/385 mm article-no.
6,0	020383706000	
8,0	020383708000	
10,0	020383710000	020383810000
12,0	020383712000	020383812000
14,0	020383714000	020383814000
16,0	020383716000	020383816000
18,0	020383718000	020383818000
20,0	020383720000	020383820000
22,0	020383722000	

Not suitable for hammer drilling.

Packing unit: 1 pc / PP-tube



HSS form work drill bit

Drill bit according to DIN 7490. Tip angle 118°.

Good chip removal, long tool life.

Suitable for hard wood, soft wood, plasterboard, and boards made from lightweight materials.

Available lengths (L1):

400 mm

600 mm

size D x L1/L2 (mm)	size D x L1/L2 (mm)	size D x L1/L2 (mm)	article-no.
6,0 x 400/57	020384006000	6,0 x 600/57	020386006000
8,0 x 400/75	020384008000	8,0 x 600/75	020386008000
10,0 x 400/87	020384010000	10,0 x 600/87	020386010000
12,0 x 400/101	020384012000	12,0 x 600/101	020386012000
14,0 x 400/108	020384014000	14,0 x 600/108	020386014000
16,0 x 400/100	020384016000	16,0 x 600/100	020386016000
18,0 x 400/100	020384018000	18,0 x 600/100	020386018000
20,0 x 400/100	020384020000	20,0 x 600/100	020386020000
22,0 x 400/100	020384022000	22,0 x 600/100	020386022000

Packing unit: 1 pc / PP-tube

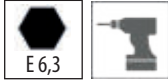


WOOD DRILL BITS

Flat wood bit E 6,3

Ground point and cutting edges. Shank: E 6,3 hexagon.

Suitable for hard wood, soft wood, chipboard, plasterboard.



size D (mm)	length: 155 mm article-no.	size D (mm)	length: 155 mm article-no.
8,0	020380608000	22,0	020380622000
10,0	020380610000	24,0	020380624000
12,0	020380612000	25,0	020380625000
13,0	020380613000	26,0	020380626000
14,0	020380614000	28,0	020380628000
16,0	020380616000	30,0	020380630000
18,0	020380618000	32,0	020380632000
19,0	020380619000	36,0	020380636000
20,0	020380620000	38,0	020380638000

Packing unit: 1 pc / EV-Pack

Extension shank for flat wood bit



length (mm)	article-no.
270	020380702700

HSS adjustable wood countersink 90°

Drilling and countersink in wood in one operation. Can also be used as a drilling depth stop. 5 cutting edges, angle 90°. With hexagon key.



size D (mm)	article-no.
3,0	020380100300
4,0	020380100400
5,0	020380100500
6,0	020380100600
8,0	020380100800
10,0	020380101000

Packing unit: 1 pc / PP-tube

HSS-TiN milling drill

Long life, TiN-coated tool with straight shank for milling any type of contour in different materials.

Suitable for sheet metal, wood and plastic.

size D x length (mm)	article-no.
6,0 x 90	020348706000

Packing unit: 1 pc / EV-Pack



Carbide planer blade for electrical portable planers



size (mm)	article-no.
82 x 5,5 x 1,1	020382000000

Packing unit: 10 pcs / X-Pack

Plug cutter DIN 7489

Precision ground inner and outer edges, for fill out knot-holes.

Suitable for hard wood, soft wood



size D D x L1 (mm)	külső size D (mm)	article-no.
10,0 x 140	21,0	020382910000
12,0 x 140	23,5	020382912000
15,0 x 140	26,5	020382915000
20,0 x 140	32,0	020382920000
25,0 x 140	36,0	020382925000
30,0 x 140	42,5	020382930000
35,0 x 140	46,0	020382935000
40,0 x 140	52,0	020382940000

Packing unit: 1 pc / PP-tube

WOOD DRILL BITS

Forstner drill bit

With centering tip and two cutting edges in accordance with DIN 7483. With cylindrical, reduced shank.
Suitable for soft and natural wood.



size D (mm)	total length (mm)	article-no.
10,0	90,0	020381510000
12,0	90,0	020381512000
14,0	90,0	020381514000
15,0	90,0	020381515000
16,0	90,0	020381516000
18,0	90,0	020381518000
20,0	90,0	020381520000
22,0	90,0	020381522000
24,0	90,0	020381524000

Packing unit: 1 pc / PP-tube

size D (mm)	total length (mm)	article-no.
25,0	90,0	020381525000
26,0	90,0	020381526000
28,0	90,0	020381528000
30,0	90,0	020381530000
32,0	90,0	020381532000
34,0	90,0	020381534000
35,0	90,0	020381535000
40,0	90,0	020381540000
45,0	90,0	020381545000
50,0	90,0	020381550000

TCT forstner drill bit

Professional quality carbide tipped drill bit in accordance with DIN 7483. With cylindrical, reduced shank.
Suitable for hard wood, soft wood, exotic woods, resin bonded and plastic coated laminate, veneered wood sheet chipboard.



size D (mm)	article-no.
15,0	020382715000
16,0	020382716000
18,0	020382718000
20,0	020382720000
22,0	020382722000
24,0	020382724000

Packing unit: 1 pc / PP-tube

size D (mm)	article-no.
25,0	020382725000
26,0	020382726000
30,0	020382730000
35,0	020382735000
40,0	020382740000
45,0	020382745000
50,0	020382750000

Forstner drill bit, black wave premium - fast, aggressive, sharp

High quality forstner drill bit in accordance with DIN 7483G, with a small center point, 2 peripheral cutting edges, 2 lifters and reduced cylindrical shank. For drilling splinter-free, true to size blind holes, for edge drillings and slant drillings in softwood and hardwood. Easy and effortless cutting due to ideal cutting geometries.



size D (mm)	article-no.
15,0	020381615000
20,0	020381620000
25,0	020381625000
30,0	020381630000
35,0	020381635000

Packing unit: 1 pc / PP-tube

size D (mm)	article-no.
40,0	020381640000
45,0	020381645000
50,0	020381650000
55,0	020381655000
60,0	020381660000



Made in Austria



Hinge-cutter TCT

Professional hinge-cutter with TCT teeth and center tip. Precise, accurate drilling into hardwood, softwood, plastic coated surfaces and plexiglass.

Recommended for stationary drilling machines.



size D x d x total length (mm)	article-no.
35,0 x 8,0 x 58,0	020389193500

Packing unit: 1 pc / PP-tube

WOOD DRILL BIT SETS

Sets

type	size D (mm)	article-no.
① 5 piece set of wood drills in plastic case	4,0 5,0 6,0 8,0 10,0	020318000540
② 8 piece set of short wood drills in plastic case	3,0 4,0 5,0 6,0 7,0 8,0 9,0 10,0	020318000580
③ MIX-SET 9 piece set of drills in plastic case	3 x HSS-R DIN 338 metal 5,0 6,0 8,0 wood 5,0 6,0 8,0 concrete 5,0 6,0 8,0	020317570930
④ 9 piece set of wood drill and countersink in plastic case	4 x wood CV 3,0 4,0 5,0 6,0 4x countersink 3,0 4,0 5,0 6,0 1 x hexagon key	020380100090
⑤ 8 piece set of flat wood drills in wooden case	10,0 12,0 14,0 16,0 18,0 20,0 22,0 25,0	020380600008
⑥ 8 piece set of auger bits in plastic case	4 5 6 8 10 12 14 16	020383300008
⑦ 13 piece set of wood drills with depth stop in plastic case	6 x wood CV 3 4 5 6 8 10 6 x depth stop 3 4 5 6 8 10 1 x hexagon key	020380010001
⑧ 5 piece set of Forstner drills in wooden case	15 20 25 30 35	020318150507
⑨ 5 piece set of TCT Forstner drills in wooden case	15 20 25 30 35	020318270507
⑩ 8 piece set of Forstner drills in plastic case	15 20 25 30 35 40 45 50	020318150508
⑪ 8 piece set of TCT Forstner drills in plastic case	15 20 25 30 35 40 45 50	020318270508
⑫ 8 piece set of black wave Forstner drills in plastic case	15 20 25 30 35 40 45 50	020381670508



①.



②.



③.



④.



⑤.



⑥.



⑦.



⑩-12.



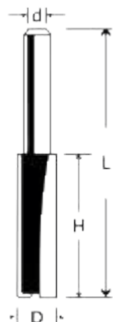
⑧-9.

ROUTER BITS

Professional quality TCT-router bits with d 8 mm shank.

Straight Bit, TCT

With two carbide tipped cutting edges, for ground cutting. **Suitable** for soft wood, hard wood and laminated materials.



size D (mm)	total length L (mm)	useful length H (mm)	article-no.
3,0	45,0	11,0	020398222003
4,0	45,0	11,0	020398222004
5,0	45,0	11,0	020398222005
6,0	48,0	16,0	020398222006
8,0	51,0	20,0	020398222008
10,0	51,0	20,0	020398222010
12,0	51,0	20,0	020398222012
14,0	51,0	20,0	020398222014
16,0	51,0	20,0	020398222016
18,0	51,0	20,0	020398222018
20,0	51,0	20,0	020398222020
22,0	51,0	20,0	020398222022
24,0	42,0	10,0	020398222024
25,0	42,0	10,0	020398222025

Plunge Cutting Straight Bit, TCT

With two carbide tipped cutting edges, for ground cutting. **Suitable** for soft wood, hard wood and



size D (mm)	total length L (mm)	useful length H (mm)	article-no.
3,0	37,0	6,0	020398212103
4,0	41,0	10,0	020398212104
5,0	43,0	12,0	020398212105
6,0	48,0	14,0	020398212106
8,0	51,0	20,0	020398212108
10,0	50,0	20,0	020398212110
12,0	50,0	20,0	020398212112

V-Groove Bit, TCT

With two angular placed edges for ground cutting. Teflon coated. **Suitable** for V-grooving and engraving in soft wood, hard wood and laminated materials.



size D (mm)	total length L (mm)	useful length H (mm)	A	article-no.
12,7	45,0	12,7	90 °	020398223011
16,0	48,0	12,7	90 °	020398223012
19,0	51,0	16,0	90 °	020398223013

Core Box Bit, TCT

With two angular placed edges, for ground cutting. **Suitable** for soft and hard woods.



size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
9,5	40,0	9,5	4,8	020398200062
12,7	40,0	12,7	6,3	020398200063

Core Box Bit, TCT

With two angular placed edges, for ground cutting. **Suitable** for soft and hard woods.



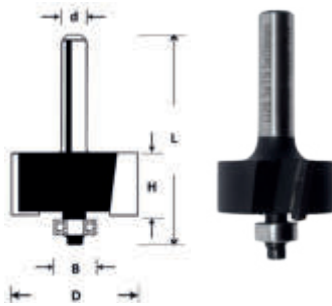
size D (mm)	total length L (mm)	useful length (mm)	R	article-no.
28,5	56,0	14,0	9,5	020398200064
35,0	59,0	16,0	12,7	020398200065

ROUTER BITS

T-Slotting Bit, TCT

With two straight edges for ground cutting.
With guide on. Application: making rabbet and groove joints.

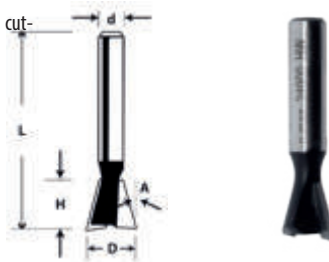
Suitable for soft and hard woods.



size D (mm)	total length L (mm)	useful length H (mm)	article-no.
28,5	54,0	12,7	020398235032

Dovetail Bit, TCT

With two angular places edges, for ground cutting. Suitable for soft and hard woods.

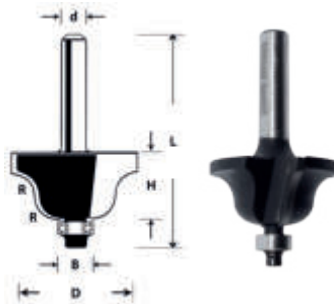


size D (mm)	total length L (mm)	useful length H (mm)	A	article-no.
12,7	45,0	12,0	14 °	020398170143

Roman Ogee Bit type A, TCT

With two angular places edges, for ground cutting. With ball bearing guide.

Suitable for soft and hard wood, laminated materials.

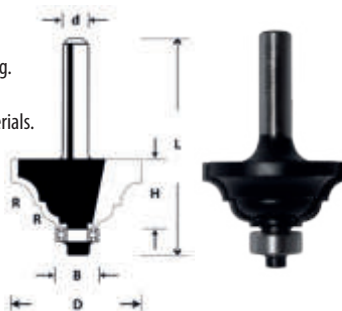


size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
35,0	60,0	17,4	6,3	020398231006

Roman Ogee Bit type B, TCT

With two angular places edges, for ground cutting. With ball bearing guide.

Suitable for soft and hard wood, laminated materials.

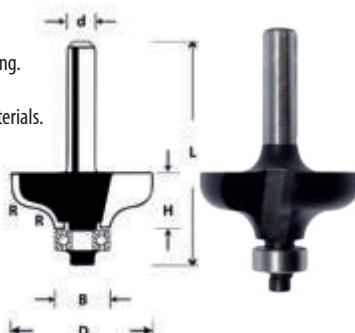


size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
35,0	57,0	15,9	6,3	020398232006

Roman Ogee Bit type C, TCT

With two angular places edges, for ground cutting. With ball bearing guide.

Suitable for soft and hard wood, laminated materials.



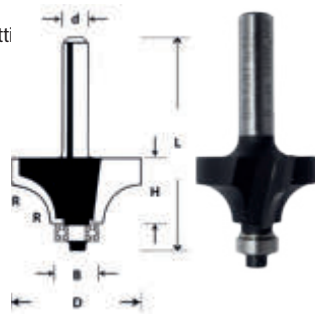
size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
31,8	54,0	12,7	4,8	020398231318
38,0	57,0	15,9	6,3	020398231380

ROUTER BITS

Beading Bit, TCT

With two angular placed edges, for ground cutting.
With ball bearing guide.

Suitable for soft and hard woods.



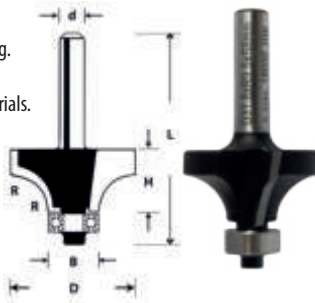
size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
25,4	55,0	13,5	6,3	020398190063
28,6	56,0	15,9	7,9	020398190095
31,8	58,7	16,7	9,5	020398190096
38,1	62,0	19,0	12,7	020398190097

Round Over Bit, TCT

With two angular placed edges, for ground cutting.

Application: producing dovetail joints.

Suitable for soft and hard wood, laminated materials.

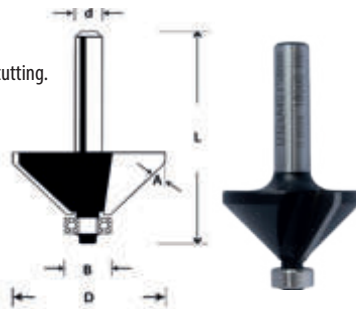


size D (mm)	total length L (mm)	useful length H (mm)	R	article-no.
17,5	50,0	22,0	2,3	020398180017
25,4	44,0	13,0	6,3	020398180063
28,6	55,0	15,9	7,9	020398180095
31,8	56,0	16,7	9,5	020398180031
38,1	62,0	19,0	12,70	020398180038

Bevel Trim Bit, TCT

With two angular placed edges, for ground cutting.

Suitable for hard wood and polywood.

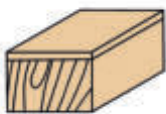


size D (mm)	total length L (mm)	useful length H (mm)	A	article-no.
32,0	56,0	15,0	45°	020398230031

Flush Trim Bit, TCT

With two angular placed edges, for ground cutting.

