

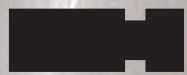


# TOOLS

## MACHINES & TOOLS FOR PROFESSIONALS



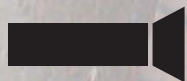
Gewindeschneiden  
Threading



Rollnuten  
Grooving



Biegen  
Bending



Bördeln  
Flaring / Flanging



Schneiden  
Cutting



Entgraten  
Reaming



Bohren / Stanzen  
Drilling / Punching



Anfasen  
Beveling



Schleifen  
Grinding



Installationswerkzeuge  
Installation tools

	Image	Page	Series		Ø mm	↓ mm	Make
Bi-Metal standard Bi-metal standard		Pg. 3	<b>S500</b>	Bi-Metall Lochsäge Bi-metal holesaw	14 - 152 mm	48 mm	
		Pg. 4	<b>04</b>	Bi-Metall Lochsäge Bi-metal holesaw	14 - 210 mm	48 mm	
		Pg. 5	<b>C</b>	HM Lochsäge Carbid tipped holesaw	17 - 152 mm	41 mm	
		Pg. 5	<b>G</b>	HM Grit Lochsäge Carbide Grit Edged Holesaw	17 - 152 mm	29 mm	
Bi-Metal mit Halter Bi-metal one piece		Pg. 8	<b>CL</b>	Lochsäge mit 1/4" Halter One piece Bi-metal Holesaw 1/4"	15 - 34 mm	20 mm	
		Pg. 8	<b>80</b>	Lochsäge mit 1/4" Halter (kleine Zähne) One piece Bi-metal Holesaw 1/4" thin teeth	12 - 38 mm	10 mm	
		Pg. 8	<b>VU</b>	Bi-Metall GrossLochsäge für kunststoff Big size one piece Bi-metal Holesaw	117 - 217 mm	95 mm	
Hartmetall bestückt Carbide tipped		Pg. 9	<b>278</b>	HM Lochsäge Carbide Tipped holesaw	14 - 120 mm	4 mm	
		Pg. 10	<b>278P</b>	HM Rohrlochsäge CT Pipe holesaw	16 - 120 mm	85 mm	
		Pg. 11	<b>DF</b>	DF HM Lochsäge Tiefe 25mm Carbide Tipped holesaw	15 - 150 mm	25 mm	
Hartmetall bestückt economy		Pg. 12	<b>PL22</b>	HM Lochsäge Carbide Tipped holesaw	15 - 100 mm	5 mm	
		Pg. 13	<b>FS22L</b>	Lochsäge für Rohre TCT Holesaw for Tube	16 - 100 mm	5 mm	
		Pg. 13	<b>PLD250</b>	HM Lochsäge Tiefe 25mm TCT Holesaw depth 25mm	16 - 100 mm	25 mm	
Poly-clic Vielfach Schnellwechsel system Poly-clic one touch type		Pg. 14	<b>PC 378</b>	Poly-clic HM Lochsäge Poly-clic CT Holesaws	14 - 120 mm	4 mm	
		Pg. 14	<b>PC 378P</b>	Poly-clic HM Lochsäge Poly-clic CT Holesaws	15 - 65 mm	4 mm	
		Pg. 15	<b>PC F</b>	Poly-clic HM Lochsäge Poly-clic CT Holesaw	14 - 120 mm	12 mm	
		Pg. 15	<b>PC S</b>	Poly-clic Stufenbohrer Poly-clic CT stepdrills complete set	21 - 34 mm	3,5 mm	
		Pg. 16	<b>PC FRP</b>	Poly-clic HM Lochsäge Poly-clic CT Holesaw	18 - 127 mm	45 mm	
		Pg. 16	<b>PC EW</b>	Poly-clic HM Lochsäge Poly-clic CT Holesaw	120 - 220 mm	80 mm	
		Pg. 18	<b>TK</b>	Stufenbohrer HSS-Co Step drill HSS-Co	4 - 35 mm	2 mm	
Stufenbohrer Step drills		Pg. 18	<b>TK-G</b>	Stufenbohrer HSS-Co & TiN Step drill HSS-Co & TiN	4 - 35 mm	2 mm	
		Pg. 18	<b>TK-T</b>	Stufenbohrer HM & TiAlN Step drill HM & TiAlN	5 - 35 mm	2 mm	
		Pg. 18	<b>TK-E</b>	Stufenbohrer HSS-Co & Nitriert Step drill HSS-Co & Nitrided	4 - 22 mm	2 mm	
		Pg. 19	<b>TKS-G</b>	Stufenbohrer Spiral genutet HSS-Co & TiN Spiral Step drill HSS-Co & TiN	4 - 38 mm	2 mm	
		Pg. 19	<b>03</b>	Stufenbohrer Step drill	4 - 35 mm	2 mm	
		Pg. 19	<b>Special</b>	Special- Stufenbohrer Special step drill	4 - 49 mm	2 mm	



