

Drilling tools



Twist drills, ground

Twist drills DIN 338/HSS type N

point angle 118°, spiral angle 25 - 35°, Ø-tolerance h 8, of HSS, for drilling of steel, steel-casting alloyed and unalloyed up to approx. 900 N/mm² strength grey- and tempered casting, sinter iron, newsilver, graphit, alu-alloy, bronze and brass

Packaging unit in blister pack:

0,5 - 3,0 mm; 1 SPU = 3 pieces
3,2 - 6,0 mm; 1 SPU = 2 pieces
6,5 - 13,0 mm; 1 SPU = 1 piece

xxxxx/CO = Cobalt

Packaging unit in blister pack:

1,0 - 3,0 mm; 1 SPU = 2 pieces
3,2 - 13,0 mm; 1 SPU = 1 piece



Art. no.	Ø	core-hole	SL	TL	VE
230010	0,5		6	22	1
230020	1		12	34	1
230020/CO					1
230030	1,5		18	40	1
230030/CO					1
230032	1,6	M2	20	43	1
230032/CO					1
230040	2		24	49	1
230040/CO					1
230050	2,5	M3	30	57	1
230050/CO					1
230060	3		33	61	1
230060/CO					1
230064	3,2		36	65	1
230064/CO					1
230066	3,3	M4	36	65	1
230066/CO					1
230070	3,5		39	70	1
230070/CO					1
230080	4		43	75	1
230080/CO					1
230084	4,2	M5	43	75	1
230084/CO					1
230090	4,5		47	80	1
230090/CO					1
230100	5	M6	52	86	1
230100/CO					1
230110	5,5		57	93	1
230110/CO					1
230120	6	M7	57	93	1
230120/CO					1
230130	6,5		63	101	1
230130/CO					1
230136	6,8	M8	69	101	1
230136/CO					1
230140	7		69	109	1
230140/CO					1
230160	8		75	117	1
230160/CO					1
230170	8,5	M10	75	117	1
230170/CO					1
230180	9		81	125	1
230180/CO					1
230190	9,5		81	125	1
230190/CO					1
230200	10		87	133	1
230200/CO					1
230204	10,2	M12	87	133	1
230204/CO					1
230210	10,5		87	133	1
230210/CO					1

Art. no.	Ø	core-hole	SL	TL	VE
230220	11		87	133	1
230220/CO					1
230230	11,5		94	142	1
230230/CO					1
230240	12	M14	101	151	1
230240/CO					1
230244	12,5		101	151	1
230244/CO					1
230250	13		101	151	1
230250/CO					1

Twist drills DIN 338/HSS type N

made from high power steel, in plastic pocket

Technical information:

Standard version: Industrial quality, dressed to size from solid material, high true tuning precision, long tool life, cutter separate packet in plastic bags or as a set in a box.

/PB: as beside

/R: workshop quality, wheeled milled

/TIN: as beside, titanium nitride coating



Art. no.	Ø	set	kg	PU
230312	1 - 10	19-pieces	0,312	1
230312/R	1 - 10		0,284	1
230312/TIN	1 - 10		0,345	1
230314	1 - 13	25-pieces	1,270	1
230314/R	1 - 13		1,213	1
230314/TIN	1 - 13		1,290	1

Bulk storage chest for twist drills

HSS, DIN 338, 170 pieces, TYP N, short, ground, bright, with split point, TIN coated.

Contents: 1.0 - 10.0 mm (upstairs in 0.5 mm steps)
up to 8,0 mm 10 pieces/size
> 8,5 mm 5 pieces/size



Art. no.	set	kg	PU
230301/TIN	170-pieces	4,550	1

Drills

Auger bit, type Lewis



Art. no.	TL	Ø	kg	PU
231502	460	6	0,005	1
231508	235	10	0,098	1
231516	235	14	0,005	1
231524	235	18	0,200	1
231526	460	18	0,468	1
231528	235	20	0,005	1
231530	460	20	0,005	1
231532	235	22	0,300	1
231534	450	22	0,642	1
231540	235	26	0,005	1
231544	235	28	0,005	1
231546	460	28	0,005	1

Drill type machine bits for wood

made from carbon steel, concentrically ground, with centre point and front cutter



Art. no.	TL	Ø	kg	PU
230616	70	3	0,005	1
230618	80	4	0,008	1
230620	90	5	0,011	1
230622	100	6	0,015	1
230626	120	8	0,031	1
230628	130	9	0,039	1
230630	137	10	0,047	1
230634	150	12	0,075	1
230636	170	13	0,088	1