Suitable for hard wood and polywood.



size D (mm)	total length L (mm)	useful length H (mm)	article-no.
12,7	57,0	25,4	020398230012

TCT Router bit set

content	article-no.
Set of 10 pieces Straight bit, TCT D 3,0 4,0 5,0 6,0 8,0 10,0 12,0 14,0 16,0 20,0 mm	020397315000



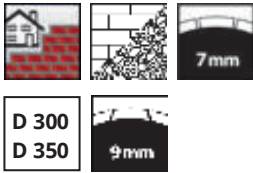
DIAMOND DISCS



DIAMOND CUTTING DISCS

ABRABORO® universal cutting blade N°16

- for universal use, for cutting brick, concrete and other construction site materials
- sintered, segmented
- dry cutting
- segment height: 7 and 9 mm



size D (mm)	article-no.
115 x 22,23	050711500016
125 x 22,23	050712500016
150 x 22,23	050715000016
180 x 22,23	050718000016
230 x 22,23	050723000016
300 x 25,4	050730000016
350 x 25,4	050735000016

Packing unit: 1 pc

Packing unit	size D (mm)	inox article-no.
6 pcs plastic box with hanger	115 x 22,23	050711500616
6 pcs plastic box with hanger	125 x 22,23	050712500616

ABRABORO® turbo cutting blade N°17

- for cutting tiles, floor tiles and construction site materials
- continous turbo RIM
- dry cutting



size D (mm)	article-no.
115 x 22,23	050711500017
125 x 22,23	050712500017
230 x 22,23	050723000017

Packing unit: 1 pc

ABRABORO® tile cutter N°13

- for dry/wet cutting of tiles
- continous RIM
- segment height: 7 mm



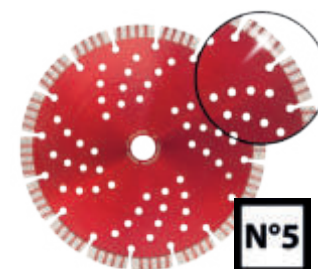
size D (mm)	article-no.
115 x 22,23	050711500013
125 x 22,23	050712500013

Packing unit: 1 pc

Packing unit	size D (mm)	inox article-no.
6 pcs plastic box with hanger	115 x 22,23	050711500613
6 pcs plastic box with hanger	125 x 22,23	050712500613

ABRABORO® general purpose cutting blade N°5

- very special segmented turbo cutting edge
- with cooling holes
- for universal use, good cutting performance in brick, concrete, aggregate concrete and other construction site materials
- dry cutting
- segment height: 12 mm



size D (mm)	article-no.
115 x 22,23	050711500005
125 x 22,23	050712500005
150 x 22,23	050715000005
230 x 22,23	050723000005
300 x 25,40	050730000005
350 x 25,40	050735000005

Packing unit: 1 pc

DIAMOND CUTTING DISCS

ABRABORO® universal cutting blade N°20

- premium quality
- laser welded universal cutting blade suitable for all construction cutting work
- special segment toothing ensures a quick, clean and easy cutting experience
- with cooling holes
- wet/ dry cutting
- segment height: 15 mm

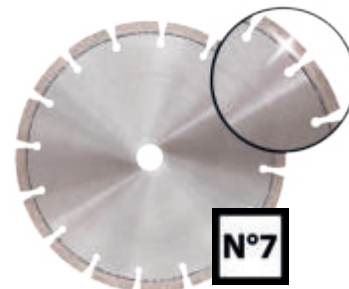


size D (mm)	article-no.
115 x 22,23	050711500005
125 x 22,23	050712500005
150 x 22,23	050715000005
230 x 22,23	050723000005
300 x 25,40	050730000005
350 x 25,40	050735000005

Packing unit: 1 pc

ABRABORO® general purpose cutting blade N°7

- for universal use e.g. brick, clinker, plaster and other construction site material
- laser welded block segments
- dry cutting
- also for use in wall chaser
- segment height: 10 mm

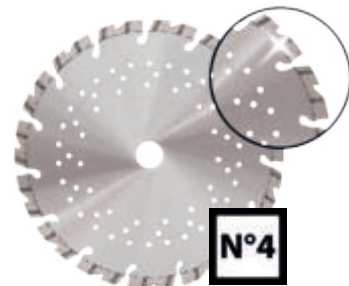


size D (mm)	article-no.
115 x 22,23	050711500007
125 x 22,23	050712500007
150 x 22,23	050715000007
230 x 22,23	050723000007
300 x 25,40	050730000007
350 x 25,40	050335000007
400 x 25,40	050740000007

Packing unit: 1 pc

ABRABORO® premium quality cutting blade N°4

- unique segment-geometry for fast cutting
- with cooling holes
- very good cutting performance in concrete, cured concrete, reinforced concrete, concrete roof tiles, eternit, natural stone, marble, granite, limestone, sandstone, paver, reinforced wire mesh, steel < 3,5 mm
- laser welded
- dry cutting
- segment height: 10 mm



size D (mm)	article-no.
115 x 22,23	050711500004
125 x 22,23	050712500004
150 x 22,23	050715000004
230 x 22,23	050723000004
300 x 25,40	050730000004
400 x 25,40	050740000004

Packing unit: 1 pc

ABRABORO® ceramic cutter N°15

- ultra thin turbo RIM blade with special cutting-edge geometry
- reinforced flange for strong mounting on machine
- extremely fast and clean cutting in porcelain gres, hard ceramic, tiles, granite, cotto plates, terrazzo and stoneware
- for dry/wet cutting
- segment height: 10 mm

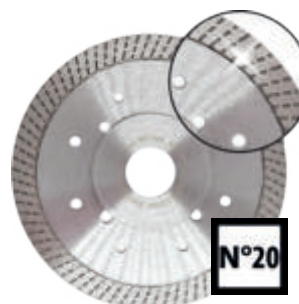


size D (mm)	article-no.
115 x 22,23	050711501015
125 x 22,23	050712501015
180 x 25,4/22,23	050718000015
200 x 25,4/22,23	050720000015
230 x 25,4/22,23	050723000015
250 x 25,4/22,23	050725000015

Packing unit: 1 pc

ABRABORO® ceramic cutter N°20

- premium quality
- ultra thin turbo RIM blade with special cutting-edge geometry
- reinforced flange for strong mounting on machine
- extremely fast and clean cutting in porcelain gres, hard ceramic, tiles, granite, cotto plates, terrazzo and stoneware
- for dry/wet cutting
- segment height: 11 mm



size D (mm)	article-no.
115 x 22,23	050711500015
125 x 22,23	050712500015

Packing unit: 1 pc

DIAMOND CUTTING DISCS

ABRABORO® MULTI diamond cutting disc N°18

- multi purpose diamond cutting disc
- "rescue" type (230 mm) for all materials
- long lifetime



size D (mm)	article-no.
125 x 1,5 x 22,23	050712500018
230 x 1,9 x 22,23	050723000018

Packing unit: 1 pc

ABRABORO® diamond cutting disc N°14

For metal + inox

- extreme lifetime, Up to 50 x more compared to resin bonded discs
- less odor and dust residue
- visible sparks originate only from material being cut
- extrem high cutting speed

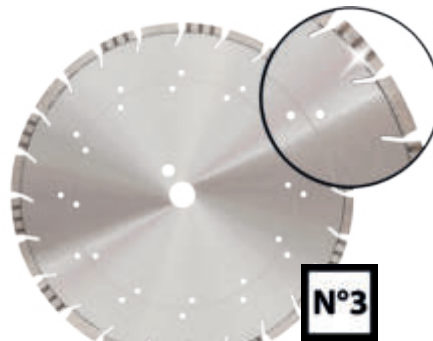


size D (mm)	article-no.
125 x 1,2 x 22,23	050712500014

Packing unit: 1 pc

ABRABORO® multi-functional cutting blade N°3

- mixed segment typology (combination of 3 different segment types)
- with cooling holes
- for cutting in concrete, asphalt and granite
- wet/dry cutting
- segment height: 10 mm

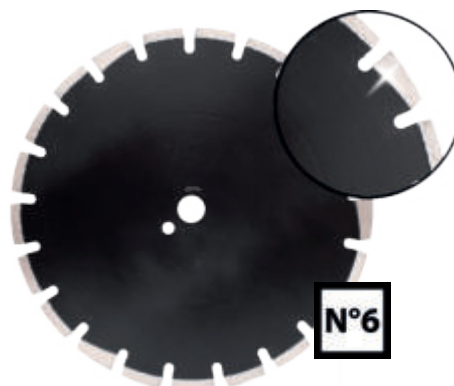


size D (mm)	article-no.
230 x 22,23	050723000003
300 x 25,40	050730000003
350 x 25,40	050735000003
400 x 25,40	050740000003

Packing unit: 1 pc

ABRABORO® asphalt cutting blade N°6

- no undercutting by strong wedge protection
- best cutting performance in asphalt, green concrete (< 24h) and abrasive materials
- laser welded
- wet/dry cutting
- segment height: 10 mm

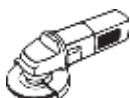


size D (mm)	article-no.
300 x 25,40	050730000006
350 x 25,40	050735000006
400 x 25,40	050740000006
450 x 25,40	050745000006

Packing unit: 1 pc

QUICK-lock nut for angle grinder M14

Adjustable by key and hand, suitable for use on all angle grinders.



size	article-no.
M 14	020369500000

Packing unit: 1 pc

DIAMOND GRINDING DISCS

ABRABORO® universal grinding cup N°1

- extra large, self-sharpened Y-shaped segments
- smooth surface grinding
- concrete, aggregate concrete, flint concrete, natural stone, granite



size D (mm)	article-no.
115 x 22,23	050711514001
125 x 22,23	050712514001

Packing unit: 1 pc

ABRABORO® diamond grinding cup N°2

- double row of diamond segments
- for grinding on concrete and natural stone surfaces



size D (mm)	article-no.
115 x 22,23	050711522002
125 x 22,23	050712522002
180 x 22,23	050718022002

Packing unit: 1 pc

ABRABORO® diamond grinding cup N°10

- turbo diamond segments
- quick, aggressive grinding
- for concrete and general construction use
- wet/ dry cutting
- to increase tool life, cool with water
- great price/ value ratio



size D (mm)	article-no.
115 x 22,23	050711522003
125 x 22,23	050712522003
180 x 22,23	050718022003

Packing unit: 1 pc

ABRABORO® diamond grinding cup N°9

- diamond segments in turbine shape
- quick, aggressive grinding
- for concrete and general constructive use
- wet/ dry cutting
- to increase tool life, cool with water



size D (mm)	article-no.
125 x 22,23	050712522006

Packing unit: 1 pc

ABRABORO® Diamond cup grinder with PCD segments N°8

- powerful specialized cup wheel suited for grinding and removal of elastic protective coatings, adhesives, sealants, PU/polyurethane, epoxy, elastic adhesive



size D (mm)	article-no.
125 x 22,23	050712522008

Packing unit: 1 pc

CUTTING DISCS



CUTTING DISCS

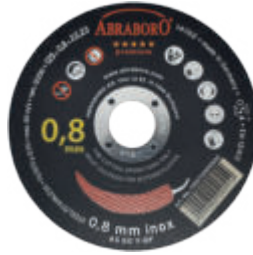
ABRABORO® chili metal + inox cutting discs

GOLD edition

Extremely fine, fast and smooth cutting. Low contact pressure, burr cut, sparking.

Suitable for thin sheets, steel ropes, thin-walled profiles and pipes made of stainless steel and non-ferrous metals, composite materials.

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size D (mm)	article-no.
125 x 0,8 x 22	050712500800

Packing unit: 25 pcs / pack

ABRABORO® chili metal + inox ZIRCON cutting discs

Premium quality cutting disc for cutting steel and stainless steel. Extreme high cutting speed and perfect lifetime performance.



size D (mm)	article-no.
125 x 1,0 x 22	050712501007

Packing unit: 25 pcs / pack

ABRABORO® chili metal + inox inox premium cutting disc

High quality thin cutting disc, precision cutting accurate to the millimeter. Outstanding cutting speed and tool life. For cutting thin sheet metal, steel ropes, thin-walled profiles and tubes made of stainless steel, non-ferrous metals and composite materials.



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size D (mm)	article-no.
115 x 1,0 x 22	050711501003
125 x 1,0 x 22	050712501003
125 x 1,6 x 22	050712501004
230 x 1,9 x 22	050723001001

Packing unit: 25 pcs / pack

Packing unit	size D (mm)	article-no.
12 pcs plastic box with hanger	115 x 1,0 x 22	050711501013
12 pcs plastic box with hanger	125 x 1,0 x 22	050712501013

ABRABORO® chili metal + inox cutting discs

Premium quality cutting disc for cutting steel and stainless steel. Extreme high cutting speed and perfect lifetime performance.

* D 230 mm straight shape

Packing unit : 10 pcs / pack



size D (mm)	article-no.
115 x 1,0 x 22	050711501001
115 x 1,6 x 22	050711501002
115 x 2,5 x 22	050711534101
125 x 1,0 x 22	050712501001
125 x 1,6 x 22	050712501002
125 x 2,5 x 22	050712534101
150 x 1,6 x 22	050715001002
180 x 1,6 x 22	050718001002
230 x 1,9 x 22*	050723001006
230 x 2,5 x 22*	050723001004

Packing unit: 25 pcs / pack



Packing unit	size D (mm)	article-no.
12 pcs plastic box with hanger	115 x 1,0 x 22	050711501012
12 pcs plastic box with hanger	125 x 1,0 x 22	050712501012

CUTTING DISCS

ABRABORO® chili metal + inox cutting discs **BLUE EDITION**

High quality cutting disc, for cutting metal, stainless steel, castings, steel-tubes and steel-profiles.

Our special PROTECT PACK keeps cutting discs fresh until the pack is opened for the first time. 30% more lifetime.



size D (mm)	article-no.
115 x 1,0 x 22	050711501011
125 x 1,0 x 22	050712501011

Packing unit: 10 pcs / PROTECT PACK



ABRABORO® chili cutting discs for metal

High quality cutting disc, for cutting metal, constructions steel, castings, steel-tubes and steel-profiles.



size D (mm)	article-no.
115 x 2,0 x 22	050711524101
115 x 2,5 x 22	050711534200
125 x 2,0 x 22	050712524101
125 x 2,5 x 22	050712534200
150 x 2,0 x 22	050715024100
180 x 2,0 x 22	050718024101
230 x 2,0 x 22	050723001002
230 x 2,5 x 22	050723001003
300 x 3,5 x 25,4	050730034105
300 x 3,5 x 32	050730034100
350 x 3,0 x 25,4**	050735034109
350 x 3,5 x 25,4*	050735034100
400 x 4,0 x 40	050740044100

ABRABORO® chili alu premium cutting discs

High quality thin cutting disc for cutting aluminium and non-ferrous metals like copper, brass, bronze. Fast cutting without clogging.



size D (mm)	article-no.
115 x 1,0 x 22	050711501005
125 x 1,0 x 22	050712501005

Packing unit: 25 pcs / pack

CUTTING DISCS

ABRABORO® chili stone premium cutting discs

Thin cutting disc for stone, brick and concrete.



size D (mm)	article-no.
115 x 1,0 x 22	050711501006
125 x 1,0 x 22	050712501006

Packing unit: 25 pcs / pack

ABRABORO® chili stone cutting discs

Stone cutting disc for cutting brick, stone and concrete.

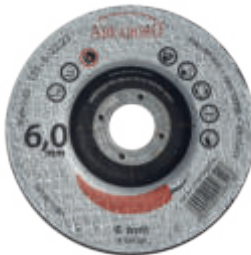


size D (mm)	article-no.
230 x 2,5 x 22	050723034105

Packing unit: 10 pcs / pack

ABRABORO® chili grinding discs

Grinding disc for steel.



size D (mm)	article-no.
115 x 6,0 x 22	050711562700
125 x 6,0 x 22	050712562700
150 x 6,0 x 22	050715062700
180 x 6,0 x 22	050718062700
230 x 6,0 x 22	050723062700

Packing unit: 5 pcs / pack

ABRABORO® chili inox grinding discs

Premium quality grinding disc for grinding stainless steel.



size D (mm)	article-no.
115 x 6,0 x 22	050711562702
125 x 6,0 x 22	050712562702
230 x 6,0 x 22	050723062702

Packing unit: 5 pcs / pack

ABRABORO® semi-flex discs

Additive coated disc with silicon carbide grit (SiC).
Suitable for stone, mild steel and stainless steel, aluminium and plastic.



size D x d (mm) grit	115 x 22 article-no.	125 x 22 article-no.	180 x 22 article-no.
16	050711522116	050712522116	050718022116
24	050711522124	050712522124	050718022124
36	050711522136	050712522136	050718022136
60	050711522160	050712522160	050718022160
80	050711522180	050712522180	050718022180

Packing unit: 5 pcs / pack

GRINDING DISCS

ABRABORO® grinding cups for stone with SiC grit

Suitable for concrete and stone grinding.



size D x d (mm)	grit SiC	article-no.
110/90 x 55 x M14	16	050711055016
	24	050711055024
	36	050711055036
	60	050711055060

Packing unit: 1 pc

ABRABORO® grinding cups for metal with A/O grit

Suitable for metal and steel grinding.



size D x d (mm)	grit A/O	article-no.
110/90 x 55 x M14	24	050711055240
	36	050711055360
	60	050711055600

Packing unit: 1 pc

ABRABORO® vitrified bonded grinding wheels

For use on bench grinders.

Color

Grey: aluminium-oxid (A 24 coarse and A 60 medium) for metal

Green: silicium-carbide (C 80 fine) for hard metal

type D x width x d (mm) size	1 A24 04V article-no.	1 A60 M7V article-no.	2 C80 L7V article-no.
125 x 20 x 20	050712520024	050712520060	050712520080
150 x 20 x 20	050715020024	050715020060	050715020080
175 x 20 x 20	050717520024	050717520060	050717520080
200 x 20 x 20	050720020024	050720020060	050720020080

Packing unit: 1 pc



BRUSHES



WIRE BRUSHES

SUP: Steel wire, straight (twisted knot construction)

STD: Steel wire, natural hard, crimped

OSG: Steel wire, hardened, straight

INOX: Stainless steel wire, acid resistant, crimped or straight

MES: Brass wire (Cu-Zn), crimped

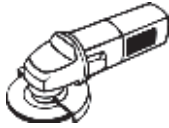
LIT: Brass planted steel wire

AA: Abrasive filaments, crimped

AZD: Steel wire, hardened, high tensile strength and tough, straight (knotted)

Cup brushes with twisted knots

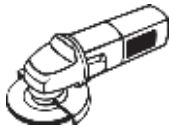
For heavy-duty use as removal of paint, scale, corrosion of all kinds and cleaning of weld seams and spot-welds.



type	article-no.
Cup brush TZ 61 D 65 mm, M 14, 0.50 SUP	900599040010
Cup brush TZ 61 D 65 mm, M 14, 0.35 SUP	900599040009
Cup brush TZ 61 D 65 mm, M 14, 0.50 INOX	900599040012
Cup brush TZ 71 D 65 mm, M 14, 0.50 SUP	900592031310
Cup brush TZ 81 D 80 mm, M 14, 0.50 SUP	900592031313
Cup brush TZ 101 D 100 mm, M 14, 0.50 SUP	900592031317
Cup brush TZ 121 D 120 mm, M 14, 0.50 SUP	900592031321
Bevel brush FZ 100F D 100 mm, M 14, 0.50 SUP	900599049500

Cup brushes with crimped wire

For removal of rust, corrosion, paint and generally to produce clean surfaces.