- (D)** - Bi-metall Lochsäge  
 - M3 HSS Schneidfläche  
 - 4/6tpi 10° positiv Kombizähne  
 - 5 mm starke Rückenplatte  
 - 48 mm Schnitttiefe

- (GB)** - Bi-metal Holesaw  
 - M3 HSS cutting edge  
 - 4/6tpi 10° positive tooth  
 - 5 mm thick backing plate  
 - 48 mm cutting depth



4/6 Kombizahn



**(D)** S500 Bi-metall Lochsäge   
**(GB)** S500 Bi-metal holesaw M3 4/6tpi 48mm

KW #	Type	Ø	
150001	S509	14mm - 9/16"	5514
150003	S510	16mm - 5/8"	5515
150005	S511	17mm - 1.1/16"	5518
150007	S512	19mm - 3/4"	5519
150008	S513M	20mm	A5519SDS
150009	S513	21mm - 1.3/16"	
150011	S514	22mm - 7/8"	
150013	S515	24mm - 1.5/16"	
150015	S516	25mm - 1"	
150017	S517	27mm - 1.1/16"	
150019	S518	29mm - 1.1/8"	
150021	S519	30mm - 1.3/16"	
150023	S520	32mm - 1.1/4"	5516
150025	S521	33mm - 1.5/16"	5520
150027	S522	35mm - 1.3/8"	5545
150029	S523	37mm - 1.7/16"	5546
150031	S524	38mm - 1.1/2"	5573
150033	S525	40mm - 1.9/16"	A5546SDS
150035	S526	41mm - 1.5/8"	
150037	S527	43mm - 1.11/16"	
150039	S528	44mm - 1.3/4"	
150040	S528M	45mm	
150041	S529	46mm - 1.13/16"	
150043	S530	48mm - 1.7/8"	
150044	S532M	50mm	
150045	S532	51mm - 2"	5545
150047	S533	52mm - 2.1/16"	5546
150049	S534	54mm - 2.1/8"	5573
150050	S534M	55mm	A5546SDS

**(D)** S500 series   
**(GB)** S500 series

KW #	Type	Ø	
150051	S536	57mm - 2.1/4"	5545
150053	S537	59mm - 2.5/16"	5546
150055	S538	60mm - 2.3/8"	5573
150057	S540	64mm - 2.1/2"	A5546SDS
150059	S541	65mm - 2.9/16"	
150061	S542	67mm - 2.5/8"	
150062	S542M	68mm	
150063	S544	70mm - 2.3/4"	
150065	S546	73mm - 2.7/8"	
150066	S548M	75mm	
150067	S548	76mm - 3"	
150069	S550	79mm - 3.1/8"	
150071	S552	83mm - 3.1/4"	
150073	S554	86mm - 3.3/8"	
150075	S556	89mm - 3.1/2"	
150077	S558	92mm - 3.5/8"	
150079	S560	95mm - 3.3/4"	
150081	S562	98mm - 3.7/8"	
150082	S564M	100mm	
150083	S564	102mm - 4"	
150085	S566	105mm - 4.1/8"	
150087	S568	108mm - 4.1/4"	
150089	S570	111mm - 4.3/8"	
150091	S572	114mm - 4.1/2"	
150093	S576	121mm - 4.3/4"	
150095	S580	127mm - 5"	
150096	S588	140mm - 5.1/2"	
150097	S592	146mm - 5.3/4"	
150099	S596M	152mm - 6"	



- (D)**  
 - HSS Bimetall Lochsägensätze  
 - speziell für Elektriker, Schlosser  
 Sanitär und Heizungsbau  
 - Universal, Mehrzwecksatz, Industrie