Flat bits

with flat cutter head, square shank, DIN 6447 A



Art. no.	TL	Ø	shank	kg	PU
230732	150	10	6	0,041	1
230734	150	12	6	0,041	1
230736	150	14	6	0,048	1
230738	150	16	6	0,051	1
230740	150	18	6	0,047	1
230742	150	20	6	0,045	1
230746	150	24	6	0,045	1

Casing drill

With cylindrical clamping shaft, cutting element made of chrome vanadium steel



Art. no.	TL	Ø	kg	PU
231750	400	6	0,100	1
231752	400	8	0,005	1
231754	400	10	0,160	1
231756	400	12	0,200	1
231758	400	13	0,200	1
231760	400	17	0,005	1
231766	400	22	0,200	1

Drills

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket



Art. no.	TL	Ø	CL	kg	PU
230330	70	3	40	0,003	1
230331	75	3,5	45	0,056	1
230332	80	4	45	0,008	1
230334	85	4,5	50	0,008	1
230336	90	5	50	0,011	1
230338	95	5,5	55	0,012	1
230340	100	6	60	0,018	1
230342	105	6,5	65	0,018	1
230344	110	7	65	0,018	1
230346	120	8	70	0,027	1
230352	140	10	90	0,035	1
230354	150	11	95	0,082	1
230356	160	12	105	0,090	1
230358	170	13	110	0,100	1
230360	180	14	115	0,120	1
230362	190	15	125	0,165	1
230364	190	16	125	0,092	1

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket



Art. no.	TL	Ø	CL	kg	PU
230370	400	8	300	0,130	1
230372	400	10	300	0,124	1
230374	400	12	300	0,143	1
230376	400	14	300	0,316	1
230378	400	16	300	0,232	1
230380	400	18	300	0,460	1
230382	400	20	300	0,608	1
230400	600	8	500	0,222	1
230402	600	10	500	0,222	1
230404	600	12	500	0,330	1
230406	600	14	500	0,463	1
230408	600	16	500	0,568	1
230410	600	18	500	0,715	1
230412	600	20	500	0,896	1
230414	600	22	500	1,164	1

Masonry drill bit

High-Helix Masonry drill bit, sand blasted, countersink construction, professional quality



Art. no.	TL	Ø	kg	PU
231700	70	3	0,007	1
231702	85	4	0,011	1
231704	95	5	0,017	1
231706	100	6	0,018	1
231708	100	7	0,020	1
231710	120	8	0,027	1
231712	120	9	0,030	1
231714	120	10	0,035	1
231716	150	11	0,090	1
231718	150	12	0,100	1

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SDS hammer drill bits

Top quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system



Art. no.	TL	Ø	CL	kg	PU
230430	110	5	50	0,037	1
230431	160	5	100	0,042	1
230432	110	5,5	50	0,037	1
230433	160	5,5	100	0,045	1
230434	110	6	50	0,039	1
230436	160	6	100	0,045	1
230438	110	6,5	50	0,038	1
230438/A	160	7	100	0,050	1
230438/B	160	6,5	100	0,047	1
230440	110	7	50	0,041	1
230442	110	8	50	0,046	1
230442/A	160	8	100	0,056	1
230444	210	8	150	0,064	1
230444/A	460	8	400	0,150	1
230448	160	10	100	0,065	1
230450	210	10	150	0,087	1
230450/A	260	10	150	0,118	1
230451	460	10	400	0,192	1
230453	210	12	150	0,107	1
230454	160	12	100	0,097	1
230456	260	12	200	0,159	1
230457	460	12	400	0,263	1
230458	160	13	85	0,111	1
230459	600	12	540	0,286	1
230460	160	14	100	0,087	1
230460/A	260	14	200	0,171	1
230461	460	14	400	0,257	1
230464	210	16	150	0,197	1
230466	460	16	400	0,418	1
230467	600	14	540	0,339	1
230473	600	16	540	0,561	1
230474	210	20	150	0,246	1
230475	460	18	400	0,475	1
230478/1	600	10	540	0,270	1
230395	460	20	400	0,585	1
230396	600	20	540	0,737	1
230397	460	22	400	0,669	1
230398	460	25	400	0,998	1