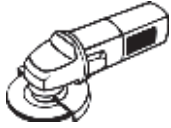


type	article-no.
Cup brush D 60 mm, M 14, 0.30 STD	900590402253
Cup brush D 60 mm, M 14, 0.30 MES	900590409051
Cup brush D 60 mm, M 14, 0.30 INOX	900590409052
Cup brush D 75 mm, M 14, 0.30 STD	900599010516
Cup brush D 80 mm, M 14, 0.30 STD	900594040513
Cup brush D 100 mm, M 14, 0.30 STD	900599010711
Bevel brush D 100 mm, M 14, 0.30 STD	900599019501

WIRE BRUSHES

Circular brushes with twisted knots

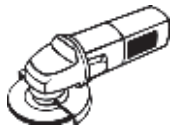
For removal excess rubber from rubber to metal bonded part. Removing residues of adhesive, hard scale rust and paint.



type	article-no.
ULTRA single-section brush SZ 2121 D 115 mm, M 14, 0.50 SUP	900590416412
ULTRA single-section brush SZ 2121 D 115 mm, d 22, 0.50 SUP	900590440054
ULTRA single-section brush SZ 2121 D 115 mm, d 22, 0.50 INOX	900590416413
ULTRA single-section brush SZ 3121 D 125 mm, d 22, 0.50 SUP	900590416421
ULTRA single-section brush SZ 3121 D 125 mm, d 22, 0.50 INOX	900590416422
ULTRA single-section brush SZ 4181 D 180 mm, d 22, 0.50 SUP	900590416481
Plus-ULTRA single-section brush Pipeline D 125 mm, d 22, 0.50 AZD, extra thin, 5,0 mm	900599023074
Plus-ULTRA single-section brush Pipeline D 150 mm, d 22, 0.50 AZD, extra thin, 5,0 mm	900599023095
Plus-ULTRA single-section brush Pipeline D 180 mm, d 22, 0.50 AZD, extra thin, 5,0 mm	900599024113

Circular brushes with crimped wire

For applications as rust and paint removal, deburring, descaling, matt finishing and polishing.



type	article-no.
Single-section brush B 3111 D 115 mm, M 14, 0.30 STD	900599003423
Single-section brush B 3121 D 125 mm, M 14, 0.30 STD	900599003424
Single-section brush B 8181 D 180 mm, d 22, 0.30 STD	900598715533

WIRE BRUSHES

Shaft-mounted brushes

For preparation of all kind of surfaces, especially at hard to reach areas. For smoothing, trimming of casting joints and rubber to metal bonded parts, light deburring work and removal of corrosion and paint.



type	article-no.
Circular brush D 40 mm, d 6 mm, 0.20 STD, 2 rows, width: 12,0 mm	900595820340
Circular brush D 40 mm, d 6 mm, 0.20 INOX, 2 rows, width: 12,0 mm	900595824340
Circular brush D 50 mm, d 6 mm, 0.30 STD, width: 8,0 mm	900599428204
Circular brush - thick D 50 mm, d 6 mm, 0.30 STD, 2 rows, width: 12,0 mm	900599428205
Circular brush - wide D 50 mm, d 6 mm, 0.30 INOX, 2 rows, width: 12,0 mm	900599428207
Circular brush D 60 mm, d 6 mm, 0.30 STD, 2 rows, width: 12,0 mm	900595820560
Circular brush D 60 mm, d 6 mm, 0.30 INOX, 2 rows, width: 12,0 mm	900595824560
Circular brush D 75 mm, d 6 mm, 0.30 STD, width: 10,0 mm	900599420113
Circular brush - wide D 75 mm, d 6 mm, 0.30 STD, 2 rows, width: 15,0 mm	900599420114
Circular brush - wide D 75 mm, d 6 mm, 0.30 INOX, 2 rows, width: 15,0 mm	900599420116
Circular brush D 75 mm, d 6 mm, 0.30 MES, width: 10,0 mm	900590404301
Circular brush D 100 mm, d 6 mm, 0.30 STD, width: 10,0 mm	900599420112
Circular brush D 100 mm, d 6 mm, 0.30 INOX, width: 12,0 mm	900599420110
Cup brush D 50 mm, d 6 mm, 0.20 STD	900599428219
Cup brush D 50 mm, d 6 mm, 0.20 MES	900599428220
Cup brush D 75 mm, d 6 mm, 0.30 STD	900599420027

Shaft-mounted brushes with abrasive filaments

For surface structuring, deburring, paint removal.



type	article-no.
Anderlon - Circular brush D 100 mm, d 6 mm, AA/K100, width: 8,0 mm	900590409055
Anderlon - Cup brush C65 D 65 mm, d 6 mm, AA/K100	900590409057

HAND BRUSHES

Scratch brushes

For cleaning, rust removal and paint removal.

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type	article-no.
Scratch brush, 3 rows with wooden handle 290/140 mm, 0.30 OSG	900540930035
Scratch brush, 4 rows with wooden handle 290/140 mm, 0.30 OSG	900540930036
Scratch brush, 5 rows with wooden handle 290/140 mm, 0.30 OSG	900540930037
Scratch brush, 3 rows with wooden handle 290/140 mm, 0.30 INOX	900540930041
Scratch brush, 4 rows with wooden handle 290/140 mm, 0.30 INOX	900540930040
Scratch brush, 5 rows with wooden handle 290/140 mm, 0.30 INOX	900540930039
Scratch brush, 4 rows with wooden handle 290/140 mm, 0.30 LIT	900540930030
Spark plug brush with wooden handle 145 mm, 0.20 MES	900540381000
File cleaner brush with wooden handle 250/100 mm, steel wire	900540380001

Scratch brushes with plastic handle

For cleaning, rust and paint removal.



type	article-no.
Scratch brush with red plastic handle 290/140 mm, 0.30 STD	900541996457
Scratch brush with green plastic handle 290/140 mm, 0.30 INOX	900541996492
Scratch brush with grey plastic handle 290/140 mm, 0.30 MES	900541996494
Scratch brush with red plastic handle 380/140 mm, 0.30 STD	900541996485

BRUSHES

Shaft-mounted brushes with twisted knot

Ideal for use in power drills, for surface preparation of hard to-reach areas. For smoothing, trimming, light-deburring work and the removal of corrosion and paint.



type	article-no.
Circular brush D 70 mm, d 6 mm, 0.50 SUP	900599021004

End brushes

With twisted wire. The perfect brush for hard-to-reach areas such as corners, drilled holes and recesses of all kinds.



type	article-no.
D 24 mm, d 6 mm, 0.30 STD	900593220500

Tube brushes

Interior brushes with steel wire to be used for cleaning, deburring, derusting of holes, tubes.

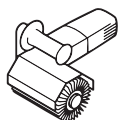


size D x L1/L2 (mm)	steel d (mm)	article-no.
D 15 x 170/55	0.15	900550000015
D 16 x 170/55	0.15	900550000016
D 18 x 170/55	0.15	900550000018
D 20 x 170/55	0.20	900550000020
D 22 x 170/55	0.20	900550000022
D 25 x 170/55	0.20	900550000025
D 28 x 170/55	0.20	900550000028
D 30 x 170/55	0.20	900550000030
D 32 x 170/55	0.20	900550000032
D 35 x 170/55	0.20	900550000035
D 38 x 170/55	0.20	900550000038
D 40 x 170/55	0.20	900550000040

Brass-plated steel wire wheel

Suitable for rusting wood, removing paint, eliminating rust, removing burrs.

For use on burnishing machines.



D x width x hole (mm)	wire	article-no.
100 x 100 x 19,1	0.27 LIT	900590405454

Packing unit: 1 pc

PAINING TOOLS



PAINT BRUSHES

Application:



mix bristle
blend of natural pig and synthetic bristle



synthetic bristle
fully synthetic bristle



oil paints



wall



lacquer



wood



smooth surface



rough surface

Professional flat brush, red

Professional brush line with red plastic handle.
Good paint pick-up and paint-holding capacity.
Suitable for enamel and all types of oil-based and dispersion paints



width (mm)	thickness (mm)	bristle length (mm)	article-no.
20	15	46	901004600020
30	15	46	901004600030
40	15	46	901004600040
50	15	46	901004600050
60	15	52	901005200060
70	15	52	901005200070



Premium flat brush, red

Premium brush line with wooden handle and red marking.
Excellent paint pick-up and paint-holding capacity.
Suitable for enamel and all types of oil-based and dispersion paints



width (mm)	thickness (mm)	bristle length (mm)	article-no.
20	15	46	901104600020
30	15	46	901104600030
40	15	52	901105200040
50	15	58	901105800050
60	15	58	900105800060
70	15	63	900106300070



Radiator brush

Professional brush line with unpainted beech wood handle.
Excellent paint pick-up and paint holding capacity.
Suitable for all types of oil-based and dispersion paints, enamels and varnishes



width (mm)	thickness (mm)	bristle length (mm)	article-no.
20	9	47	901104700020
30	9	47	901104500030
50	9	47	901104700050



PAINT BRUSHES

Professional flat brush, blue

Professional brush line with blue plastic handle.

Good paint pick-up and paint holding capacity.

Suitable for all types of water-based paints and acrylic varnishes



width (mm)	thickness (mm)	bristle length (mm)	article-no.
20	15	52	901005200020
30	15	52	901005200030
40	15	52	901005200040
50	15	52	901005200050
60	15	52	901015200060
70	15	58	901005800070

Premium flat brush, blue

Premium brush line with blue plastic handle.

Excellent paint pick-up and paint holding capacity.

Suitable for all types of water-based paints and acrylic varnishes



width (mm)	thickness (mm)	bristle length (mm)	article-no.
20	15	51	901105100020
30	15	51	901105100030
40	15	51	901105100040
50	15	51	901105100050
60	15	51	901105100060
70	15	51	901105100070

Universal flat brush, blue

Premium brush line with wooden handle, blue marking and special corrugated synthetic bristles.

Excellent paint pick-up and paint holding capacity.

Suitable for water-based paints, dispersion paints and varnishes, as well as oil-based paints and enamel



width (mm)	thickness (mm)	bristle length (mm)	article-no.
30	15	49	901105200030
40	15	49	901115200040
50	15	56	901115800050
60	15	62	901105800060
70	15	66	901106400070
100	15	66	901106400100

Rectangular emulsion brush

Professional brush with an unpainted wooden handle. Excellent paint pick-up and paint holding capacity.

Suitable for water and solvent-based paints, enamel and varnishes



width (mm)	thickness (mm)	bristle length (mm)	article-no.
120	30	55	901105500312

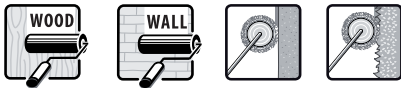
PAINT ROLLERS

Paint roller GOLD

Our basic rollers made of fine polyamide yarn with very good paint pick-up and paint release. The material is almost lint free but very easy to clean, it doesn't splash. Very durable and long-lasting. The roller is solvent resistant and gives an absolutely smooth surface structure.

Application: interior and exterior use, smooth and rough surfaces

Suitable for alkyd paints, primers, enamels, polyurethane paints and varnishes, waterborne paints and various types of resins and bitumen.



roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
60	17	13	6	20	71000000301
100	17	13	6	10	71000000302
180	52	13	8	1	71000000303
250	52	13	8	1	71000000304

Paint roller MICRO

High quality rollers made of Microfiber yarn with extremely high paint pick-up and consistent paint release. The material is almost lint free, splashes rarely and ensures an even surface structure.

Application: interior and exterior use, smooth surfaces

Suitable for alkyd and polyurethane paints, primers, varnishes and water dispersion paints.



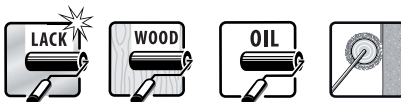
roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
100	17	12	6	10	71000000101
180	52	12	8	1	71000000102
250	52	12	8	1	71000000103

Paint roller EPOXY

High quality rollers made of polyamide/nylon blended material, almost lint free and provide an even surface structure. Fully solvent resistant.

Application: interior and exterior use, smooth surfaces

Suitable for aggressive systems, impregnators and industrial coatings. It gives particularly good results when used with one and two-component epoxy and polyurethane paints.



roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
60	17	12	6	20	71000000401
100	17	12	6	10	71000000402
180	52	12	8	1	71000000403
250	52	12	8	1	71000000404

Paint roller BLACK MAGIC

Premium roller cover with coarse polyamide structure for plastering compound and filler. Easily washable.

Application: Plastering, smooth and rough surfaces

Suitable for applying putty and plaster on walls or ceilings, for sealing joints between plasterboard sheets and for covering micro-perforated, self-adhesive or drywall tapes.



roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
180	52	16	8	1	71000000603

PAINT ROLLERS

Paint roller JUMBO

High quality rollers made of solvent resistant polyacrylic yarn. The material is easy to clean, doesn't splash and is very durable. It's enormous paint pick-up enable painters to work more square meters with one roller. Padded for extra support on rough surfaces.

Application: Facade work, exterior use, rough surfaces

Suitable for water dispersion paints, alkyd paints, primers, enamels, polyurethane paints and varnishes and various types of resins and bitumen.



roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
250	60	18	8	1	710000000201

Paint roller VELOUR

Professional quality made of Velour woven. The material is fully solvent resistant, lint free and provides a smooth finishing structure.

Application: interior and exterior use, smooth surfaces

Suitable for alkyd paints and varnishes, polyurethane one-component and two-component paints and varnishes, epoxy paints, resins and others.



roller length (mm)	core D (mm)	nap length (mm)	hole D (mm)	pack. unit(pcs)	article-no.
100	17	4	6	20	710000000501
180	52	4	8	1	710000000502
250	52	4	8	1	710000000503

Paint roller handle

Made from impact-resistant polypropylene and completely resistant to all types of solvents. Affected by low temperatures - the material remains flexible and does not break. Handles are produced with a texture at the top, preventing the thumb from sliding during operation.



width (mm)	grip	core (mm)	article-no.
60	short	6	710000000901
100	short	6	710000000902
100	long	6	710000000903
180	short	8	710000000904
250	short	8	710000000905

Packing unit: 1 pc

They are made with a special inside thread, which enables it to be connected to both standard cone extensions and classic household brush extensions.

Extension pole for handles

Used for range extension and flexibility when working on hard-to-reach surfaces. The universal size of the nozzle makes them suitable for all types of rollers. The adjustable handle is convenient and easy to move and work with.



length (cm)	article-no.
100-200	710000000920

Packing unit: 1 pc

ABRASIVES



COATED ABRASIVES

Fibre discs

Resin bonded fibre discs with crosscut hole. Excellent removal, long lifetime.



Type KFR

Grain: aluminium-oxide (A/O), brown
Suitable for metal and wood.

grit	16	24	36	40	60	80	100	120
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
115 x 22	030411501601	030411502401	030411503601	030411504001	030411506001	030411508001	030411510001	030411512001
125 x 22	030412501601	030412502401	030412503601	030412504001	030412506001	030412508001	030412510001	030412512001
180 x 22	030418001601	030418002401	030418003601	030418004001	030418006001	030418008001	030418010001	030418012001

Packing unit: 25 pcs / pack



Type CER

Grain: ceramic; red
Suitable for stainless steel, high alloyed steel, brass and bronze.

grit	24	36	40	60	80	120
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
125 x 22	030412502404	030412503604	030412504004	030412506004	030412508004	030412512004

Packing unit: 25 pcs / pack



Type SF

Grain: silicon-carbide (SiC), grey
Suitable for stone.

grit	16	24	36	40	60	80
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
115 x 22	030411501602	030411502402	030411503602	030411504002	030411506002	030411508002
125 x 22	030412501602	030412502402	030412503602	030412504002	030412506002	030412508002
180 x 22	030418001602	030418002402	030418003602	030418004002	030418006002	030418008002

Packing unit: 25 pcs / pack

Velcro discs

Grit: aluminium-oxide (A/O) brown. **Suitable** for metal, wood and plastic.