- (GB)**  
 Bi-metal Holesaw set  
 - for Locksmith, Plumber,  
 Electrician, Handyman,  
 Journeyman, Industrial

**(D)** S500 Bi-metall Lochsäge set   
**(GB)** S500 Bi-metal holesaw set

KW #	Type	Für	
151103	9591	Schlosser Locksmith	22-25-32-38-44-54 M514 M545 A511
151105	9592	San./Heiz.bau Plumber	19-22-29-38-44-57 M514 M545 A511
151107	9593	Elektriker Electrician	22-29-35-44-51-64 M514 M545 A511
151111	9595	Universal Handyman	22-25-29-32-38 M514 A511
151113	9596	Monteur Journeyman	19-22-29-35-38-44 -51-57-64 M514 A511
151117	9599	Industrie Industrial	19-22-29-35-38-44 -51-57-64-76-83-92 -105-114 M514 M545 A511 P535



4/6 Kombi zahn



- (D)** - Bi-Metall Lochsäge  
 - M3 HSS Schneidfläche  
 - 4/6tpi 10° positiv Kombizahn  
 - 5 mm starke Rückenplatte  
 - 38 mm Schnitttiefe

- (GB)** - Bi-metal Holesaw  
 - M3 HSS cutting edge  
 - 4/6tpi 10° positive tooth  
 - 5 mm thick backing plate  
 - 38 mm cutting depth

**(D)** 04 series Bi-metall Lochsäge   
**(GB)** 04 series Bi-metal holesaw M3 4/6tpi

KW #	Type	Ø		
150501	04-1014	14mm		5514
150502	04-1016	16mm		5515
150503	04-1017	17mm		5518
150504	04-1019	19mm		5519
150505	04-1020	20mm		A5519SDS
150506	04-1021	21mm		KW04-9006
150507	04-1022	22mm		
150508	04-1024	24mm		
150509	04-1025	25mm		
150510	04-1027	27mm		
150511	04-1028	28mm		
150512	04-1029	29mm		
150513	04-1030	30mm		
150514	04-1032	32mm		5516
150515	04-1033	33mm		5520
150516	04-1035	35mm		5545
150517	04-1037	37mm		5546
150518	04-1038	38mm		5573
150519	04-1040	40mm		A5546SDS
150520	04-1041	41mm		KW04-9002
150521	04-1043	43mm		KW04-9029
150522	04-1044	44mm		
150523	04-1046	46mm		
150524	04-1048	48mm		
150525	04-1050	50mm		
150526	04-1051	51mm		
150527	04-1052	52mm		
150528	04-1054	54mm		
150529	04-1057	57mm		
150530	04-1059	59mm		
150531	04-1060	60mm		

**(D)** 04 series   
**(GB)** 04 series

KW #	Type	Ø		
150532	04-1064	64MM		
150533	04-1065	65MM		
150534	04-1067	67MM		
150535	04-1068	68MM		
150536	04-1070	70MM		
150537	04-1073	73MM		5545
150538	04-1076	76MM		5546
150539	04-1079	79MM		5573
150540	04-1083	83MM		A5546SDS
150541	04-1086	86MM		KW04-9002
150542	04-1089	89MM		KW04-9029
150543	04-1092	92MM		
150544	04-1095	95MM		
150545	04-1098	98MM		
150546	04-1102	102MM		
150547	04-1105	105MM		
150548	04-1108	108MM		
150549	04-1111	111MM		
150550	04-1114	114MM		
150551	04-1121	121MM		
150552	04-1127	127MM		
150553	04-1133	133MM		
150554	04-1140	140MM		
150555	04-1146	146MM		
150556	04-1152	152MM		
150557	04-1160	160MM		
150558	04-1162	162MM		
150559	04-1168	168MM		
150560	04-1177	177MM		
150561	04-1210	210MM		



## HSS Bi-Metall Lochsägensätze



04-9109

- (D)**  
 - Bimetall Lochsägesätze  
 - für Universal, Installation, Elektro
- (GB)**  
 Bi-metal Holesaw set  
 - for Handyman, Plumber, Electrician