SDS-Nut-hammer drill sets

Contents: 5, 6, 8 x 110 / 6, 8, 10, 12 x 160



Art. no.	set	kg	PU
230479	7-pieces	0,679	1

SDS hammer drill bits

Workshop quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system



Art. no.	TL	Ø	CL	kg	PU
230900	110	5	50	0,036	1
230902	160	5	100	0,042	1
230904	110	5,5	50	0,036	1
230906/1	160	5,5	100	0,043	1
230908	110	6	50	0,040	1
230910	160	6	100	0,045	1
230912	110	6,5	50	0,041	1
230914	160	6,5	100	0,045	1
230916	110	7	50	0,040	1
230918	160	7	100	0,045	1
230920	110	8	50	0,045	1
230922	160	8	100	0,055	1
230924	210	8	150	0,067	1
230926	160	10	100	0,068	1
230928	210	10	150	0,095	1
230930/1	260	10	150	0,107	1
230932	450	10	400	0,155	1
230934	600	10	540	0,365	1
230936	260	11	210	0,070	1
230938	160	12	100	0,077	1
230940	210	12	150	0,106	1
230942	310	12	260	0,120	1
230944	460	12	400	0,250	1
230946	600	12	540	0,315	1
230948	160	13	100	0,085	1
230950	160	14	100	0,200	1
230952	260	14	210	0,250	1
230954/1	460	14	400	0,300	1
230956	600	14	540	0,365	1
230958	160	15	100	0,120	1
230960	210	16	150	0,195	1
230962/1	460	16	400	0,346	1
230964	600	16	540	0,418	1
230966	200	18	140	0,180	1
230968	460	18	400	0,395	1
230970	210	20	150	0,221	1
230972	310	20	250	0,383	1
230974	460	20	400	0,503	1
230976	460	22	400	0,583	1
230978	460	25	400	0,753	1

SDS-hammer drill sets

Contents: 5, 6 x 110, 6, 8, 10 x 160



Art. no.	set	kg	PU
230979	5-pieces	0,261	1

Step drills

Combination step drills/HSS

for metric PG rough thread-through-hole and core-hole-drillings, 6 drilling diameters for core-hole with 5 mm step for sheet metal up to max. 6 mm.
Through-hole: 8,5 - 12,5 - 16,5 - 20,5 - 25,5 - 32,5 - 40,5 mm
core-hole: 10,5 (M12) - 14,5 (M16) - 18,5 (M20) - 23,5 (M25) - 30,5 (M32) - 38,5 (M40)



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231319	12	8,5	40,5	0,269	1

Step drills /HSS

Special type for electric assembly, for sheet metal up to max. 4 mm gauge, for metric thread through-hole drilling, 8,5 - 12,5 - 16,5 - 20,5 - 25,5 - 32,5 - 40,5 mm



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231324	12	8,5	40,5	0,199	1

Step drills /HSS

thickness up to max. 6 mm, for metric core-hole-drilling, 8,5 - 10,5 - 14,5 - 18,5 - 23,5 - 30,5 mm



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231326	12	8,5	30,5	0,208	1



Step drills /HSS

special type for electric assembly, for sheet steel up to 4 mm thickness, for amoured conduit thread sizes



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231320	12	7	40	0,237	1
231322	10	7	21	0,151	1

Step drills /HSS

for mechanical engineering and tinsmith working, with 2 cutters, metric



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231336	6	4	12	0,027	1
231338	9	12	20	0,079	1
231340	12	20	30	0,203	1
231342	12	30	40	0,371	1
231350	6	4	12	0,027	1
231352	8	4	20	0,059	1
231354	10	6	30	0,162	1

Step drills assortment/HSS

3 pieces, for mechanical engineering and tinsmith working, with 2 cutters.

Contents:

Ø 4 - 12 mm, Ø 12 - 20 mm, Ø 20 - 30 mm



Art. no.	Ø	set	kg	PU
231327	4 - 30	3-pieces	0,597	1

Rotary guide value for step drills/cone drills

Material	unleg. Baustahl < 700 N/mm ² Mild steel < 700 N/mm ²	unleg. Baustahl > 700 N/mm ² Mild steel > 700 N/mm ²	leg. Stahl < 1000 N/mm ² Alloy steel < 1000 N/mm ²	Gußeisen < 250 N/mm ² Cast iron < 250 N/mm ²	Gußeisen > 250 N/mm ² Cast iron > 250 N/mm ²	Edelstahl rostfrei Stainless steel	CuZn Leg. spröde CuZn alloy brittle	CuZn Leg. zäh CuZn alloy tough	AL Leg. < 11% Si Alloy steel < 11% Si	Thermo- plaste Thermo plastic	Duro- plaste Duro plastic	Holz Wood
Materialstärke	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Kühlung	Bohrpaste	Bohrpaste	Bohrpaste	Luft	Luft	Bohrpaste	Luft	Luft	Bohrpaste	H ₂ O	Luft	Luft
Lubricant	Drilling paste	Drilling paste	Drilling paste	Air	Air	Drilling paste	Air	Air	Drilling paste	H ₂ O	Air	Air
Vc = m / min	25	20 - 25	20	15	10	5	60	35	30	20	15	> 40
U/min	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m
Ø mm												
4,0 - 12,0	1900 - 600	1700 - 580	1550 - 520	1190 - 400	800 - 250	400 - 130	4700 - 1550	2750 - 920	2350 - 790	1550 - 520	1190 - 400	3000 - 1000
4,0 - 20,0	1900 - 400	1700 - 350	1550 - 300	1190 - 240	800 - 160	400 - 80	4700 - 950	2750 - 550	2350 - 470	1550 - 300	1190 - 240	3000 - 650
12,0 - 20,0	600 - 400	600 - 350	520 - 300	400 - 240	250 - 160	130 - 80	1550 - 950	920 - 550	790 - 470	520 - 300	400 - 240	1000 - 650
4,0 - 24,0	1900 - 300	1700 - 280	1550 - 250	1190 - 200	800 - 130	400 - 65	4700 - 790	2750 - 460	2350 - 400	1550 - 250	1190 - 200	3000 - 550
6,0 - 30,0	1300 - 250	1200 - 230	1000 - 200	780 - 150	530 - 100	250 - 50	3150 - 630	1850 - 370	1590 - 310	1000 - 200	780 - 150	2100 - 420
20,0 - 30,0	400 - 250	350 - 230	300 - 200	230 - 150	160 - 100	80 - 50	950 - 630	550 - 370	470 - 310	300 - 200	230 - 150	650 - 420
6,0 - 36,0	1300 - 220	1200 - 200	1000 - 170	780 - 130	530 - 90	250 - 45	3150 - 530	1850 - 300	1590 - 260	1000 - 170	780 - 130	2100 - 350
30,0 - 40,0	250 - 200	230 - 180	200 - 150	150 - 120	100 - 80	50 - 40	630 - 470	370 - 280	310 - 240	200 - 150	150 - 120	420 - 310
40,0 - 50,0	200 - 160	180 - 140	150 - 125	120 - 90	80 - 65	40 - 30	470 - 380	280 - 220	240 - 190	150 - 125	120 - 90	310 - 250
50,0 - 60,0	160 - 130	140 - 110	125 - 100	90 - 80	65 - 50	30 - 25	380 - 310	220 - 185	190 - 150	125 - 100	90 - 80	250 - 210

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Cone drills

Cone drills/Aerial drills/HSS

for edgefree drilling of thin material



Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231300	6	3	14	0,027	1
231301	8	6	20	0,055	1
231330	8	6	22,5	0,085	1
231302	10	16	30	0,139	1
231304	12	26	40	0,265	1
231305	10	6	30	0,166	1
231306	12	36	50	0,350	1
231307	13	46	60	0,551	1

Set of cone drills/HSS

3 pieces, in metal box.

1 piece each No. 1, 2, 3 (Ø 3 - 30 mm), suitable for NE material, soft steel sheet, similar to ST 14 - 37, Nirosta steel sheet A 2, for duro or thermo plastic



Art. no.	Ø	set	kg	PU
231312	3 - 30	3-pieces	0,510	1

Screw punches

Screw punches

matching for cable connection acc. the new Euro-Norm EN 50262, with 3 cutting edges for iron sheet up to 2 mm, steel sheet up to 1,5 mm, stainless-steel sheet up to 1,5 mm thickness



Art. no.			screws	kg	PU
180513	metric	ISO 16	180530	0,101	1
180515	metric	ISO 20	180530	0,115	1
180517	metric	ISO 25	180530	0,154	1
180519	metric	ISO 32	180532	0,320	1
180521	metric	ISO 40	180532	0,950	1
180523	metric	ISO 50	180534	0,636	1
180525	metric	ISO 63	180534	0,974	1
180500	PG	PG9	180530	0,097	1
180502	PG	PG11	180530	0,106	1
180504	PG	PG13,5	180530	0,115	1
180506	PG	PG16	180530	0,100	1
180508	PG	PG21	180530	0,176	1
180510	PG	PG29	180532	0,400	1
180512	PG	30,5	180534	0,202	1
180514	PG	PG36	180534	0,590	1
180516	PG	PG42	180534	1,250	1
180518	PG	PG48	180534	0,319	1
180520	PG	1 1/8"	180530	0,250	1

Spare screws

Spare screws for screw punches



Art. no.	size	kg	PU
180530	10 x 1,0	0,048	1
180532	12 x 1,5	0,070	1
180534	16 x 1,5	0,139	1