Type KE-RG



grit	40	60	80	120	180	240	320
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
115	030411504006	030411506006	030411508006	030411512006	030411518006	030411522006	030411532006
125	030412504006	030412506006	030412508006	030412512006	030412518006	030412522006	030412532006

Packing unit: 50 pcs / pack

With 8 holes



grit	40	60	80	120	180	240	320
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
125	030412504008	030412506008	030412508008	030412512008	030412518008	030412522008	030412532008

Packing unit: 50 pcs / pack

With 8+1 holes



grit	40	60	80	120	180	240
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
150	030415004008	030415006008	030415008008	030415012008	030415018008	030415022008

Packing unit: 50 pcs / pack

With 6 holes



grit	40	60	80	120	180	240
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
150	030415004007	030415006007	030415008007	030415012007	030415018007	030415022007

Packing unit: 50 pcs / pack

Delta, with 6 holes



grit	40	60	80	120	180	240
size D (mm)	article-no.	article-no.	article-no.	article-no.	article-no.	article-no.
94 x 94	030494940040	030494940060	030494940080	030494940120	030494940180	030494940220

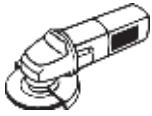
Packing unit: 50 pcs / pack

BACKING PADS

Backing pads

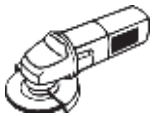
For fibre discs and semi-flex discs.

Delivered with nut for angle grinders.



size D (mm)	thread	article-no.
115	M 14	050711500000
125	M 14	050712500000
150	M 14	050715000000
180	M 14	050718000000
230	M 14	050723000000

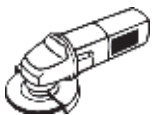
Velcro backing pads



size D (mm)	thread	article-no.
115	M 14	050711501000
125	M 14	050712510000
180	M 14	050718001000

Velcro backing pads, soft, with foam backing

Thickness: 12 mm



size D (mm)	thread	article-no.
115	M 14	050711500002
125	M 14	050712500002

Velcro backing pads with STARLOCK mounting system

For delta velcro disc.



length (mm)	width (mm)	article-no.
93	93	070202051000

COATED ABRASIVES

Endless belts

Resin bonded aluminium-oxide (A/O) cloth.

Suitable for grinding on wood, paint, metal.

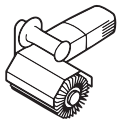


grit	40	60	80	100	120
width x length (mm)	article-no.	article-no.	article-no.	article-no.	article-no.
75 x 457	030475454003	030475456003	030475458003	030475451003	030475451203
75 x 533	030475534003	030475536003	030475538003	030475531003	030475531203
100 x 610	030410614003	030410616003	030410618003	030410611003	030410611203

Packing unit: 10 pcs / karton box

Endless belt wheel

With Zirconium grain.



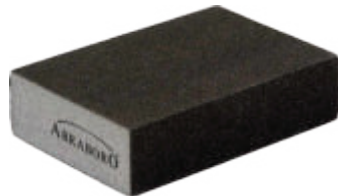
grit	Z 40	Z 60	Z 80	Z 120
D x width (mm)	article-no.	article-no.	article-no.	article-no.
90 x 100	030491014003	030491016003	030491018003	030491011203

Packing unit: 10 pcs

For use on burnishing machines.

Sanding pads

Abrasive pads and blocks made of aluminium oxide grain for dry and wet sanding jobs.



width x length x height (mm)	grit	article-no.
100 x 68 x 24	60	030410006001
100 x 68 x 24	100	030410100001
100 x 68 x 24	180	030410180001

3 pcs sponge pad (124 x 98 x 12)	article-no.
1 x K60 K100 K180	030412400003

Abrasive sheets

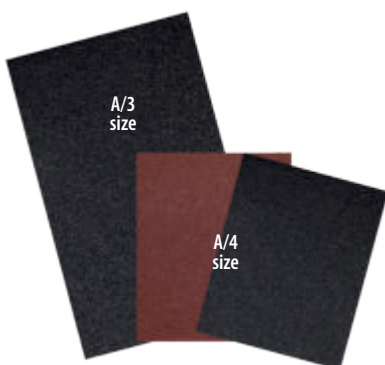
LATEX high quality waterproof abrasive paper for automotive industry.

230 x 280 mm (DIN A/4)

AN PREMIUM abrasive clothes for working in metal industry.

230 x 280 mm (DIN A/4),

280 x 460 mm (DIN A/3)



grit	LATEX A/4 article-no.	grit	LATEX A/4 article-no.
60	030400600404	360	030403600404
80	030400800404	400	030404000404
100	030401000404	500	030405000404
120	030401200404	600	030406000404
150	030401500404	800	030408000404
180	030401800404	1000	030410000404
220	030402200404	1200	030412000404
240	030402400404	1500	030415000404
280	030402800404	2000	030420000404
320	030403200404		

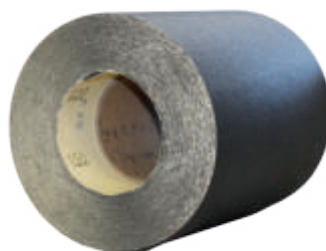
Packing unit: 100 sheets / pack

grit	AN A/4 article-no.	AN A/3 article-no.
40	030400400504	030400400303
60	030400600504	030400600303
80	030400800504	030400800303
100	030401000504	030401000303
120	030401200504	030401200303
150	030401500504	
180	030401800504	
240	030402400504	

Packing unit: 50 sheets / pack

Parquet grinding cloth and paper in roll

SE-RR abrasive paper, professional quality, long lifetime.



size width x length (mm)	type, grit	article-no.
200 x 25	SE-RR 24	030420025024
	SE-RR 36	030420025036
	SE-RR 40	030420025040
	SE-RR 60	030420025060
	SE-RR 80	030420025080
	SE-RR 100	030420025100
	SE-RR 120	030420025120

Packing unit: 1 pc

ABRASIVES

Mounted points

Aluminium-oxide mounted points vitrified with a ceramic binder.

Designed for fine sanding and deburring of uneven surfaces, internal parts of pipes, cylinders or other shaped pieces.

Color: pink

Suitable for steel, unalloyed steel and stainless steel.

A type	D x width x shank (mm)	max. RPM	article-no.
	5 x 10 x 3	50.000	040210050100
	10 x 10 x 3	28.640	040210100100
	10 x 20 x 6	28.640	040210100200
	15 x 15 x 6	19.000	040210130130
	15 x 20 x 6	19.000	040210160200
	15 x 30 x 6	19.000	040210160250
	20 x 20 x 6	14.320	040210200200
	20 x 25 x 6	14.320	040210200250
	25 x 25 x 6	11.460	040210250250
	30 x 20 x 6	9.540	040210320100
	30 x 30 x 6	9.540	040210300300
	30 x 40 x 6	9.540	040210250400

C type	D x width x shank (mm)	max. RPM	article-no.
	10 x 20 x 6	28.640	040210100201
	15 x 40 x 6	19.000	040210150400
	20 x 30 x 6	14.320	040210200300
	25 x 40 x 6	11.460	040210250401

S type	D x width x shank (mm)	max. RPM	article-no.
	15 x 6	19.000	040210130000
	20 x 6	14.320	040210160000
	25 x 6	11.640	040210250000

Non-woven hand pads and economy rolls

For cleaning parts of irregular shape, removing scale, grease and paints. Extremely flexible and handy.

Easy to clean using compressed air or water.

A/O: aluminium-oxide **brown** color

Suitable for steel, stainless steel, non-ferrous materials.

S/C: silicium-carbide **grey** color

Suitable for steel, stainless steel, non-ferrous materials.

Zircon Z: **blue** color

A/O universal: **green** color

Without grit: **white** color

hand pad 120 x 280 mm	
type	article-no.
A/O 180 fine grit	040215221201
A/O 280 very fine grit	040215221801
S/C 320 very fine grit	040215221802
S/C 400 ultra fine grit	040215223202
Z 180 fine grit, blue	040201805455
A/O universal, green	040200005455
without grit, white	040200005456

Packing unit: 20 sheets / pack



roll 100 mm x 10 m	
type	article-no.
A/O 180 fine grit	040212011201
A/O 280 very fine grit	040212011801
S/C 320 very fine grit	040212011802
S/C 400 ultra fine grit	040212013202

Packing unit: 1 pc



Velcro non-woven discs

Non-woven discs used on straight grinders and bench wheels for satin finishing and finishing operations on shaped surfaces of wood and metal.

(To be used on ABRABORO velcro backing pads)



size D (mm)	type	article-no.
125	A/O180 fine grit	040201255450

Packing unit: 1 pc

POLISHING WHEELS

Polishing flap wheels with shaft

Stem felts for cleaning and mirror polishing. They are used to polish molds, accompanied by diamond paste.

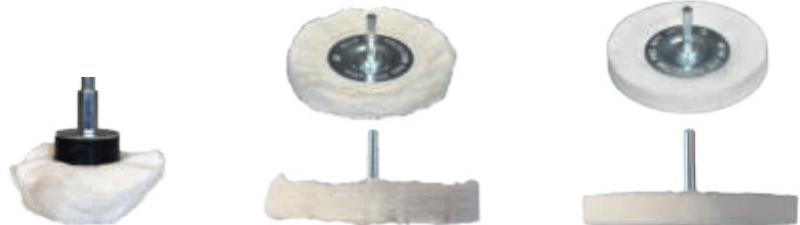


D x width x shank (mm)	article-no.
15 x 20 x 6	040215200006
20 x 25 x 6	040220250006
25 x 30 x 6	040225300006
30 x 30 x 6	040230300006
50 x 40 x 6	040250400006

Polishing felt wheels with shaft

Different shaped polishing wheels.

Made from non-whitening cotton, medium softness, for general application.
Suitable for polishing metals.



type	cotton buffering, mushroom type, cotton	cotton buffering wheel,	felt wheel
D x width (mm)	75	100 x 12	100 x 12
d (mm)	6	6	6
article-no.	040275750006	040210011600	040210012600

Packing unit: 1 pc/pack

Polishing flap wheel

The gloss polishing flap wheel is equipped with fins made of a high-quality special felt. Colour: white. For polishing, satin finishing.

Suitable for steel, stainless steel, aluminium, non-ferrous metals and wood.



D x width x shank (mm)	article-no.
40 x 30 x 6	040240300006
60 x 30 x 6	040260300006

Packing unit: 10 pcs / box

ABRABORO® gloss polishing flap disc

Equipped with high-quality felt flaps to provide mirror finish. To be used with polishing compound.

Suitable for polishing of steel, stainless steel, aluminium and non-ferrous metals.



size D x d (mm)	article-no.
115 x 22	050711513000
125 x 22	050712513000

Packing unit: 1 pc

Unitized cup wheel

Made of non woven material, resin impregnated.

Suitable for fast work on large work surfaces, to be used for any kind of metal (stainless steel, aluminium, etc.) plastic and composite for deburring, cleaning, finishing.



size D x d (mm)	article-no.
125 x 22	040212522002

Polishing paste

Apply the paste with the machine running!

- white: for metal/steel

- blue: for stainless steel

- brown: universal use, for all metals



type	size (mm)	weight (g)	article-no.
white	75 x 30 x 13	2 x 50	040275301300
blue	75 x 30 x 13	2 x 50	040275301301
brown	75 x 30 x 13	2 x 50	040275301302

Packing unit: 2 pcs / box



FLAP WHEELS

Flap wheels on shaft

Robust and excellent flexible.

Suitable for finishing, light deburring, cleaning.

Grit: aluminium-oxid (A/O), brown

Suitable for steel, stainless steel, wood, plastic.



grit	40	60	80	120
D x width x shank (mm)	article-no.	article-no.	article-no.	article-no.
20 x 20 x 6	040220200401	040220200601	040220200801	040220201201
30 x 20 x 6	040230200401	040230200601	040230200801	040230201201
40 x 20 x 6	040240200401	040240200601	040240200801	040240201201
50 x 30 x 6	040250300401	040250300601	040250300801	040250301201
60 x 20 x 6	040260200401	040260200601	040260200801	040260201201
60 x 30 x 6	040260300401	040260300601	040260300801	040260301201
80 x 30 x 6	040280300401	040280300601	040280300801	040280301201
80 x 40 x 6	040280400401	040280400601	040280400801	040280401201

Grit: zirconium (Z), blue

Suitable: steel, stainless steel and titanium parts.



grit	40	60	80
D x width x shank (mm)	article-no.	article-no.	article-no.
40 x 20 x 6	040240200400	040240200600	040240200800
60 x 30 x 6	040260300400	040260300600	040260300800

Flap wheels with shaft, extra thin

Grit: Aluminium oxide, brown

Suitable for different metals, woods and plastic



grit	60	80	120
D x width x shank (mm)	article-no.	article-no.	article-no.
20 x 5 x 6	040220050601	040220050801	040220051201
40 x 5 x 6	040240050601	040240050801	040240051201
60 x 5 x 6	040260050601	040260050801	040260051201
80 x 5 x 6	040280050601	040280050801	040280051201

Flap wheels with shaft, sphere

Grit: Aluminium oxide, brown

Suitable for different metals, woods and plastic



grit	60	80	120
D x width x shank (mm)	article-no.	article-no.	article-no.
20 x 6	040220060601	040220060801	040220061201
40 x 6	040240060601	040240060801	040240061201

Flap wheels with shaft, long shank

Grit: Aluminium oxide, brown

Suitable for different metals, woods and plastic



grit	60	80	120
D x width x shank (mm)	article-no.	article-no.	article-no.
20 x 15 x 100	040220150601	040220150801	040220151201
30 x 15 x 100	040230150601	040230150801	040230151201

FLAP WHEELS

Non-woven wheel on shaft

Non-woven material, brown. For light deburring and cleaning parts of irregular shape, pipes or moulded parts, satin finishing, removing scale, marks.



D x width x shank (mm)	article-no.
40 x 20 x 6	040240200004
60 x 30 x 6	040260300004
80 x 30 x 6	040280300004
80 x 50 x 6	040280500004

Interleaf flap wheels on shaft

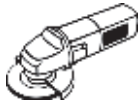
Made of a combination of cloth flaps and nonwoven material, brown. For light de-burring and cleaning parts of irregular shape, pipes or moulded parts, removing scale, marks.



D x width x shank (mm)	article-no.
40 x 20 x 6	040240201505
60 x 30 x 6	040260301505
80 x 50 x 6	040280501505

Flap wheels with M14 hole

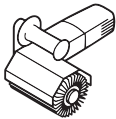
To remove light welds seams on round and irregular metal surfaces. Suitable for use with angle grinders (M14 threaded hole).



grit	60	80	120
D x width x thread (mm)	article-no.	article-no.	article-no.
125 x 20 x M 14	040212514060	040212514080	040212514120

Packing unit: 1 pc

Flap wheel for satin finishing machine

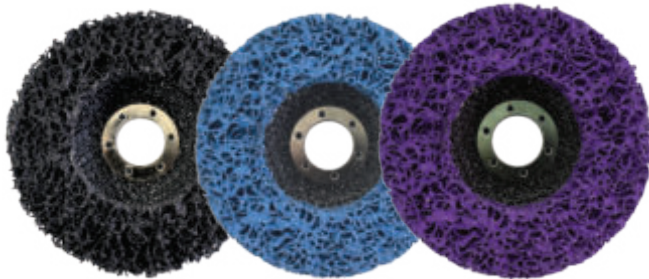


grit	A/O 40	A/O 60	A/O 80	A/O 120
D x width x hole (mm)	article-no.	article-no.	article-no.	article-no.
110 x 100 x 19,1	040211010040	040211010060	040211010080	040211010012

Packing unit: 1 pc

Course abrasiv discs

Made of an open web of extruded nylon filaments bonded with extra coarse silicon-carbide grain. For process welding seams, rapid removing of scale and oxidation, removing paints or other clogging materials such as salt, rust, grease, oil and protective.



type size D (mm)	black magic article-no.	blue magic article-no.	purple magic article-no.
50 x 13 x 6 for drilling machine	040205013601		
75 x 13 x 6 for drilling machine	040207513601		
100 x 13 x 6 for drilling machine	040210013600		
115 x 22 for angle grinder	040211522000	040211522001	040211522003
125 x 22 for angle grinder	040212522000	040212522001	040212522003
150 x 13 x 13 for linear grinder	040215013130		

Packing unit: 1 pc

black: standard quality, good performance

blue: premium quality, aggressive abrasive performance, long lifetime

purple: very aggressive abrasive performance

Shaft



type	article-no.
shaft for D 150 mm disc	040200000006

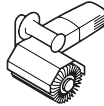
SATIN WHEELS

WHEELS FOR SATIN FINISHING MACHINE

Bosch, Flex, Metabo and other brands

Helpful help for;

Metal working industry, car industry, DIY, and renovations



Non-woven wheel

Non-woven wheels for manual satin finishing, soft and flexible. To satin and remove oxidations from all metal surfaces.

The non-woven wheel is light and does not overheat, does not vibrate, is silent and can be used both dry and wet.



grit	coarse	medium	fine	very fine
D x width x hole (mm)	article-no.	article-no.	article-no.	article-no.
110 x 100 x 19,1	040211010004	040211010014	040211010024	040211010034

Packing unit: 1 pc

Non-woven wheel HEAVY DUTY

Non-Woven open-structure HEAVY DUTY. More resistant and long lasting than the traditional non-woven fabric.