**(D)** 04 series Bi-metall Lochsäge set   
**(GB)** 04 series Bi-metal holesaw set

KW #	Type	Für		
150570	04-9112	Universal Handyman Mehrzweck		19-22-29-35-38-44-51-57-64 9002 - 9006
150571	04-9109	Installation Plumber		19-22-29-38-44-57 9002 - 9006
150572	04-9108	Elektriker Electrician		22-29-35-44-51-64 9001 - 9002



- (D)** - HM Lochsäge  
 - 3 Zähne pro Zoll  
 - 41 mm Schnitttiefe  
 - Schnelle präzise Löcher

- (GB)** - Carbide tipped teeth  
 - 3 teeth per inch  
 - 41 mm cutting depth  
 - aggressive cutting

**(D)** C-serie HM Lochsäge 3/tpi ↓41mm

**(GB)** C-serie Carbide tipped holesaw 3/tpi ↓41mm

KW #	Type	Ø		
150205	C11	17mm - 11/16"	5514	
150207	C12	19mm - 3/4"	5515	
150211	C14	22mm - 7/8"	5518	
150215	C16	25mm - 1"	55195	
150219	C18	29mm - 1.1/8"	A5519SDS	
150223	C20	32mm - 1.1/4"	5516	
150227	C22	35mm - 1.3/8"	5520	
150231	C24	38mm - 1.1/2"	5545	
150235	C26	41mm - 1.5/8"	5546	
150239	C28	44mm - 1.3/4"	5573	
150245	C32	51mm - 2"	A5546SDS	
150249	C34	54mm - 2.1/8"	5545	
150251	C36	57mm - 2.1/4"	5546	
150257	C40	64mm - 2.1/2"	5573	
150259	C41	65mm - 2.9/16"	A5546SDS	

**(D)** C-serie

**(GB)** C-serie

KW #	Type	Ø		
150261	C42	67mm - 2.5/8"	5545	
150267	C48	76mm - 3"	5546	
150271	C52	83mm - 3.1/4"	5573	
150273	C54	86mm - 3.3/8"	A5546SDS	
150275	C56	89mm - 3.1/2"		
150277	C58	92mm - 3.5/8"		
150279	C60	95mm - 3.3/4"		
150283	C64	102mm - 4"		
150285	C66	105mm - 4.1/8"		
150287	C68	108mm - 4.1/4"		
150291	C72	114mm - 4.1/2"		
150293	C76	121mm - 4.3/4"		
150295	C80	127mm - 5"		
150296	C88	140mm - 5.1/2"		
150299	C96	152mm - 6"		



- (D)** - HM Grit Lochsäge  
 - Für härteste Materialien  
 - 5mm starke Rückenplatte  
 - 29 mm Schnitttiefe

- (GB)** - Carbide grid teeth  
 - Cuts through the hardest material  
 - 5 mm thick backing plate  
 - 29 mm cutting depth

**(D)** G.HM Grit Lochsäge ↓29mm

**(GB)** G.Carbide Grit Edged Holesaw ↓29mm

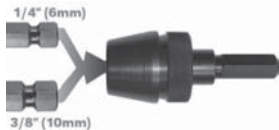
KW #	Type	Ø		
150303	G10M	16mm - 5/8"	5514	
150307	G12	19mm - 3/4"	5515	
150309	G13M	20mm	5518	
150311	G14	22mm - 7/8"	5519	
150315	G16	25mm - 1"	A5519SDS	
150319	G18	29mm - 1.1/8"	5516	
150323	G20	32mm - 1.1/4"	5520	
150327	G22	35mm - 1.3/8"	5545	
150331	G24	38mm - 1.1/2"	5546	
150339	G28	44mm - 1.3/4"	5573	
150343	G30	48mm - 1.7/8"	A5546SDS	
150345	G32	51mm - 2"		

**(D)** G. series

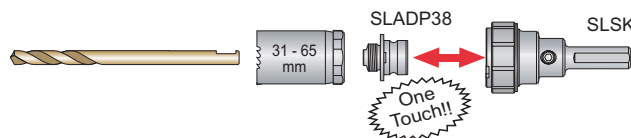
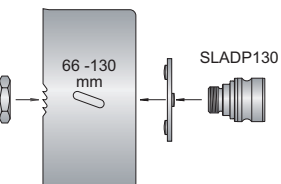
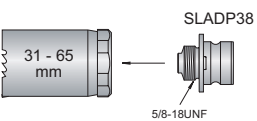
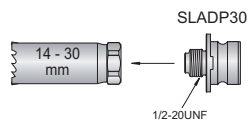
**(GB)** G. series