Rotary guide value for step drills/cone drills

Material	unleg. Baustahl < 700 N/mm ² Mild steel < 700 N/mm ²	unleg. Baustahl > 700 N/mm ² Mild steel > 700 N/mm ²	leg. Stahl < 1000 N/mm ² Alloy steel < 1000 N/mm ²	Gußeisen < 250 N/mm ² Cast iron < 250 N/mm ²	Gußeisen > 250 N/mm ² Cast iron > 250 N/mm ²	Edelstahl rostfrei Stainless steel	CuZn Leg. spröde CuZn alloy brittle	CuZn Leg. zäh CuZn alloy tough	AL Leg. < 11% Si Alloy steel < 11% Si	Thermo- plaste Thermo plastic	Duro- plaste Duro plastic	Holz Wood
Materialstärke Material gauge	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Kühlung Lubricant	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	H ⁰ H ⁰	Luft Air	Luft Air
Vc = m / min	25	20 - 25	20	15	10	5	60	35	30	20	15	> 40
Ø mm	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m
4,0 - 12,0	1900 - 600	1700 - 580	1550 - 520	1190 - 400	800 - 250	400 - 130	4700 - 1550	2750 - 920	2350 - 790	1550 - 520	1190 - 400	3000 - 1000
4,0 - 20,0	1900 - 400	1700 - 350	1550 - 300	1190 - 240	800 - 160	400 - 80	4700 - 950	2750 - 550	2350 - 470	1550 - 300	1190 - 240	3000 - 650
12,0 - 20,0	600 - 400	600 - 350	520 - 300	400 - 240	250 - 160	130 - 80	1550 - 950	920 - 550	790 - 470	520 - 300	400 - 240	1000 - 650
4,0 - 24,0	1900 - 300	1700 - 280	1550 - 250	1190 - 200	800 - 130	400 - 65	4700 - 790	2750 - 460	2350 - 400	1550 - 250	1190 - 200	3000 - 550
6,0 - 30,0	1300 - 250	1200 - 230	1000 - 200	780 - 150	530 - 100	250 - 50	3150 - 630	1850 - 370	1590 - 310	1000 - 200	780 - 150	2100 - 420
20,0 - 30,0	400 - 250	350 - 230	300 - 200	230 - 150	160 - 100	80 - 50	950 - 630	550 - 370	470 - 310	300 - 200	230 - 150	650 - 420
6,0 - 36,0	1300 - 220	1200 - 200	1000 - 170	780 - 130	530 - 90	250 - 45	3150 - 530	1850 - 300	1590 - 260	1000 - 170	780 - 130	2100 - 350
30,0 - 40,0	250 - 200	230 - 180	200 - 150	150 - 120	100 - 80	50 - 40	630 - 470	370 - 280	310 - 240	200 - 150	150 - 120	420 - 310
40,0 - 50,0	200 - 160	180 - 140	150 - 125	120 - 90	80 - 65	40 - 30	470 - 380	280 - 220	240 - 190	150 - 125	120 - 90	310 - 250
50,0 - 60,0	160 - 130	140 - 110	125 - 100	90 - 80	65 - 50	30 - 25	380 - 310	220 - 185	190 - 150	125 - 100	90 - 80	250 - 210

Diamond hollow core cutters

Diamond hollow core cutters

Carrier turned from solid material, suitable for soft materials and brickwork, concrete and artificial stone, takes M 16, without receiving shaft and centre drill, laser-welded, use only without impact



Art. no.	∅	shank	kg	PU
230676	68	-	0,453	1
230677	82	-	0,590	1

Diamond hollow core cutters

shank M 16, with tapered cylindrical drill bit, laser-welded, use only without impact



Art. no.	∅	shank	kg	PU
230676/K	68	SDS-plus	0,672	1
230677/K	82	SDS-plus	0,764	1

Diamond hollow core cutter special

Diamond drill bit for socket outlets with laser welded segments, suitable for soft materials and brickwork, concrete and artificial stone, optimal rotating speed 800 - 1.000 U/min, maximum rotating speed 1.600 - 1.800 U/min, use only without impact