D x width x hole (mm)	grit	article-no.
100 x 100 x 19,1	HEAVY DUTY, coarse	040211010044

Packing unit: 1 pc

Interleaved flap wheel

Mixed cloth/non-woven flap wheels for manual polishing machine. For gentle grinding and finishing of the workpiece at the same time.



grit	A/O 60 brown	A/O 80 black	A/O 120 black
D x width x hole (mm)	article-no.	article-no.	article-no.
110 x 100 x 19,1	040211010005	040211010015	040211010025

Packing unit: 1 pc

BLACK CLEANER flap wheel

Black Cleaner flap wheels for pickling, removing rust, paints, enamels, oxidations.



D x width x hole (mm)	article-no.
110 x 100 x 19,1	040211010001

Packing unit: 1 pc

Felt flap wheel

Felt flap wheel for polishing and removing scratches.



D x width x hole (mm)	article-no.
100 x 100 x 19,1	040210010006

Packing unit: 1 pc

Brass-Plated steel wire wheel

Steel wire wheel for rusting wood, removing paint, eliminating rust, removing burrs.



D x width x hole (mm)	wire	article-no.
100 x 100 x 19,1	0.27 LIT	900590405454

Packing unit: 1 pc

Endless belt wheel

With Zirconium grain.



grit	Z 40	Z 60	Z 80	Z 120
D x width (mm)	article-no.	article-no.	article-no.	article-no.
90 x 100	030491014003	030491016003	030491018003	030491011203

Packing unit: 1 pc

REC centrifugal expanding wheel

Centrifugal expansion wheels to mount abrasive belts and surface conditioning on the manual satin finishing machine.



D x width x shank (mm)	article-no.
90 x 100 x 19,1	050709010001

Packing unit: 1 pc

FLAP DISCS

ABRABORO® type G-QA (brown)

High quality flap discs with aluminium-oxide grit.
High density for maximum wear out and lifetime.
Suitable for steel and wood.



grit	40	60	80	120
size D x d (mm)	article-no.	article-no.	article-no.	article-no.
115 x 22	050711504008	050711506008	050711508008	050711512008
125 x 22	050712504008	050712506008	050712508008	050712512008

Packing unit: 10 pcs / pack

ABRABORO® type G-QZ (blue)

High quality quality flap discs with zirconium grit.
High density for maximum wearout and lifetime.
Suitable for steel and stainless steel.



grit	40	60	80	120
size D x d (mm)	article-no.	article-no.	article-no.	article-no.
115 x 22	050711504007	050711506007	050711508007	050711512007
125 x 22	050712504007	050712506007	050712508007	050712512007

Packing unit: 10 pcs / pack

ABRABORO® type P-QK (red)

Premium quality flap discs with ceramic grit.
High density for maximum wear out and lifetime even in use on edges.
Suitable for steel and wood.



grit	40	60	80	120
size D x d (mm)	article-no.	article-no.	article-no.	article-no.
115 x 22	050711504010	050711506010	050711508010	050711512010
125 x 22	050712504010	050712506010	050712508010	050712512010

Packing unit: 10 pcs / pack

ABRABORO® type ALU-QZ (light blue)

High quality quality flap discs with zirconium grit.
High density for maximum wear out and lifetime.
Suitable for aluminium.



grit	coarse	fine
size D x d (mm)	article-no.	article-no.
125 x 22	050712506006	050712512006

Packing unit: 10 pcs / pack

Polishing flap disc

Suitable for descaling and derusting of stainless steel, steel, aluminium and non-ferrous metal.
Versatile usage, high service life.
For use in welding technology, metalworking and painting technology.

size D x d (mm)	coarse (brown)	medium (red)	fine (blue)
	article-no.	article-no.	article-no.
115 x 22	050711502001	050711502002	050711502003
125 x 22	050712502001	050712502002	050712502003



SCREWING AND HAND TOOLS



BIT HOLDERS

	type	size (mm)	Packing unit (pcs/pack)	article-no.
	Magnetic bitholder E 6,3	1/4" x 58	5	060803810390
	Magnetic bitholder E 6,3	1/4" x 100	1	060803810590
	Magnetic bitholder E 6,3	1/4" x 150	1	060803810790
	Magnetic bitholder E 6,3	1/4" x 200	1	060803810890
	TEMPO Magnetic bitholder quick-coupling E 6,3	1/4" x 60	1	060805910450
	Magnetic spacer for gypsum board E 6,3	1/4" x 60	1	060805910390
 	Magnetic bitholder SDS Plus	1/4" x 78	1	060805810290
	Adapter E 6,3	1/4" x 50	1	060809701310
	Dimpler / PH 2 x 25 for gypsum (short) C 6,3	25	5	060805911111
	Dimpler / PH 2 x 50 for plasterboard (long) E 6,3	50	1	060805911112

Magnetic bitholder

Blade: manufactured of CroMoV-steel

Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil and chemicals



	size (mm)	article-no.
	1/4" x 100 mm	060957361001

Packing unit: 3 pcs / pack

SUPRA BITS

Screwdriver bits with ¼" C 6,3 drive (25 mm long) and ¼" E 6,3 drive (50-152 mm long) according to DIN 3126.



ABRABORO® SUPRA bit

High quality tools with torsion zone for industrial and professional use. The torsion bit is excellently suited for cushioning load peaks, this guarantees a longer tool life. A newly developed hardening process (CoN - Cool Nitrogen) results better clamping effect, higher torque and provides enhanced corrosion protection.

Finish: silver



ABRABORO® SUPRA-TiN bit

Double coated TiN- bits; TiN-coating is followed by ZRN-coating making a high quality tool even for rough applications. The micro-rough ZrN-surface gives a better grip in the screw head and results better resistance to wear, to abrasion and longer lifetime.

Finish: silver/gold



	type, length (mm)	SUPRA (10 pcs/pack) article-no.	SUPRA XXL (100 pcs/pack) article-no.	SUPRA-TiN (10 pcs/pack) article-no.	SUPRA-TiN XXL (100 pcs/pack) article-no.
-	0,6 x 4,5 x 25	060802031010			
	0,8 x 5,5 x 25	060802041010			
	1,0 x 5,5 x 25	060802052010			
	1,2 x 6,5 x 25	060802061010			
	0,6 x 4,5 x 50	060803031510			
	0,8 x 5,5 x 50	060803041510			
	1,0 x 5,5 x 50	060803052510			
	1,2 x 6,5 x 50	060803061510			
+	PH 0 x 25	060802200010			
	PH 1 x 25	060802201010	060802201017	060802201070	060802201077
	PH 2 x 25	060802202010	060802202017	060802202070	060802202077
	PH 3 x 25	060802203010	060802203017	060802203070	060802203077
	PH 4 x 38	060802204210			
	PH 1 x 50	060803201510		060803201570	
	PH 2 x 50	060803202510		060803202570	
	PH 3 x 50	060803203510		060803203570	
	PH 1 x 70	060803201710		060803201770	
	PH 2 x 70	060803202710		060803202770	
	PH 3 x 70	060803203710			
	PH 1 x 110	060803201810			
	PH 2 x 110	060803202810			
	PH 3 x 110	060803203810			
	PH 1 x 127	060803201820			
	PH 2 x 127	060803202820			
	PH 3 x 127	060803203820			
	PH 1 x 152	060803201910			
	PH 2 x 152	060803202910			
	PH 3 x 152	060803203910			
+	PZ 0 x 25	060802100010			
	PZ 1 x 25	060802101010	060802101017	060802101070	060802101077
	PZ 2 x 25	060802102010	060802102017	060802102070	060802102077
	PZ 3 x 25	060802103010	060802103017	060802103070	060802103077
	PZ 4 x 38	060802104210			
	PZ 1 x 50	060803101510		060803101570	
	PZ 2 x 50	060803102510		060803102570	
	PZ 3 x 50	060803103510		060803103570	
	PZ 1 x 70	060803101710		060803101770	
	PZ 2 x 70	060803102710		060803102770	
	PZ 3 x 70	060803103710			
	PZ 1 x 110	060803101810			
	PZ 2 x 110	060803102810			
	PZ 3 x 110	060803103810			
	PZ 1 x 127	060803101820			
	PZ 2 x 127	060803102820			
	PZ 3 x 127	060803103820			
	PZ 1 x 152	060803101910			
	PZ 2 x 152	060803102910			
	PZ 3 x 152	060803103910			

SUPRA BITS



	type, length (mm)	SUPRA article-no.	SUPRA-TIN article-no.
	Torx 5 x 25	060802605010	
	Torx 6 x 25	060802606010	
	Torx 7 x 25	060802607010	
	Torx 8 x 25	060802608010	
	Torx 9 x 25	060802609010	
	Torx 10 x 25	060802610010	060802610070
	Torx 15 x 25	060802615010	060802615070
	Torx 20 x 25	060802620010	060802620070
	Torx 25 x 25	060802625010	060802625070
	Torx 27 x 25	060802627010	
	Torx 30 x 25	060802630010	060802630070
	Torx 40 x 25	060802640010	060802640070
	Torx 10 x 50	060803610510	
	Torx 15 x 50	060803615510	
	Torx 20 x 50	060803620510	
	Torx 25 x 50	060803625510	
	Torx 30 x 50	060803630510	
	Torx 40 x 50	060803640510	
	Torx 10 x 70	060803610710	
	Torx 15 x 70	060803615710	
	Torx 20 x 70	060803620710	
	Torx 25 x 70	060803625710	
	Torx 30 x 70	060803630710	
	Torx 40 x 70	060803640710	
	Torx 20 x 152	060803620910	
	Torx 25 x 152	060803625910	
	Torx 30 x 152	060803630910	
	Torx 40 x 152	060803640910	
	Torx tamper 20 x 25	060802720010	
	Torx tamper 25 x 25	060802725010	
	Torx tamper 30 x 25	060802730010	
	Torx tamper 40 x 25	060802740010	
	2 x 25	060802420010	
	3 x 25	060802430010	
	4 x 25	060802440010	
	5 x 25	060802450010	
	6 x 25	060802460010	
	SQ 1 x 25	060802510010	
	SQ 2 x 25	060802520010	
	SQ 3 x 25	060802530010	

Packing unit: length 25/50 mm: 10 pcs / pack
length 70 mm: 3 pcs / pack
length 110/127/152 mm: 3 pcs / EV-Pack

ABRABORO® IMPACT bit

High impact strength, very good corrosion protection. Impact bits are better suited to absorbing the permanent impact. They feature different core and surface hardnesses and are made using specific hardening processes.



type, length (mm)	article-no.	type, length (mm)	article-no.	type, length (mm)	article-no.
PH 1 x 30	060802201080	PZ 1 x 30	060802101080	Torx 20 x 30	060802620080
PH 2 x 30	060802202080	PZ 2 x 30	060802102080	Torx 25 x 30	060802625080
PH 3 x 30	060802203080	PZ 3 x 30	060802103080	Torx 30 x 30	060802630080

Packing unit: 5 pcs / pack

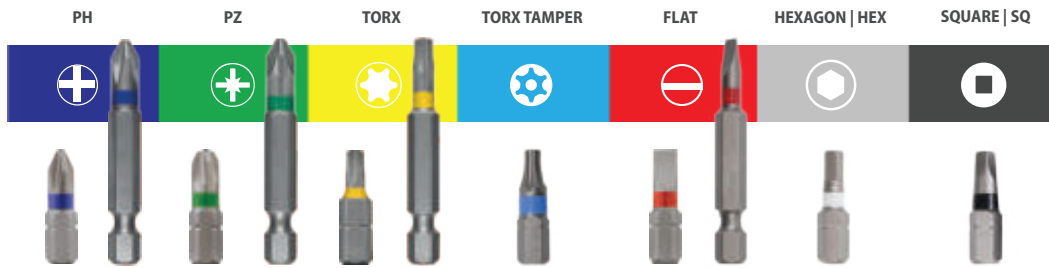
Bitholder for IMPACT bit



type	size (mm)	Packing unit	article-no.
IMPACT-TEMPO Quick-coupling bitholder E 6,3	1/4" x 80	1	060803810290

Packing unit: 1 pc / pack

POWER BITS



ABRABORO® POWER bit

High quality bits with colour marking.

in 25 mm length with C6,3 1/4" shank
in 50 mm length with C6,3 1/4" shank



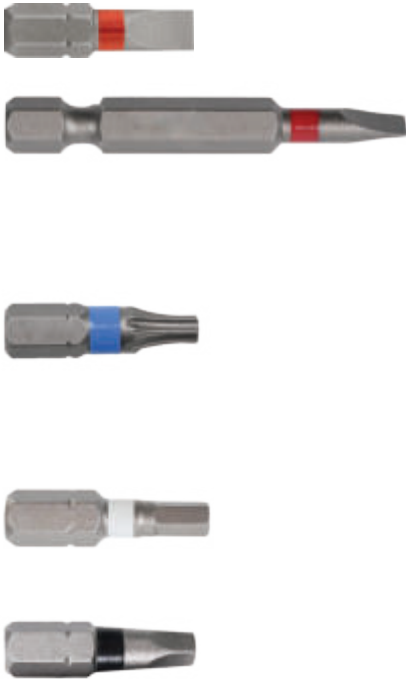
	2 pcs / EV-Pack		1 pcs / EV-Pack	
	type, length (mm)	article-no.	type, length (mm)	article-no.
+	PH 0 x 25	061802200010	PH 4 x 35	061802204210
	PH 1 x 25	061802201010	PH 1 x 75	061803201710
	PH 2 x 25	061802202010	PH 2 x 75	061803202710
	PH 3 x 25	061802203010	PH 3 x 75	061803203710
	PH 1 x 50	061803201510	PH 1 x 100	061803201810
	PH 2 x 50	061803202510	PH 2 x 100	061803202810
	PH 3 x 50	061803203510	PH 3 x 100	061803203810
			PH 1 x 150	061803201910
			PH 2 x 150	061803202910
			PH 3 x 150	061803203910

+	PZ 0 x 25	061802100010	PZ 4 x 35	061802104210
	PZ 1 x 25	061802101010	PZ 1 x 75	061803101710
	PZ 2 x 25	061802102010	PZ 2 x 75	061803102710
	PZ 3 x 25	061802103010	PZ 3 x 75	061803103710
	PZ 1 x 50	061803101510	PZ 1 x 100	061803101810
	PZ 2 x 50	061803102510	PZ 2 x 100	061803102810
	PZ 3 x 50	061803103510	PZ 3 x 100	061803103810
			PZ 1 x 150	061803101910
			PZ 2 x 150	061803102910
			PZ 3 x 150	061803103910

*	Torx 5 x 25	061802605010	Torx 10 x 75	061803610510
	Torx 6 x 25	061802606010	Torx 15 x 75	061803615510
	Torx 7 x 25	061802607010	Torx 20 x 75	061803620510
	Torx 8 x 25	061802608010	Torx 25 x 75	061803625510
	Torx 9 x 25	061802609010	Torx 30 x 75	061803630510
	Torx 10 x 25	061802610010	Torx 40 x 75	061803640510
	Torx 15 x 25	061802615010	Torx 10 x 100	061803610100
	Torx 20 x 25	061802620010	Torx 15 x 100	061803615100
	Torx 25 x 25	061802625010	Torx 20 x 100	061803620100
	Torx 30 x 25	061802630010	Torx 25 x 100	061803625100
	Torx 40 x 25	061802640010	Torx 30 x 100	061803630100
	Torx 10 x 50	061803610510	Torx 40 x 100	061803640100
	Torx 15 x 50	061803615510	Torx 10 x 150	061803610910
	Torx 20 x 50	061803620510	Torx 15 x 150	061803615910
	Torx 25 x 50	061803625510	Torx 20 x 150	061803620910
	Torx 30 x 50	061803630510	Torx 25 x 150	061803625910
	Torx 40 x 50	061803640510	Torx 30 x 150	061803630910
			Torx 40 x 150	061803640910

size	25 pcs / Packing unit	100 pcs / Packing unit
	article-no.	article-no.
PH 1 x 25 mm	061802201015	061802201017
PH 2 x 25 mm	061802202015	061802202017
PH 3 x 25 mm	061802203015	061802203017
PZ 1 x 25 mm	061802101015	061802101017
PZ 2 x 25 mm	061802102015	061802102017
PZ 3 x 25 mm	061802103015	061802103017

POWER BITS



2 pcs / EV-Pack		
	type, length (mm)	article-no.
●	0,6 x 4,5 x 25	061802031010
	0,8 x 5,5 x 25	061802041010
	1,0 x 5,5 x 25	061802061010
	0,6 x 4,5 x 50	061803031510
	0,8 x 5,5 x 50	061803041510
	1,0 x 5,5 x 50	061803061510
★	Torx Tamper 10 x 25	061802610070
	Torx Tamper 15 x 25	061802615070
	Torx Tamper 20 x 25	061802620070
	Torx Tamper 25 x 25	061802625070
	Torx Tamper 30 x 25	061802630070
	Torx Tamper 40 x 25	061802640070
⬢	HEX 2 x 25	061802420010
	HEX 3 x 25	061802430010
	HEX 4 x 25	061802440010
	HEX 5 x 25	061802450010
	HEX 6 x 25	061802460010
⬢	SQ 1 x 25	061802510010
	SQ 2 x 25	061802520010
	SQ 3 x 25	061802530010