KW #	Type	Ø		
150349	G34	54mm - 2.1/8"	5545	
150351	G36	57mm - 2.1/4"	5546	
150355	G38	60mm - 2.3/8"	5573	
150357	G40	64mm - 2.1/2"	A5546SDS	
150363	G44	70mm - 2.3/4"		
150367	G48	76mm - 3"		
150371	G52	83mm - 3.1/4"		
150373	G54	86mm - 3.3/8"		
150379	G60	95mm - 3.3/4"		
150383	G64	102mm - 4"		
150391	G72	114mm - 4.1/2"		





Schnellwechsel



D Aufnahmehalter - Standard   
GB Mandrels - Standard

KW #	Type		Ø mm		
150701	5514	○ 6,5mm	14 - 30	8535	
150709	5515	6,5 uni	14 - 30	8534	
150711	5516	6,5 uni	32 - 51	8534	
150703	5518	○ 11mm	14 - 30	8535	
150715	5520	○ 11mm	32 - 51	8535	
150716	5545	○ 11mm	32 - 152	8535	
150718	5573	○ 16mm	32 - 152	8535	

D Aufnahmehalter - Standard   
GB Mandrels - Standard

KW #	Type		Ø mm		
150730	9006	○ 11mm	14 - 30	8535	
150731	9002	○ 11mm	32 - 152	8535	
150732	9029	○ 11mm	32 - 152	8535	

D Aufnahmehalter - SDS+   
GB Mandrels - SDS+

KW #	Type		Ø mm		
150719	A5519S	SDS+	14 - 30	8534	
150720	A5546S	SDS+	14 - 30	8534	

D Aufnahmehalter - 3/8" Schnellwechsel   
GB Mandrels - Standard

KW #	Type		Ø mm		
150714	5519	○ 3/8"	14 - 30	8534	
150717	5546	○ 3/8"	32 - 152	8534	
150735	6569	○ 3/8"	19 - 30	6524	
150736	6570	○ 3/8"	32 - 102	6524	

D Schnellwechsel Aufnahme halter GB Quick change shank

KW #	Type				
150740	6567	○ 3/8"	○ 3/8" & 1/4"mm		

Achtung! nur zusammen mit Adaptor

D One touch Aufnahmehalter - nur zusammen mit adaptor   
GB One touch Mandrels - only to be used with an adapter

KW #	Type		Ø mm		
150801	SLSK	○ 10mm	14 - 65	SLCD	
150802	SLSKR	SDS+	14 - 65	SLCD	
150803	SLSKD	○ 6,35mm	14 - 65	SLCD	

D One touch Adaptor - für standard Bi-metal Lochsäge  
GB One touch adapter - for standard holesaw

KW #	Type	Ø mm		
150810	SLADP30	14 - 30	SLSK/R/D	
150811	SLADP38	31 - 65	SLSK/R/D	
150812	SLADP130	66 - 130	SLSK/R/D	



(D) Ersatzzentrier bohrer 1/4" (für Lochsägen)   
 (GB) Pilot drills 1/4"

KW #	Type		L mm
150915	8534	5515, 5516, 5519, 5546, A5519SDS, A5546SDS	83
150913	8535	5514, 5518, 5520, 5545, 5573, 9002, 9006, 9029	108
150916	8537CT	5515, 5516, 5519, 5546, A5519SDS, A5546SDS	79
150917	8538CT	5545, 5546, 5573	95
150920	6524	6569, 6570	83
150820	SLCD	SLSK, SLSKR, SLSKD	80



(D) Auswurfeder für Lochsägen   
 (GB) Spring

KW #	Type	
150755	9092	8534, 8535, 8537CT, 8538CT, 6524



(D) Aufnahme schraube für Lochsägen   
 (GB) Mandrel set screw

KW #	Type	
150921	SS1	5514, 5515, 5516, 5519, 5520
150923	SS2	5545, 5546, 5573



(D) Verlängerung 7/16" mm für Lochsägen  
 (GB) Extension 7/16" mm

KW #	Type	Lmm	
150900	9090	125mm	5518, 5520, 5545, 9006, 9002
150901	9091	300mm	5518, 5520, 5545, 9006, 9002