Art. no.	∅	shank	kg	PU
230885/K	68	SDS-plus	0,450	1
230886/K	82	SDS-plus	0,787	1

Drill for Diamond hollow core cutters

tapered shank



Art. no.	TL	∅	kg	PU
230679	120	9	0,044	1

Shank for hollow core cutters, SDS-Plus

SDS-Plus-shank, M 16, conic



Art. no.	TL	shank	kg	PU
230681/K	100	SDS-plus	0,150	1

Hollow core cutters

for tungsten carbide tipped, with centre bit and 100 mm hexagon shank, 12 mm



Art. no.	∅	shank	kg	PU
230661	68	hexagon	0,832	1
230665	82	hexagon	1,158	1
230667	68	SDS-plus	0,827	1
230675	82	SDS-plus	1,079	1

Centre bits with tungsten carbide tipped cutting edge

for tungsten carbide tipped hollow core cutters, cylindrical



Art. no.	TL	∅	kg	PU
230680	120	9	0,038	1

Shank for hollow core cutters, SW 12

hexagon shank, SW 12, for centre bits, cylindrical cutter



Art. no.	shank	kg	PU
230678	hexagon	0,139	1

Shank for hollow core cutters

SDS-Plus-shank, M16, connection thread, cylindrical cutter



Art. no.	TL	shank	kg	PU
230681	100	SDS-plus	0,121	1

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Cutting discs

Diamond cutting blades

laser-welded, high diamond concentration, long life, for the professional works
- Industrial quality -



Art. no.	∅		kg	PU
230689	115		0,100	1
230691	125		0,149	1
230720	135	(FUBAG)	0,193	1
230721	140	(FLEX)	0,219	1
230704	150		0,245	1
230705	180		0,317	1
230706	230		0,700	1
230711	300		1,256	1

Diamond cutting blades

sintered - Profi Quality -



Art. no.	∅		kg	PU
230701	115		0,132	1
230702	125		0,169	1
230708	180		0,339	1
230709	230		0,681	1

Diamond cutting blades, FL tiles

- Profi Quality -, continuous rim. universal application, granite, tiles, ceramics, stone- and marble-flatters



Art. no.	∅		kg	PU
230714	115		0,121	1

Diamond cutting blades, TBM Turbo

- Profi quality -



Art. no.	∅		kg	PU
230722	115		0,120	1
230723	125		0,134	1
230725	230		0,706	1

INFO

Diamond cutting discs

Industrial quality

A new generation for metalworking.

These HAUPA discs can cut **everything but stone!** From iron, stainless steel, PVC etc. through to wood, simply everything. This is a special feature and innovative since these cutting discs are usually only used for cutting stone.

The advantage of these diamond cutting discs compared to an ordinary disc is, above all, the durability, which is 20-40 times the norm! And there is no limit on storage. Ordinary cutting discs will become porous after 2-3 years. HAUPA cutting discs can be stored for a lifetime and beyond. The main arguments in favour of the HAUPA cutting discs are the fact that the diameter is never reduced, there is a much lower incidence of sparks and thus considerably less odour is produced.

All the benefits at a glance:

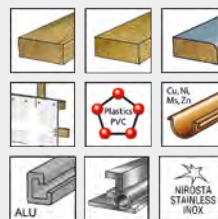
- Versatile scope of application (metal profiles, iron, die cast, steel, steel pipes, wood, Inox, GRP, CFP, polycarbonate, stoneware, fine stoneware)
- Constantly maintained diameter, thus always full cutting depth
- High cutting speed
- High level of durability (20 - 40 times more than normal, depending on materials cut)
- Reduced incidence of sparks
- Reduced odour development
- Unlimited storage times

Diamond cutting disk „Spezial“

Short-toothed vacuum coating of a new generation for metal work. High diamond concentration enables the processing of materials impossible with traditional diamond tools.

- Versatile areas of application (metal profiles, iron, cast, steel, steel pipes, wood, Inox, GRP, CFRP, polycarbonate, masonry, fine masonry)
- High cutting speed
- High stand time
- Reduced spark formation
- Reduced odour development
- Can be stored with no time restrictions
- Constant diameter, thus always full cutting depth

Video 230727



LONG LIFE



Art. no.	∅		kg	PU
230727	115		0,120	1
230731	125		0,134	1



INFO

Hole saws

Industrial quality

The performance of a saw blade depends on the base material quality, the kind of toothing and the tooth geometry. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting all materials.

- Above average concentricity
- Even cutting performance
- Extremely quiet operation even at high speeds
- True diameter
- High resistance even with high loads and torques
- Fast progress thanks to aggressive and permanently sharp cutting performance
- Highest lifetime even with very hard materials such as cast and stainless steel

T.C.T. Hole Saw

High concentricity and smooth cutting through strong construction. Precise and clean cut. Large tungsten carbide inserts for reshaping and long lifetime. Hole saw comes complete with shank, drill bit, ejector spring and allen key. Long lifetime. **Especially for:** Flat materials of steel, cast steel, stainless steel (up to 4 mm), Chrome-nickel Steel (up to 2 mm), non-ferrous metals, glassfibre and carbon-fibre reinforced products (CRP, GRP), epoxy, reinforced textures and sandwich-materials (up to 6 mm).