ABRABORO® 168 pcs POWER BIT display

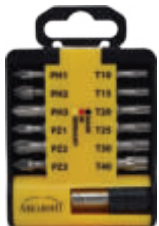
article-no.: 061800000420

Content

pack	type, size	pack	type, size
5 x	PH 1 x 25 mm	5 x	Torx 30 x 25 mm
5 x	PH 2 x 25 mm	5 x	Torx 40 x 25 mm
5 x	PH 3 x 25 mm	5 x	Torx 10 x 50 mm
5 x	PH 1 x 50 mm	5 x	Torx 15 x 50 mm
5 x	PH 2 x 50 mm	5 x	Torx 20 x 50 mm
5 x	PH 3 x 50 mm	5 x	Torx 25 x 50 mm
5 x	PZ 1 x 25 mm	5 x	Torx 30 x 50 mm
5 x	PZ 2 x 25 mm	5 x	Torx 40 x 50 mm
5 x	PZ 3 x 25 mm	5 x	HEX 3 x 25 mm
5 x	PZ 1 x 50 mm	5 x	HEX 4 x 25 mm
5 x	PZ 2 x 50 mm	5 x	HEX 5 x 25 mm
5 x	PZ 3 x 50 mm	5 x	4,5 x 0,6 x 25 mm
5 x	Torx 10 x 25 mm	5 x	5,5 x 0,8 x 25 mm
5 x	Torx 15 x 25 mm	5 x	6,5 x 1,2 x 25 mm
5 x	Torx 20 x 25 mm	9 x	13 pcs bit SET PH/PZ/TX
5 x	Torx 25 x 25 mm	9 x	magnetic bitholder TEMPO 1/4" x 60 mm



BIT SETS



type	content	article-no.
31 pcs bit set	2 x PH 1 3 x PH 2 1 x PH 3 1 x Torx 10 2 x Torx 15 2 x Torx 20 3 x Torx 25 3 x Torx 30 1 x Torx 40 2 x PZ 1 / 8 x PZ 2 / 2 x PZ 3 1 x Magnetic bitholder 1/4" x 60 mm	060802060031
17 pcs wood drill- and bit set	4 x wood drill E6,3 D 3 4 5 6 mm 1 x PH 1 PH 2 PZ 1 Torx 10 Torx 15 Torx 20 Torx 25 3 x PZ 2 2 x Torx 30 1 x TEMPO Magnetic bitholder	060805700017
17 pcs screw extractor and bit set	1 x PH 1 PH 2 PH 3 1 x PZ 1 PZ 2 PZ 3 1 x Torx 10 Torx 15 Torx 20 Torx 25 Torx 30 Torx 40 1 x Magnetic bitholder 1/4" x 60 mm 1 x screw extractor No. 1 2 3 4	060958000017
13 pcs bit set with 12 pcs display	1 x PH 1 PH 2 PH 3 1 x PZ 1 PZ 2 PZ 3 1 x Torx 10 Torx 15 Torx 20 Torx 25 Torx 30 Torx 40 1 x Magnetic bitholder 1/4" x 58 mm	060802060013
13 pcs bit set TiN	1 x PH 1 PH 2 PH 3 1 x PZ 1 PZ 2 PZ 3 1 x Torx 10 Torx 15 Torx 20 Torx 25 Torx 30 Torx 40 1 x Magnetic bitholder 1/4" x 58 mm	060802060213
13 pcs bit set	1 x PH 1 PH 2 PH 3 1 x PZ 1 PZ 2 PZ 3 1 x Torx 10 Torx 15 Torx 20 Torx 25 Torx 30 Torx 40 1 x Magnetic bitholder 1/4" x 58 mm	060802060113

BIT SETS



22 pcs Spline socket set

SPLINE 1/4" 4 | 4,5 | 5 | 5,5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 mm
 1 x ratchet 150 mm
 1 x handle non-slip
 1 x 1/4" sliding T-bar
 1 x 1/4" extension bar 50 mm
 1 x 1/4" extension bar 100 mm
 1 x 1/4" extension bar 150 mm
 1 x universal joint
 1 x 1/4" adapter 30 mm
 1 x 1/4" x 1/4" bit holder

060805700022



Ratchet

for 22 pcs SPLINE Socket set
 1/4" x 150 mm

060805700002



30 pcs Spline socket set

1 x PH 1 | 1 x PH 2 | 1 x PH 3
 1 x PZ 1 | 4 x PZ 2 | 1 x PZ 3
 1 x Torx 10 | 1 x Torx 15 | 1 x Torx 20 | 1 x Torx 25 | 1 x Torx 30 | 1 x Torx 40
 1 x SW 3 | 1 x SW 4 | 1 x SW 5
 1 x inox ratchet / Ratsche
 1 x 1/4" adapter / Bitadapter
 1 x extension bar / Verlängerung
 SPLINE Socket: 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14

060805700030



Inox ratchet

for 30 pcs SPLINE Socket and bit set
 1/4" x 90 mm

060805700001



PREMIUM
 84 pcs spline socket and bit set

SPLINE 1/4" 4 | 4,5 | 5 | 5,5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 mm
 1 x 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 mm deep socket 48 mm
 1 x 1/4" x 150 mm ratchet
 1 x 1/4" x 1/4" bit holder
 1 x 1/4" universal joint
 1 x 1/4" x 50 mm / 100 mm extension bar
 1 x 1/4" x 100 mm flexible T-sliding bar
 1 x 1/4" x 30 mm socket adapter
 1 x 2K handle
 Bits: 3 x PH 1 | 5 x PH 2 | 2 x PH 3
 3 x PZ 1 | 5 x PZ 2 | 2 x PZ 3
 1 x Torx 5 | 2 x Torx 6 | 2 x Torx 10 | 2 x Torx 15
 3 x Torx 20 | 4 x Torx 25 | 1 x Torx 27 | 3 x Torx 30 | 2 x Torx 40
 1 x SW 2 | 1 x SW 3 | 1 x SW 4 | 1 x SW 5 | 1 x SW 6
 1 x SW 4,5 | 1 x SW 6,5
 1 x SQ 1 | 1 x SQ 2 | 1 x SQ 3
 1 x 1/4" x 60 mm Automatic bitholder
 1 x mains tester
 1 x SILVER CUT knife
 1 x snap-off blades 10xSK5

060805700084

Screw extractor set, 5 pcs

For the removal of stuck screws.



content

article-no.

No. 1 | 2 | 3 | 4 | 5

060958000005

SCREWDRIVERS

Screwdrivers for professionals

black line, with black-red handle

Blade: manufactured of CrMoV-steel, blackened tip

Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil and chemicals



	size (mm)	article-no.
-	2,5 x 0,4 x 75	060951607525
	3,0 x 0,5 x 100	060951310030
	3,5 x 0,6 x 100	060951610035
	4,0 x 0,8 x 100	060951310040
	5,5 x 1,0 x 125	060951312555
	6,5 x 1,2 x 150	060951315065
	8,0 x 1,2 x 175	060951317580
+	PH 0 x 60	060952306000
	PH 1 x 80	060952308010
	PH 2 x 100	060952310020
	PH 3 x 150	060952315030
+	PZ 0 x 60	060953306000
	PZ 1 x 80	060953308010
	PZ 2 x 100	060953310020
	PZ 3 x 150	060953315030

Packing unit: 3 pcs / pack

Stubby screwdriver



	size (mm)	article-no.
-	5,5 x 1,0 x 25	060951702555
+	PH 1 x 25	060952602510
	PH 2 x 25	060952602520
+	PZ 1 x 25	060953602510
	PZ 2 x 25	060953602520

Packing unit: 3 pcs / pack

Screwdrivers with hexagon blade

Blade: manufactured of CrMoV-steel, blackened tip, go-thru blade, hexagon

Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil and chemicals, with metal cap and wrench adapter



	size (mm)	article-no.
-	10,0 x 1,6 x 200	060951572001
	12,0 x 2,0 x 200	060951572501

Packing unit: 3 pcs / pack

Torx and Torx Tamper screwdrivers

Blade: manufactured of CrMoV-steel, blackened tip

Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil



	size (mm)	article-no.
T	Torx 6 x 60	060954060060
	Torx 8 x 60	060954060080
	Torx 10 x 80	060954080100
	Torx 15 x 80	060954080150
	Torx 20 x 100	060954100200
	Torx 25 x 100	060954100250
	Torx 30 x 115	060954115300
	Torx 40 x 130	060954130400
T	Torx Tamper 10 x 80	060955080100
	Torx Tamper 15 x 80	060955080150
	Torx Tamper 20 x 100	060955100200
	Torx Tamper 25 x 100	060955100250
	Torx Tamper 30 x 115	060955115300

Packing unit: 3 pcs / pack

SCREWDRIVERS

Socket with black-red handle

Blade: manufactured of CroMoV-steel
Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil and chemicals



	size (mm)	article-no.
	8 x 125	060957112508
	10 x 125	060957112510
	13 x 125	060957112513

Packing unit: 3 pcs / pack

Insulated screwdrivers

According to EN 60900 and IEC 900, professional quality,
VDE certificated
red line, with red handle
Blade: manufactured of CroMoV-steel, moulded blade insulation
Handle: bi-component materials, ergonomic design, high torque generation and transmission, slip resistant grip, resistant to oil and chemicals



	size (mm)	article-no.
	3,0 x 0,5 x 100	060952110030
	4,0 x 0,8 x 100	060952110040
	5,5 x 1,0 x 125	060952112555
	PH 1 x 80	060952208010
	PH 2 x 100	060952210020

Packing unit: 3 pcs / pack

Voltage tester

150 - 250 V / AC



size (mm)	article-no.
3,0 x 0,8 x 65	060836130001

Packing unit: 1 pc

Magnetic socket

drive: 1/4", E 6,3



size D (mm)	length (mm)	article-no.
5,0	65	060803905010
6,0	65	060803906010
7,0	65	060803907010
8,0	65	060803908010
10,0	65	060803910010
13,0	65	060803913010
3/8"	65	060803903810

Magnetic socket set, 5 pieces



content (D x 65 mm)	article-no.
6,0 7,0 8,0 9,0 10,0 13,0	060803900005

SCREWDRIVER SETS

ABRABORO® high-quality screwdriver in sets

T1 black line

7 pcs screwdriver set



	content	article-no.
⊖	3,0 x 100 4,0 x 100 5,5 x 125 6,5 x 150	060951307000
⊕	PH 1 x 80 PH 2 x 100	
⊕	PZ 2 x 100	

T2 black line

7 pcs screwdriver set



	content	article-no.
⊖	3,0 x 100 5,5 x 125 8,0 x 175	060951307001
⊕	PH 1 x 80 PH 2 x 100	
⊕	PZ 1 x 80 PZ 2 x 100	

T6 black line, Torx

7 pcs screwdriver set



	content	article-no.
⊕	Torx 6 x 60 Torx 10 x 80 Torx 15 x 80	060954007000
	Torx 20 x 100 Torx 25 x 100	
	Torx 30 x 115 Torx 40 x 130	

Insulated 1000 V

6 pcs screwdriver set



	content	article-no.
⊖	3,0 x 75 4,0 x 100 5,5 x 125	060952006000
⊕	PH 1 x 80 PH 2 x 100	
	Fázisceruza	

Promo

6 pcs screwdriver set



	content	article-no.
⊖	3,0 x 75 5,5 x 100 6,5 x 125	060952006000
⊕	PH 1 x 80 PH 2 x 100	
⊕	PZ 2 x 100	

Key assortments

MADE
IN
GERMANY



type	content	article-no.
Set of hexagon key wrenches, short type, 9 pcs	1,5 2 2,5 3 4 5 6 8 10	060899248226
Set of hexagon key wrenches, long type, 9 pcs	1,5 2 2,5 3 4 5 6 8 10	060899242856
Set of hexagon key wrenches with ball head, long type, 9 pcs	1,5 2 2,5 3 4 5 6 8 10	060899242616
Set of Torx hexagon key wrenches, long type, 8 pcs	Torx 9 10 15 20 25 27 30 40	060899511380
MAMMUT hexagon key wrenches / folding-set, 6 pcs	2,5 3 4 5 6 8	060899271168
MAMMUT Torx key wrenches / folding-set, 8 pcs	⊕ Torx 9 10 15 20 25 27 30 40	060899571180

PLIERS

Waterpump plier

Premium quality waterpump plier with long, slender head ideal for hard-to-reach places. 7 point size-adjustment induction and hardened gears for a long service life.



size (mm)	article-no.
250	080300000001
300	080300000002

Combination plier

Professional quality combination plier, made from special tool steel; forged, oil hardened. Gripping zones for flat and round material for a variety of uses. Cutting edges for soft and hard wires. Ergonomic 2 component handle for comfortable and powerful use.



size (mm)	article-no.
160	080300000020
180	080300000021

Diagonal plier

Professional quality combination plier, made from special tool steel; forged, oil hardened. Precision cutting edges for soft and hard wires. Ergonomic 2 component handle for comfortable and powerful use.



size (mm)	article-no.
160	080300000030

Long nose plier

Professional quality combination plier, made from special tool steel; forged, oil hardened. Long jaw style for better application. Ergonomic 2 component handle for comfortable and powerful use.



size (mm)	article-no.
160	080300000040

TOOL BOX

PROBOX toolbox 2 in 1

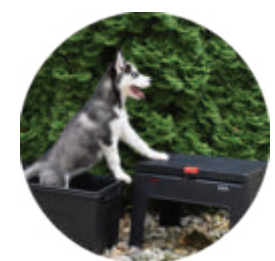
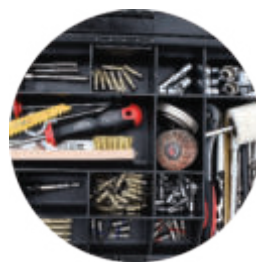
Innovative multi-purpose step stool and toolbox: patented locking system, ergonomic surface, can be used as a work-table or seat.

Safe storage: drill magazine holder, 16 compartments for small parts, holder for hand saw, large tool box with 23 litre storage space, removable.

Convenient transportation: stable handle for mobile use, quick click system between stool and tool box.

Robust material: extremely durable and robust, can hold up to 150 kg, high-quality PP material without sharp corners and edges.

size (mm)	article-no.
420 x 300 x 300	080200060002



MULTI-TOOL ACCESSORIES



SAW BLADES WITH **STARLOCK** MOUNTING SYSTEM FOR:

FEIN, BOSCH, MAKITA, METABO, MILWAUKEE, RIDGID, SKIL machines



Circular saw blade

For all soft materials. Segmented, ideal for working in corners and on-edges without overcutting.



size D (mm)	article-no.
85	070201130000

HSS saw blade

Solid HSS saw blade with metal teeth for sheet metal up to approx. 1 mm. Also for plastics, fiberglass-reinforced plastics, wood, putty and copper/copper alloys. Outstanding cutting speed. Clean, thin cutting line. Segmented, ideal for working in corners and on-edges without overcutting.



size D (mm)	article-no.
85	070201060000

HSS saw blade

Bimetal for long tool life. Metal teeth for sheet metal up to approx. 1 mm. Also for plastics, fiberglass-reinforced plastics, wood, putty and copper/copper alloys. Work flush with the surface. Circular shape delivers good cost-effectiveness.



size D (mm)	article-no.
85	070201740000

E-Cut Long-Life saw blade

Bimetal with set wood teeth for all wood, plasterboard and plastic materials. Outstanding tool life, high cutting quality and speed. Extremely robust, not affected by nails (up to diameter of approx. Ø 4 mm) in wood, masonry, etc. Short, very narrow shape for the smallest recesses.



length (mm)	width (mm)	article-no.
30	10	070201840000
34	20	070201830000
50	35	070201600000
50	50	070202210000

E-Cut Long-Life universal saw blade

Bimetal with corrugated universal teeth. Wide range of applications for sheet metal up to 2 mm, aluminium profiles, copper pipes, wood, plasterboard and plastics. Wide, with waist for optimum cutting speed and good swarf removal.



length (mm)	width (mm)	article-no.
55	28	070202220000
55	44	070202230000

E-Cut Standard saw blade

Set teeth for all wood, plasterboard and plastic materials, high cutting quality and speed. Medium width, with waist for optimum cutting speed and good swarf removal.



length (mm)	width (mm)	article-no.
50	35	070201330000

E-Cut Precision BIM saw blade

Bimetal with double-row Japanese teeth for all wooden materials, plasterboard and soft plastics. Improved tool life and robustness. The fastest cutting speed and maximum precision. Narrow, with waist for optimum cutting speed and good swart removal.



length (mm)	width (mm)	article-no.
50	35	070202050000

E-Cut Precision saw blade

Double-row Japanese teeth for all wooden materials, plasterboard and soft plastics. The fastest cutting speed and maximum precision. Narrow, with waist for optimum cutting speed and good swart removal.



length (mm)	width (mm)	article-no.
50	35	070201260000

E-Cut Fine saw blade

Bimetal with fine teeth for sheet metal up to 2 mm, aluminium profiles, copper pipes. Also for fiberglass-reinforced plastics and other hard plastics. Extremely precise cuts wich are very easy to control with particularly thin cutting line. Medium width, with waist for optimum cutting speed and good swart removal.



length (mm)	width (mm)	article-no.
50	30	070201570000

Carbide saw blade

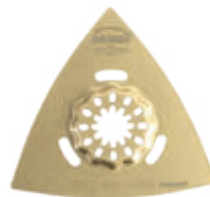
For cutting out dacoreed tile joints. Also for cutting slots in plaster, porous concrete and similar building materials and for cleaning and reworking deck joints. Not suited to very hard epoxy resin or cemented joints. The cost-effective alternative to diamond tools. Segmented, ideal for working in corners and on edges without overcutting. Cutting width: approx. 2,2 mm.



size D (mm)	article-no.
75	070201180000

Carbide rasp

For rough sanding of fillers, tile adhesive, concrete, stone and wood. Triangular shape, edge length of 80 mm, perforated, can also be used with dust extraction.