Verlängerungsadapter / Extension adapter for

150903	5502	5515, 5516
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(D) Aufnahmeadapter für Lochsägen   
 (GB) Mandrel adapter

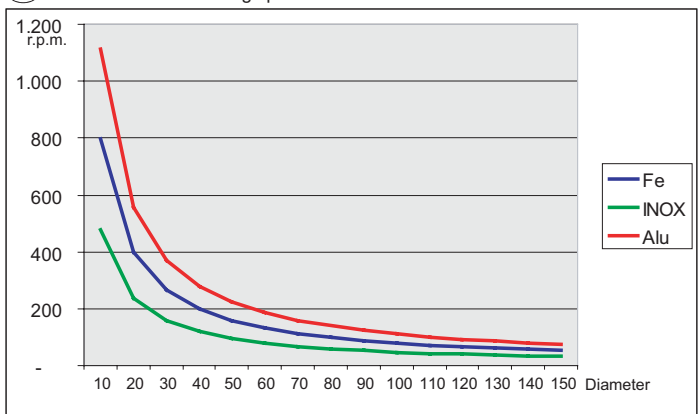
KW #	Type		
150911	5511	5514, 5515, 5518, 5519, 9006	31~50mm

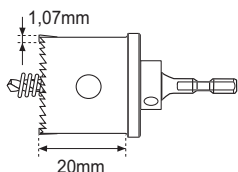


(D) Schwungscheibe für Lochsägen   
 (GB) Drive plate

KW #	Type	Ø mm
150907	5506	76 - 111

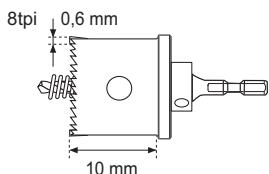
(D) Schnittgeschwindigkeit ( Drehzahl ) für Bi-Metal Lochsäge  
 (GB) Bi-metal hole saw cutting speed





4/6 kombizahn

Auf Akku-Bohrmaschinen einzusetzen



aus einem Stück gefertigt



- Ⓓ - Bi-metal Lochsäge mit variabler Höhe - Stahlplatten bis 2 mm
- Wandstärke 1,07 mm
- Zentrierbohrer  $\varnothing$  5 mm
- Schnitttiefe 20 mm

- ⒼⒷ - Bi-metal holesaw with var. pitch
- Teeth thickness 1,07 mm
- Center drill  $\varnothing$  5 mm
- Cutting depth 20 mm
- Suitable Steel plate thickness 2 mm

 Ⓓ CL Lochsäge mit 1/4" halter  
 ⒼⒷ CL One piece Bi-metal Holesaw 1/4"

KW #	Type	$\varnothing$	
150470	CL15	15 mm	CLSK1
150471	CL16	16 mm	1/4"HEX
150472	CL17	17 mm	
150473	CL18	18 mm	
150474	CL19	19 mm	
150475	CL20	20 mm	
150476	CL21	21 mm	
150477	CL22	22 mm	
150478	CL23	23 mm	
150479	CL24	24 mm	
150480	CL25	25 mm	CLSK2
150481	CL26	26 mm	1/4"HEX
150482	CL27	27 mm	
150483	CL28	28 mm	
150484	CL29	29 mm	
150485	CL30	30 mm	

Fe INOX Cu Al Plastic Wood Sandwich Laminate Plywood



- Ⓓ - Schneidendurchmesser  $\varnothing$  0,6 mm
- Zentrierbohrer  $\varnothing$  4 mm
- Schnitttiefe 10 mm
- Geeignet für Stahlplatten bis 1,6 mm

- ⒼⒷ - Cutting edge Thickness  $\varnothing$  0,6 mm
- Center drill  $\varnothing$  4 mm
- Cutting depth 10 mm
- Suitable steelplate thickness 1,6 mm