Art. no.	Ø	ST	Bohrer-Ø	kg	PU
392100	16	12	6,5	0,095	1
392102	20	31	6,5	0,115	1
392104	22	31	6,5	0,135	1
392106	22,5	31	6,5	0,155	1
392108	25	31	6,5	0,175	1
392110	30	31	6,5	0,195	1
392112	32	31	6,5	0,215	1
392114	35	31	6,5	0,235	1
392116	40	31	6,5	0,255	1
392118	50	31	6,5	0,275	1
392120	60	31	6,5	0,295	1

Hollow saws

T.C.T. center drill for hole saw arbors



Art. no.	TL	Ø	kg	PU
392122	100	6,5	0,020	1

Spring for hole saw arbors



Art. no.	spring	kg	PU
392124		0,005	1

T.C.T. Hole Saw Fastcut

Very fast and aggressive cut in wood due to large exhaust slots. **Especially for:** wood materials up to 60 mm.



Art. no.	Ø/Inch	Ø	ST	Bohrer-Ø	kg	PU
231942	3/4	19	50	6,35	0,047	1
231944	7/8	22	50	6,35	0,062	1
231946	1	25	50	6,35	0,077	1
231948	1 1/6	27	50	6,35	0,092	1
231950	1 3/16	30	50	6,35	0,115	1
231952	1 1/4	32	50	6,35	0,122	1
231954	1 3/8	35	50	6,35	0,133	1
231956	1 9/16	40	50	6,35	0,123	1
231958	1 3/4	44	50	6,35	0,144	1
231960	2	51	50	6,35	0,179	1
231962	2 1/8	54	50	6,35	0,198	1
231964	2 3/8	60	50	6,35	0,206	1
231966	2 1/2	64	50	6,35	0,267	1
231968	2 9/16	65	50	6,35	0,279	1
231970	2 11/16	68	50	6,35	0,275	1
231972	2 3/4	70	50	6,35	0,316	1
231973	2 7/8	73	50	6,35	0,296	1
231974	3	76	50	6,35	0,298	1
231976	3 1/8	79	50	6,35	0,379	1
231978	3 1/4	83	50	6,35	0,428	1
231980	4	102	50	6,35	0,591	1
231982	4 1/2	114	50	6,35	0,773	1

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Hollow saws

Bi-Metal Hole Saws 10 tpi

8% Cobalt

Finely toothed, 10 tpi, made of high quality, cobalt-alloyed bi-metal for clean and fast cuts and a long lifetime. Massive back plate ensures a smooth cut and precise holes for threads, cable and pipe lead-throughs. **Especially for:** steel and stainless steel, sheet metal up to 1 mm.



Art. no.	Ø	ST	Bohrer-Ø	kg	PU
392050	16	31	6,5	0,036	1
392052	19	31	6,5	0,039	1
392054	20	31	6,5	0,046	1
392056	21	31	6,5	0,052	1
392058	22	31	6,5	0,055	1
392060	24	31	6,5	0,059	1
392062	25	31	6,5	0,064	1
392064	29	31	6,5	0,070	1
392066	30	31	6,5	0,077	1
392068	32	31	6,5	0,081	1
392070	38	31	6,5	0,092	1
392072	40	31	6,5	0,098	1

Hole saw with edge countersink and board ejector

For setting wall-flush sockets, Ø 68 mm

- Cutting depth 40 mm
- High concentricity
- Specially for plasterboard, softwood, plywood, Fermacell etc.
- 11 mm hexagonal holder
- In plastic box



Art. no.	Ø/Inch	Ø	Bohrer-Ø	ST	kg	PU
231929	2 11/16	68	6,35	35	0,360	1

Bi-Metal Hole Saws 4 - 6 tpi

8% Cobalt

Variable toothing of 4 - 6 tpi and high quality, cobaltalloyed bi-metal for clean and fast cuts and a long lifetime. Massive back plate ensures a smooth cut and precise holes for sockets, threads, cable and pipe lead-throughs. **Especially for:** Wood, gypsum board, plastics, non-ferrous metals, aluminium steel and stainless steel minimum 1 mm. Special cutting depth on request.