élength (mm)	article-no.
80	070200010000

Fixed scraper blade

Short version. For removing stubborn old paint, adhesive residues, carpets, tile adhesives and coats of underseal.



length (mm)	width (mm)	article-no.
60	52	070202260000

Rigid scraper blade

Short version. For removal of stubborn paint, adhesive residue, carpet, tile adhesive, and under seal.



article-no.
070201650000

MULTI-TOOL ACCESSORIES **STARLOCK**

E-Cut Carbide pro

TiN coated hard metal plunge cut saw blade with outstanding wear resistance. 100% higher service life compared to non-coated hard metal saw blades. 30 times longer lifespan compared to HSS saw blades. The perfect choice for hard materials such as ferrous metals, stainless steel or copper pipes. Can even be used for tempered screws (Spax) and high-strength machine screws. Also ideal for abrasive materials like brick, masonry and cement fiber slabs, not to mention laminate, CFRP and GFRP. Strong cutting performance and cutting quality in all wood materials such as hardwood and particle board.

Narrow, waisted shape for optimal cutting speed and good swarf removal.



length (mm)	width (mm)	article-no.
45	35	070202360000

E-Cut Standard saw blade, curved

Set teeth for all wood, drywall and plastic materials, very clean cuts and good cutting speed. Hooked cutting geometry for optimal plunge cutting and clean, precise cut edges, especially on smooth surfaces.

55x35 Narrow, waisted shape for optimal cutting speed and good swarf removal.

55x50 Medium width for numerous applications.

50x65 Wide shape for maximum cutting performance and long straight cuts.



length (mm)	width (mm)	article-no.
55	35	070202270000
50	50	070202262000
50	65	070202250000



E-Cut Long-Life saw blade

Bimetal saw blade for all wood materials, drywall and soft plastics. Increased service life and strength. Fast work performance and maximum precision especially in wooden areas with nails.

Extra-wide shape for maximum cutting performance and long straight cuts



length (mm)	width (mm)	article-no.
50	65	070202280000

E-Cut Precision saw blade

Double-row Japanese teeth for all wood materials, drywall and soft plastics. Fastest work performance and maximum precision.

Extra-wide shape for maximum cutting performance and long straight cuts.



length (mm)	width (mm)	article-no.
50	65	070202300000

E-Cut Precision saw blade

Double-row Japanese teeth for all wood materials, drywall and soft plastics. Fastest work performance and maximum precision.

Medium width for numerous applications.



length (mm)	width (mm)	article-no.
50	50	070202330000

MULTI-TOOL ACCESSORIES **STARLOCK**

E-Cut Precision saw blade

Bimetal with double-row Japanese teeth for all wood materials, drywall and soft plastics. Increased service life and strength. Fastest work performance and maximum precision.

Extra-wide shape for maximum cutting performance and long straight cuts.



length (mm)	width (mm)	article-no.
50	65	070202290000

E-Cut Precision saw blade

Bimetal with double-row Japanese teeth for all wood materials, drywall and soft plastics. Increased service life and strength. Fastest work performance and maximum precision.

Medium width for numerous applications.



length (mm)	width (mm)	article-no.
50	50	070202320000

Multifunctional knife

For cutting carpet, PVC flooring, cardboard, bitumen shingles and roofing paper. With three cutting surfaces.



article-no.
070202510000

Cutting blade

Mushroom-shaped, for cutting silicone and soft putty material and for separating insulation glass units.



length (mm)	width (mm)	article-no.
70	34	070202450000

Velcro backing pad

For delta velcro discs



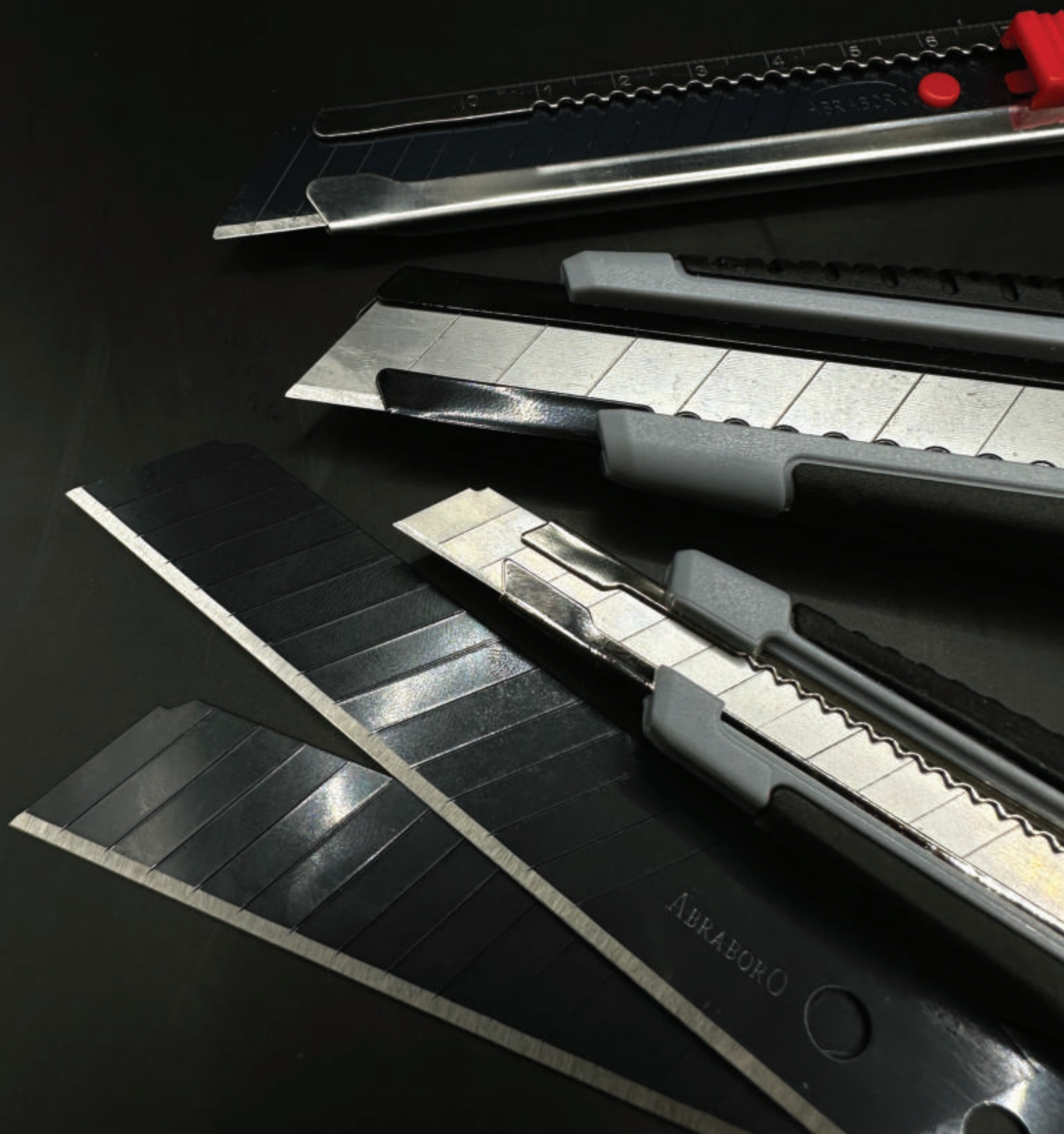
length (mm)	width (mm)	article-no.
93	93	070202051000

Sets



type	content	article-no.
4 pcs E-Cut Saw blade set in plastic case	1 pcs Fine saw blade 1 pcs Long-Life saw blade 1 pcs Long-Life merülő-saw blade 1 pcs Standard saw blade	070200000001
4 pcs E-Cut Saw blade set in plastic case	1x Carbide rasp 1x Fixed scraper blade 1x Carbide saw blade 1x Long-Life saw blade	070200000002

CUTTER KNIVES



CUTTER KNIVES

INOX metal pocket knife

Elegant body, high quality INOX material.
Stamped measuring units on it's side, with belt clip.
Length: 160 mm
Blade: 18 mm BLACK LABEL SK4 premium

type	article-no.
INOX knife	070100000016

Packing unit: 24 pcs /display



Universal knife with ABS plastic handle

Knife with fully galvanized blade channel, automatic blade retraction, and built-in blade breaker.
2 spare blades inside.
Blade: 18 mm
Handle: ergonomic, impact-resistant plastic body (ABS)

type	article-no.
ABS plastic handle	070100000218

Packing unit: 24 pcs / display



SOFTGRIP 2K premium knife

With automatic blade retraction, fully galvanized blade channel and built-in blade braker.
Blade: 9 mm
Handle: ergonomic, 2-components, non-slip

type	article-no.
SOFTGRIP 2K 9 mm	070190800010

Packing unit: 1 pc / blister



SOFTGRIP 2K universal knife

Universal knife with automatic blade retraction, fully galvanized blade channel, built-in blade braker. **2 spare blades inside.**
Blade: 18 mm
Handle: ergonomic, 2-components, non-slip

type	article-no.
SOFTGRIP 2K 18 mm	070100000118

Packing unit: 24 pcs / display



CUTTER KNIVES

SOFTGRIP PLUS 2K universal knife

Universal knife with automatic blade retraction, fully galvanized blade channel, built-in blade braker. With secure screw locking. **2 spare blades** inside.

Blade: ABRABORO BLACK LABEL SK4 18 mm

Handle: ergonomic, 2-components, non-slip SOFTGRIP

type	article-no.
SOFTGRIP PLUS 2K	070100000318

Packing unit: 24 pcs / display



SILVER CUT knife

Universal knife with automatic blade retraction, fully galvanized blade channel, built-in blade braker.

Blade: 18 mm

Handle: heavy 135 g die-casting aluminium, ergonomic, non-slip

type	article-no.
SILVER CUT	070100000018

Packing unit: 24 pcs / display



SOFTGRIP SAFE 2K safety knife

Full automatic blade retraction, integrated blade magazine and **2 spare blades**. Fast and easy blade change, no tools are required for blade change.

Length: 170 mm

Blade: trapezium SK4 premium

Handle: ergonomic, easy to hold, non-slip 2-component

type	article-no.
SOFTGRIP SAFE 2K	070100000418

Packing unit: 1 pc



Professional metal body carpenter knife

Solid metal body with integrated blade storage.

Belt placing possible thanks to plastic belt clip.

5 pcs spare blades inside.

Blade: Trapezium or hook blades

type	article-no.
Hook knife	070100000518

Packing unit: 1 pc

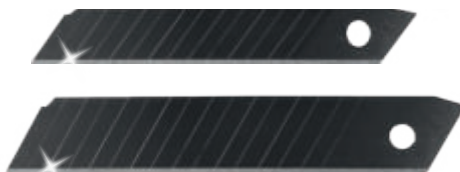
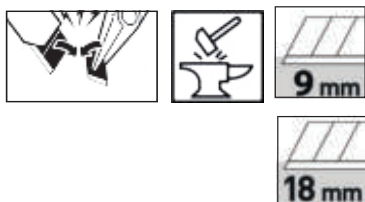


BLADES

ABRABORO® BLACK LABEL SK4

Extremely sharp blade for precision cuts.
Manufactured from SK4 premium steel.

width: 18 mm length: 100 mm, 15 pre-cut sections
width: 9 mm length: 80 mm 13 pre-cut sections



size (mm)	article-no.
9	070190900010
18	070100003018

Packing unit: 10 pcs / pack
20 pack / display



ABRABORO® profi SK5

Made from SK5 steel.
Length: 100 mm, 15 pre-cut sections



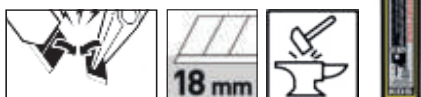
size (mm)	article-no.
18	070100001018

Packing unit: 10 pcs / pack
10 pack / box



ABRABORO® POWER BLACK Evolution SK2

High quality blade made in Japan.
High tempered for maximum sharpness and durability,
extremely sharp cutting edges due to double 2-phase grinding.
Length: 100 mm, 8 pre-cut sections



size (mm)	article-no.
18	070100002018

Packing unit: 10 pcs / pack



Made in Japan

ABRABORO® trapez utility blades for SOFTGRIP 2K safety knives

Premium quality, produced from SK4 steel, black coloured.



size (mm)	article-no.
19 x 59 x 0,6	070100003019

Packing unit: 10 pcs / pack

ABRABORO® hook blade

For our professional metal body carpenter knife
Forged from premium steel
Silver



size (mm)	article-no.
48 x 18 mm	070100005018

Packing unit: 10 pcs / pack

SAWING TOOLS



CIRCULAR SAW BLADES

Applications:

	plywood, hard wood, chipboard		wood with metal residues		laminate coated, parquet		green wood		brick
	steelpipes, steelprofiles		sheet metals		non-ferrous metals		aluminium		concrete
	stainless steel		plastic		glass fibre reinforced products		sandwich materials		window frame
	gas-formed concrete		gypsum board		rubber		insulation material		long lifetime
	glass		leather		ice/frozen food		bones		90° cut

ABRABORO® circular saw blades

High quality saw blades with TCT teeth for various materials.

Suitable for Bosch, AEG, Hitachi, Makita, Kress, Holz-Her, Fein, Festo, Elu, Metabo, Skil, Peugeot, former Balck & Decker, DeWalt, Elektra-Beckum, etc. machines.



size D x width x hole (mm)	BASIC quick cut - wood / plastic		PROFI universal - wood / metal / plastic		PREMIUM fine cut - wood / plastic	
						
	TCT teeth	article-no.	TCT teeth	article-no.	TCT teeth	article-no.
130 x 2,4 x 16	12	070846501301			36	070846701301
140 x 2,4 x 20/16	12	070846501402			42	070846701401
150 x 2,6 x 30/20	20	070846501532	24	070846601501	48	070846701501
160 x 2,6 x 20/16	20	070846501622	24	070846601601	48	070846701601
170 x 2,6 x 30/20	22	070846501703			52	070846701701
180 x 2,6 x 30/20	22	070846501802	30	070846601801	56	070846701801
184 x 2,8 x 16	22	070846501841	30	070846601841	56	070846701841
190 x 2,8 x 30	30	070846501903	30	070846601901	56	070846701901
190 x 2,8 x 20/16	30	070846501902	30	070846601902	56	070846701902
200 x 2,8 x 30/25	30	070846502033	30	070846602001	56	070846702001
210 x 2,8 x 30/25	30	070846502133	34	070846602101	64	070846702101
230 x 3,0 x 30	20	070846502334	34	070846602301	64	070846702301
250 x 3,2 x 30/25/20	24	070846502532	42	070846602501	80	070846702501
300 x 3,2 x 30	28	070846503028	20	070846603020	48	070846703048
300 x 3,2 x 30					96	070846703096
350 x 3,5 x 30	32	070846503532	24	070846603524	54	070846703554
400 x 3,5 x 30	36	070846504036	28	070846604028	60	070846704060
450 x 3,8 x 30	40	070846504540	32	070846604532		

Packing unit: 1 pc

SAW BLADES

ABRABORO® Reciprocating saw blades

Professional sawblades for various materials.

Suitable for Bosch, Black & Decker, DeWalt, FLEX, Hitachi, Makita, Metabo, Skil, etc. machines.

Material: CV = Chrome-Vanadium

bi = bi-metal



Packing unit: 5pcs / pack



ABRABORO® type	BOSCH type	material	working length (mm)	toothing tpi/"	applications	article-no.
3021/150	S644D	HCS/CV	130	6		070812215000
3021/225		HCS/CV	205	6		070812275200
3021/300	S1344D	HCS/CV	300	6		070812230000
3021/400		HCS/CV	380	6		070812240000



3021/150	S611DF	bi	130	6		070812265000
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3025/150		HCS/CV	130	6		070812415000
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3026/275		HCS/CV	275	6		070812280000
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3029/150		HCS/CV	130	4-5		070812522001
3029/240	S1531D	HCS/CV	205	4-5		070812522000
3029/300		HCS/CV	300	4-5		070812930000

SAW BLADES



ABRABORO® type	BOSCH type	material	working length (mm)	toothing tpi/"	applications	article-no.
3039/300		CV	300	6		070812930000



3013/150	S922BF	bi	130	14		070814615000
3013/200	S1122BF	bi	180	14		070814620000
3013/250		bi	230	14		070814625000



3018/280		bi	260	10		070814828000
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3014/150	S922BF	bi	130	18		070814415000
3014/200	S122EF	bi	180	18		070814420000
3014/280		bi	260	18		070814428000



3016/150		bi	130	14		070814315000
3016/225		bi	205	10-14		070814322000

SAW BLADES



ABRABORO® type	BOSCH type	material	working length (mm)	toothings tpi/"	applications	article-no.
810C/150		bi	130	8-10		070813615000

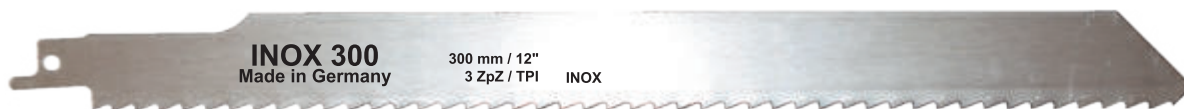


1014C/150	S922VF	bi	130	6		070813515000
1014C/225		bi	205	10-14		070813522000



TCT 305		HCS	250	2		070816230000
TCT 455		HCS	400	2		070816240000

Packing unit: 1 pc / pack



INOX 300		inox	300	12		070816930000
INOX 400		inox	400	16		070816940000

Packing unit: 1 pc / pack



HSS Bi-Cobalt hacksaw blade		bi-metall	300	24		070850235000
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Packing unit: 5 pcs / pack

SAW BLADES

ABRABORO® jigsaw blades



Bosch type: Suitable for Bosch, AEG, Atlas-Copco, ELU, Holz-Herr, Metabo, FLEX, Makita, Festo and Dewalt machines.