 Ⓓ Lochsäge mit 1/4" halter  
 ⒼⒷ One piece Bi-metal Holesaw 1/4" thin cut

KW #	Type	$\varnothing$	
150401	8012	12 mm	1/4"HEX
150402	8013	13 mm	
150403	8014	14 mm	
150404	8015	15mm	
150405	8016	16 mm	
150406	8017	17 mm	
150407	8018	18 mm	
150408	8019	19 mm	
150409	8020	20 mm	
150410	8021	21 mm	
150411	8022	22 mm	
150412	8023	23 mm	
150413	8024	24 mm	
150414	8025	25 mm	

Fe INOX Cu Al Plastic  
Wood Sandwich Laminate Plywood

 Ⓓ Lochsäge mit 1/4" halter  
 ⒼⒷ One piece Bi-metal Holesaw 1/4"

KW #	Type	$\varnothing$	
150415	8026	26 mm	1/4"HEX
150416	8027	27 mm	
150417	8028	28 mm	
150418	8029	29mm	
150419	8030	30 mm	
150420	8031	31 mm	
150421	8032	32 mm	
150422	8033	33 mm	
150423	8034	34 mm	
150424	8035	35 mm	
150425	8036	36 mm	
150426	8037	37 mm	
150427	8038	38 mm	

Zentrier Bohrer / Center drill  
 150430 80CD  $\varnothing$ 4,0 x 60L  
 Feder / Ejector spring  
 150433 80SP  $\varnothing$ 4,1 x 60L



- Ⓓ Bi-Metall Grosslochsäge für Kunststoff

- ⒼⒷ Big size hole saw for PVC / Plastic pipe

 Ⓓ Lochsäge  
 ⒼⒷ Big size one piece Bi-metal Holesaw

KW #	Type	$\varnothing$	‡mm	
150650	VU117	117mm	65	13mm
150651	VU143	143mm	70	13mm
150652	VU168	168mm	91	13mm
150653	VU217	217mm	95	13mm

PVC Plastic

 Ⓓ Zentrierbohrer  
 ⒼⒷ One piece Bi-metal Holesaw

KW #	Type	$\varnothing$	‡mm
150654	VU10101	$\varnothing$ 10x101L	117
150655	VU10106	$\varnothing$ 10x106L	143
150656	VU10131	$\varnothing$ 10x131L	168/217

Zentrier Bohrer / Center drill  
 150654 VU10101  $\varnothing$ 10x101L 117  
 150655 VU10106  $\varnothing$ 10x106L 143  
 150656 VU10131  $\varnothing$ 10x131L 168/217



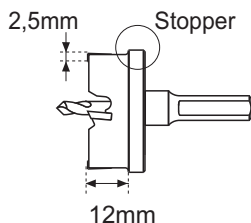


(D)

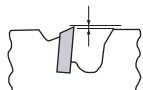
Hartmetall - Zähne  
 Präzise Schnitte  
 hohe Schneidleistung und Standzeit  
 Zähne und Zentrierbohrer mehrfach  
 nachschleifbar  
 Schnitttiefe für Stahlplatten bis 4mm  
 Stärke

(GB)

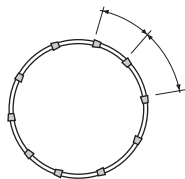
- Carbide tip teeth  
 - Long life time  
 - Clean sharp cut  
 - Possible to resharpen cutting teeth and  
 center drill  
 - Cutting depth 4mm for steel plate