Art. no.	Ø/Inch	Ø	ST	Bohrer-Ø	kg	PU
231803	9/16	14	35	6,35	0,036	1
231900	3/4	19	35	6,35	0,036	1
231901/21		21	30	6,5	0,050	1
231902	7/8	22	35	6,35	0,046	1
231904	1	25	35	6,35	0,071	1
231904/29		29	30	6,5	0,050	1
231906	1 1/6	27	35	6,35	0,075	1
231908	1 3/16	30	35	6,35	0,079	1
231910	1 1/4	32	35	6,35	0,085	1
231912	1 3/8	35	35	6,35	0,092	1
231912/38		38	30	6,5	0,050	1
231914	1 9/16	40	35	6,35	0,086	1
231914/46		46	30	6,5	0,050	1
231916	1 3/4	44	35	6,35	0,105	1
231918	2	51	35	6,35	0,133	1
231920	2 1/8	54	35	6,35	0,145	1
231922	2 3/8	60	35	6,35	0,168	1
231924	2 1/2	64	35	6,35	0,192	1
231926	2 9/16	65	35	6,35	0,198	1
231928	2 11/16	68	35	6,35	0,214	1
231930	2 3/4	70	35	6,35	0,223	1
231931	2 7/8	73	35	6,35	0,236	1
231932	3	76	35	6,35	0,253	1
231934	3 1/8	79	35	6,35	0,275	1
231936	3 1/4	83	35	6,35	0,304	1
231938	4	102	35	6,35	0,429	1
231939/111		111	30	6,5	0,050	1
231940	4 1/2	114	35	6,35	0,549	1
231940/127		127	30	6,5	0,050	1
231940/152		152	30	6,5	0,650	1
231940/210		210	30	6,5	0,850	1

Adapter for hollow saws

INFO

Professional Quick Release System for Hole Saws

- Change quickly in seconds between the different diameters and various types of hole saws.
- One arbor for all diameters between 14 - 210 mm.
- Absolute concentricity and diameter true to size.
- Compact "heavy duty" design for highest demands and very long life.
- No time-consuming seizing up of the hole saw onto the thread of the arbor.
- Runs two hole saws at the same time. A smaller diameter guides as a centering aid when enlarging already existing holes.
- Fits all standard hole saw brands.*



*With 1/2" (20 UNF) or 5/8" (18 UNF) thread.

Quick change holder for hole saws, "RE-LOAD"

RE-LOAD

for all diameters from 14-210 mm, 9.5 mm hexagonal shank



Art. no.	size	shankt/Ø	kg	PU
392010	14 - 210	9,5	0,100	1

Adapter assortment for holder, "RE-LOAD"

RE-LOAD



Art. no.	set	kg	PU
392012	5 x Ø 14-30 mm	0,100	1
392014	5 x Ø 32-210 mm	0,075	1
392016	2 x Ø 14-30 mm, 3 x Ø 32-210 mm	0,065	1

Adapter assortment for hole enlarger "RE-LOAD"

RE-LOAD

1 x Ø 14 - 30 mm, 1 x Ø 32 - 210 mm



Art. no.	size	shankt/Ø	kg	PU
392018	14 - 210	9,5	0,050	1

Centre drill for holder, "RE-LOAD"

RE-LOAD



Art. no.	TL	Ø	kg	PU
392020	100	6,5	0,030	1
392022	100	6,5	0,030	1

Hex shank with plug ejection

hexagon shank



Art. no.	size	shankt/Ø	kg	PU
392028	32 - 210	9,5	0,050	1

SDS-shank

hexagon shank, 11 mm (14 - 30 mm)



Art. no.	size	shankt/Ø	kg	PU
392024	14 - 30	11	0,050	1

SDS-shank

hexagon shank, 11 mm (32 - 210 mm)



Art. no.	size	shankt/Ø	kg	PU
392026	32 - 210	11	0,050	1

Adapter "QuickLock"

hexagon shank



Art. no.	size	shank	kg	PU
231998	14-30	hexagon	0,067	1
231999	32-152	hexagon	0,107	1

Centre drills for 231998 / 231999



Art. no.	TL	type	Ø	shank	kg	PU
232007	120	universal	9	hexagon	0,020	1

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Hollow saws

Bi-metal hole saw set

RE-LOAD

Set in black plastic case, dimensions: 255 x 210 x 72 mm

Contents:

- Hole saws bi-metal 35 mm
- Hole saws bi-metal 68 mm
- Hole saws bi-metal 76 mm
- Quick change holder for hole saws "RE-LOAD"
- 3 adapters for holder "RE-LOAD" 32 - 210 mm



Art. no.	Content	kg	PU
231984	3-pieces	1,300	1