ABRABORO® type	BOSCH type	working length / tooththing (mm)	applications	X-Pack (5 pcs/pack) article-no.	XXL-Pack (100 pcs/pack) article-no.
HC 12	T 101B	75/2,5		070821100001	070821100099
HC 12 bi	T 101BF	75/2,5		070821110001	
HC 12R	T 101BR	75/2,5		070821140001	070821145000
HC 123 STAR	T 234X	91/2,5		070821150001	
HC 19R bi	T 101 AIF	60/1,9		070821040001	
HC 12K	T 101AO	50/1,35		070821130001	
HC 12K 100		100/1,35		070821130002	
HC 14	T 101D	75/4,0		070821700001	070821700099
HC 32		105/2,5		070821200001	
HG 13	T 111C	75/3,0		070822800001	070822800099
HGS 14	T 144D	75/4,0		070823600001	070823600099
HGS 24	T 244D	75/4,0		070823700001	
HGS 34	T 344D	105/4,0		070823800001	
HGS 54	T 744D	155/4,0		070823900001	
HC 34D		105/4,0		070821820001	
MG 1014 bi	T 111 HF	75/1,8-2,5		070826215001	
MG 11	T 118A	55/1,2		070825500001	070825500099
MG 11 bi	T 118AF	55/1,2		070825510001	
MG 107	T 118G	55/0,7		070825200001	
MG 21	T 218A	55/1,2		070825600001	
MG 31 bi	T 318A	105/1,0		070825710001	
MG 51 bi	T 718BF	155/1,0		070825750001	
MG 12	T 118B	55/2,0		070826500001	
K 14	T 127D	75/3,0		070827600001	
HWL 54	T 313AW	130		070824200001 /1 pc	
D 1	T 130 RIFF	54		070828800001 /1 pc	
Sortiment 2000 (HC 12, HG 13, HGS 14, MG 11, MG 12)			5 pcs különböző lap fémhez/fához	070828600001	



Black & Decker type

ABRABORO® type	BOSCH type	working length/tooththing (mm)	applications	X-Pack (5 pcs/pack) article-no.	XXL-Pack (100 pcs/pack) article-no.
UHC 12	A 5035	75/2,5		070841100001	070841105009
UHC 14	A 5037	75/4,0		070841700001	
UHGS 14		75/4,0		070843600001	
UHGS 34		105/4,0		070843800001	
UMG 11	A 5036	55/1,2		070845500001	



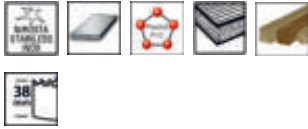
HOLE SAWS

ABRABORO® HSS-Co hole saws

Manufactured from 8% cobalt alloyed HSS-steel. Special Combo-toothing 4-6 tpi for rapid sawing progress. For hand- and stand drilling machines.

Finish: white

Suitable for clean, circular and precise holes in wood, gypsum board, plastics, non-ferrous metals, aluminium, steel and stainless steel.



D (mm)	article-no.	D (mm)	article-no.
14	070830014000	68	070830068000
16	070830016000	70	070830070000
17	070830017000	73	070830073000
19	070830019000	76	070830076000
20	070830020000	79	070830079000
21	070830021000	83	070830083000
22	070830022000	86	070830086000
24	070830024000	89	070830089000
25	070830025000	92	070830092000
27	070830027000	95	070830095000
29	070830029000	98	070830098000
30	070830030000	102	070830102000
32	070830032000	105	070830105000
35	070830035000	108	070830108000
38	070830038000	114	070830114000
40	070830040000	121	070830121000
41	070830041000	127	070830127000
44	070830044000	140	070830140000
46	070830046000	152	070830152000
48	070830048000	160	070830160000
51	070830051000	168	070830168000
54	070830054000	177	070830177000
57	070830057000	200	070830200000
60	070830060000	210	070830210000
64	070830064000	235	070830235000
65	070830065000	250	070830250000
67	070830067000		

Packing unit: 1 pc / blister

HSS-Co hole saw sets



type	article-no.
plumber set, 10 pcs: D 19 22 32 35 40 51 64 mm + 2 pcs adapter (ZE 2/ZE 5)	070830500000
electrician set, 10 pcs: D 22 35 38 44 51 68 76 mm + 2 pcs adapter (ZE 2/ZE 5)	N°1 070830510000
14 pcs: D 19 22 25 32 35 38 44 51 57 64 68 76 mm + 2 pcs adapter	N°2 070830520000

HOLE SAWS

ABRABORO® HSS-Co premium hole saw BLUE STAR

- premium quality hole saw
- 8% cobalt content in high performance HSS steel, optimal drilling quality, long-life
- precise and calm work



Suitable for steel, stainless steel, thin steel sheets.

Compatible with our ZE 2 and ZE 5 adapters.



D (mm)	article-no.
14	070901400000
16	070901600000
17	070901700000
19	070901900000
20	070902000000
21	070902100000
22	070902200000
24	070902400000
25	070902500000
27	070902700000
29	070902900000
30	070903000000
32	070903200000
35	070903500000
38	070903800000
40	070904000000
44	070904400000
51	070905100000
54	070905400000
57	070905700000
65	070906500000
68	070906800000
73	070907300000
83	070908300000
92	070909200000
102	070910200000
114	070911400000
121	070912100000

Packing unit: 1 pc / box

Hole saw accessories



type	article-no.
ZE 2 hex shank adapter → D 14,0 mm-D 30,0 mm	070830302000
ZE 5 quick release adapter → D 32,0 mm-D 250,0 mm	070830305000
ZE 6 SDS Plus adapter → D 14,0 mm-D 30,0 mm	070830306000
ZE 7 SDS Plus adapter → D 32,0 mm-D 250,0 mm	070830307000
ZEB 1 pilot drill, HSS-G length: 90 mm	070830410000
ZEB 2 pilot drill, HSS-G length: 110 mm	070830411000

Packing unit: 1 pc / blister

HOLE SAWS

ABRABORO® TCT universal hole saws

Multi application, e.g. for sanitation and central heating pipes, wall sockets, ventilation pipes. For hand- and stand drilling machines.

Finish: white

Suitable for all types of wood, chipboard, gypsum board, fermacell, plastics, glass and carbon fibre reinforced products (GRP), brickwork, gas-formed concrete



D (mm)	article-no.
16	070831016000
19	070831019000
20	070831020000
22	070831022000
25	070831025000
27	070831027000
29	070831029000
30	070831030000
32	070831032000
35	070831035000
38	070831038000
40	070831040000
44	070831044000
51	070831051000
54	070831054000
57	070831057000
60	070831060000
64	070831064000
65	070831065000
67	070831067000
68	070831068000
70	070831070000
73	070831073000
76	070831076000
80	070831080000
82	070831082000
92	070831092000
102	070831102000
105	070831105000
114	070831114000
125	070831125000

Packing unit: 1 pc / blister

Hole saw accessories



type	article-no.
ZE 11 hex shank adapter → D 14,0-30,0 mm (for wood)	070831300110
ZE 14 quick release adapter → D 32,0-125,0 mm (ZEB 2, for wood)	070831300140
ZEB 2 pilot drill HSS-G length: 110 mm	070830411000
ZE 15 SDS Plus adapter → D 32,0-125,0 mm (ZEB 12, for gypsum board, brick)	070831300150
ZEB 12 pilot drill HM length: 110 mm	070831301200
Extension for adapter length: 300 mm (for ZE 11, ZE 14 hex adapter)	070830401000

Packing unit: 1 pc / blister

TCT universal hole saw sets



type	article-no.
plumber set , 10 pcs: D 19 22 32 35 40 51 64 mm + 2 pcs adapter (ZE 11/ZE 14)	070831500000
electrician set , 10 pcs: D 22 35 38 44 51 68 76 mm + 2 pcs adapter (ZE 11/ZE 14)	070831510000
14 pcs : D 19 22 25 32 35 38 44 51 57 64 68 76 mm + 2 pcs adapter	070831520000

SAFETY GLASSES



SAFETY GLASSES

Premium quality, modern- sporty design, light and comfortable to wear

1. Class optical lenses / According to norms EN 166, EN 170, EN 172

Packing unit; 1 pc / box

Safety glasses with prescription lenses - For perfect vision in demanding working conditions

Available in 5 graduations with Polycarbonate, anti-fog treated, lenses. Modern- sporty design, transparent grey body and 180 degrees, all round protection.



dioptria	article-no.
+0,0	090110000006
+1,0	090110000001
+1,5	090110000002
+2,0	090110000003
+2,5	090110000004
+3,0	090110000005

Transparent safety glasses, basic

- very light
- polycarbonate lenses with UV filter
- fog and abrasion resistant
- sporty design

article-no.

090100000003



Transparent safety glasses, large

- allows use with your prescription glasses below
- comfortable, extremely surrounding
- polycarbonate lenses with UV filter
- fog and abrasion resistant

article-no.

090100000001



Welding safety glasses

- filtered for gas welding
- comfortable, extremely surrounding
- extremely light for best comfort
- side air intakes to create cooling

article-no.

090100000008



Mirror safety glasses

- microfiber cover
- comfortable, extremely surrounding
- solar, mirrored, polycarbonate lenses with UV filter
- fog and abrasion resistant
- nose pad for additional comfort

article-no.

090100000005



SAFETY GLASSES

High visibility safety glasses, Pro

- comfortable, extremely surrounding
- adjustable temples
- yellow, interchangeable polycarbonate lenses with UV filter
- fog and abrasion resistant

article-no.

090100000006



High visibility safety glasses, Premium

- microfiber cover
- comfortable, extremely surrounding
- yellow, polycarbonate lenses with UV filter
- fog and abrasion resistant
- nose pad for additional comfort

article-no.

090100000007



Transparent safety glasses, Pro

- comfortable, extremely surrounding
- frame with internal extractable foam for perfect fit
- polycarbonate lenses with UV filter
- fog and abrasion resistant
- maximum support thanks to removable elastic band

article-no.

090100000002



Transparent safety glasses, Premium

- microfiber cover
- comfortable, extremely surrounding
- polycarbonate lenses with UV filter
- fog and abrasion resistant
- nose pad for additional comfort

article-no.

090100000004



Cord for glasses

article-no.

090100000111



Glass display



content

1 pc Display

1 pc Transparent safety glasses, large

1 pc Welding safety glasses

1 pc High visibility safety glasses, Pro

1 pc Transparent safety glasses, basic

1 pc Prescription safety glasses, + 1,00

1 pc Prescription safety glasses, + 1,50

1 pc Prescription safety glasses, + 2,00

1 pc Prescription safety glasses, + 2,50

Other displays are also available upon request!

ABRABORO® TRADEMARK

ABRABORO® - is a registered trademark in Europe

Registration number: 003734779

Please visit our website at: www.abraboro.com



ABRABORO Ltd

H-2000 Szentendre, Galamb Jozsef street 5. HUNGARY

www.abraboro.com

VAT-No.: HU 12105360

Registration-No.: 13-09-222105



BANK ACCOUNT NUMBERS:

For payments in **EUR**:

LBBW (Landesbank Baden-Württemberg)
Stuttgart, Germany
IBAN: DE24 6005 0101 0001 1676 98
Account-no. 1167698
BIC/SWIFT: SOLADEST600

For payments in **USD**:

ERSTE BANK HUNGARY ZRT
Budapest, Hungary
IBAN: HU65 1160 0006 0000 0000 0570 5463
Account-no. 11600006-00000000-05705463
BIC/SWIFT: GIBAHUHB

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TERMS OF SALE AND DELIVERY

The following terms of delivery are considered as agreed upon at order placement. Deviating agreements should only obtain validity by our written confirmation. The deviating agreements shall not rescind the remaining terms of sale and delivery.

Quotation and Conclusion of Contract

Our quotations shall be without engagement. Contracts and other agreements shall only become binding through our written confirmation or our performance. All agreements between us and our customers shall be concluded in writing at conclusion of contract. Agreements made between our employees or representatives and our customers during or subsequent to contract conclusion will only become valid with our written confirmation. Supplements, modifications or additional agreements require always the written form. This also applies to rescinding the requirement of the written form.

Delivery Commitment

The customer's unconditional creditworthiness is a requirement for delivery commitment. Should the terms of payment not be adhered to or circumstances become known which seriously put the customer's creditworthiness into question, all pending receivables will not be sent. If nothing else has been agreed upon in writing, orders on call must be purchased within three months of the contractual deadline, without us having to send a reminder containing an explicit purchase deadline. After these three months have expired, we will be entitled to either invoice the goods or cancel the order. Disruptions and force incidents entitle us to extend the agreed delivery period for the duration of the operative disruption and a reasonable start-up period. As the case may be our delivery commitments may also be revoked partially or completely. This also applies if it has become impossible for us to deliver at no fault of ours. Compensation claims of any kind resulting from late delivery are rejected.

Delivery Period

The delivery period shall be deemed as adhered to if readiness for shipment has been notified or the object of delivery has left the manufacturing company before expiry of the delivery period. The deadline mentioned in the order confirmation is without engagement unless a separate written delivery affirmation has been issued.

Prices

Our prices are based on the calculation documents applicable, at the time of order acceptance. Deliveries which are performed later than three months after contract agreement entitle us to adjust the prices by maximally 10 %, e.g. in case of wage increases or increases in material prices or inflation.

Transport

The choice of the route or means of transport is made according to best judgement with no liability for the cheapest route. As far as particular specifications have been provided to us, shipping shall proceed accordingly. The risk of transport shall in any case be borne by the receiver, even if delivery „free at destination“ or FOB a ship have been agreed. On departure from our stock the goods will be regarded as delivered according to agreement, even if they are delivered directly to third parties.

Reservation of Title

We reserve the title for the delivered goods until all our rightful claims resulting from our mutual business relations have been fulfilled. The customer may neither pledge the goods which are in our property, nor convey them as collateral to third parties. On the seizure of goods which are our property the customer shall be committed to notify us of this immediately and furthermore present us with the seizure documents as well as an affidavit showing that the goods are our property. The expenses for a possible required intervention are to be worn by the customer. The customer is entitled to resell the delivered goods in the regular course of business. In case of a resale, the customer's claim towards the sub purchaser, which is already considered as assigned to us up to the amount of our total receivables. The customer is entitled to collect the receivables until such title is revoked. Upon request the customer is committed to notify the garnishees of such assignment and disclose to us any information and hand out any documents to us required in order to protect our rights. The assignment of the receivables expire as soon as the customer has honoured the debt resulting from the purchase price and/or all debt resulting from the current business relation. Should reservation of title or assignment be invalid according to the jurisdiction in the area where the goods are located, the collateral ensuring reservation of title and assignment which applies in that area shall be considered to have been agreed upon. Should the customer's cooperation be necessary for the creation of such rights, customer shall be committed to take all measures required in order to constitute and preserve such rights.

Payment

Our respective terms are applicable to payment. Deductions of any kind without a respective agreement are prohibited. On exceeding the payment deadline default, interests will be charged as of the due date, subject to any claim for further default damages. The charged default interest rate is 8 %. In the event that the customer enters into default with their payment, we have the right to demand immediate payment of all areas including those which have not yet entered into default, or release the delivered goods until complete payment of receivables.

Warranty

Complaints concerning quantity and quality can only be accepted and examined if made in written form within 14 days after arrival of the goods at the place of destination. Goods which we acknowledge as being defective will be taken back and replaced. Any additional claims by the customer will not be recognised by us.

Place of Performance and Jurisdiction, Language

Place of performance is 2000 Szentendre, Hungary. Place of jurisdiction - notwithstanding the amount of the subject - shall be Pest/Hungary district court. Hungarian Law is prevailing. Contract language is Hungarian. In case of dissent the Hungarian version shall prevail.

Severability Clause

Should any provision of this agreement be or become invalid, ineffective or unenforceable, the validity, effectiveness and enforceability of the remaining provisions are not to be affected thereby. In such event a provision must be found that comes as closest to the legally permitted economic intent and purpose of what the parties had or would have intended, had they considered the aspect.

This image shows a full page of a document template. It consists of approximately 30 evenly spaced horizontal dotted lines across the entire width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings present.