(D) 1ply Zahnform  
 1-formige schneidzahn  
 (GB) Single shape cutting tip



(D) kleine schnitttiefe pro zahn  
 (GB) Small cutting depth per teeth



(D) unregelmässige zahnteilung  
 (GB) Variable cutting teeth pitch

## (D) 278 HM Lochsäge

(GB) 278 Carbide tipped holesaw



KW #	Type	Ø	zähne / teeth	z	z
152301	278-14	14 mm	3	6,5	
152302	278-14.5	14,5mm	3	6,5	
152303	278-15	15 mm	3	6,5	
152305	278-16	16 mm	3	6,5	
152307	278-17	17 mm	4	6,5	
152309	278-18	18 mm	4	6,5	
152311	278-19	19 mm	4	6,5	
152313	278-20	20 mm	4	6,5	
152315	278-21	21 mm	4	6,5	
152317	278-22	22 mm	4	6,5	
152319	278-23	23 mm	4	10	
152321	278-24	24 mm	4	10	
152323	278-25	25 mm	4	10	
152325	278-26	26 mm	4	10	
152327	278-27	27 mm	4	10	
152329	278-28	28 mm	6	10	
152331	278-29	29 mm	6	10	
152333	278-30	30 mm	6	10	
152335	278-31	31 mm	6	10	
152337	278-32	32 mm	6	10	
152339	278-33	33 mm	6	10	
152341	278-34	34 mm	6	10	
152343	278-35	35 mm	8	10	
152345	278-36	36 mm	8	10	
152347	278-37	37 mm	8	10	
152349	278-38	38 mm	8	10	
152351	278-39	39 mm	8	10	
152353	278-40	40 mm	8	10	
152355	278-41	41 mm	8	10	
152357	278-42	42 mm	10	10	
152359	278-43	43 mm	10	10	
152361	278-44	44 mm	10	10	
152363	278-45	45 mm	10	10	
152365	278-46	46 mm	10	10	
152367	278-47	47 mm	10	10	
152369	278-48	48 mm	10	10	
152371	278-49	49 mm	10	10	
152373	278-50	50 mm	10	10	
152375	278-51	51 mm	10	10	
152377	278-52	52 mm	10	10	
152379	278-53	53 mm	10	10	
152381	278-54	54 mm	10	10	
152383	278-55	55 mm	12	10	
152385	278-56	56 mm	12	10	

## (D) 278 series

(GB) 278 series



KW #	Type	Ø	zähne / teeth	z	z
152387	278-57	57 mm	12	10	
152389	278-58	58 mm	12	10	
152391	278-59	59 mm	12	10	
152393	278-60	60 mm	12	13	
152395	278-61	61 mm	12	13	
152397	278-62	62 mm	12	13	
152399	278-63	63 mm	12	13	
152401	278-64	64 mm	12	13	
152403	278-65	65 mm	12	13	
152405	278-66	66 mm	12	13	
152407	278-67	67 mm	12	13	
152409	278-68	68 mm	12	13	
152411	278-69	69 mm	12	13	
152413	278-70	70 mm	12	13	
152415	278-71	71 mm	14	13	
152417	278-72	72 mm	14	13	
152419	278-73	73 mm	14	13	
152421	278-74	74 mm	14	13	
152423	278-75	75 mm	14	13	
152425	278-76	76 mm	14	13	
152427	278-77	77 mm	14	13	
152429	278-78	78 mm	14	13	
152431	278-79	79 mm	14	13	
152433	278-80	80 mm	14	13	
152435	278-81	81 mm	14	13	
152437	278-82	82 mm	16	13	
152439	278-83	83 mm	16	13	
152441	278-84	84 mm	16	13	
152443	278-85	85 mm	16	13	
152444	278-86	86 mm	16	13	
152445	278-87	87 mm	16	13	
152446	278-88	88 mm	16	13	
152451	278-89	89 mm	16	13	
152453	278-90	90 mm	16	13	
152455	278-91	91 mm	16	13	
152457	278-92	92 mm	16	13	
152463	278-95	95 mm	16	13	
152473	278-100	100 mm	18	13	
152475	278-102	102 mm	18	13	
152477	278-105	105 mm	18	13	
152479	278-110	110 mm	20	13	
152781	278-115	115 mm	20	13	
152483	278-120	120 mm	22	13	



## Zentrierbohrer / Center drill

KW #	Type	Ø	z
152485	C6	Ø5,9 x 48L	Ø 14 - 59
152487	C8	Ø7,9 x 48L	Ø 60 - 120

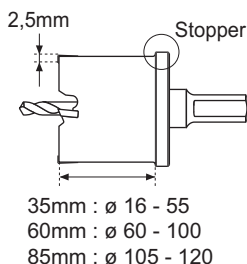


(D)

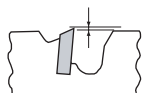
Hartmetall Zähne  
 Präzise Schnitte  
 hohe Schneidleistung und Standzeit  
 nachschleifbar und separat  
 auswechselbarer HSS Zentrierbohrer  
 für Rohrmaterial und gewölbten Flächen  
 Schnitttiefe 4 mm (Stahl)

(GB)

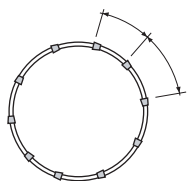
- Carbide tip teeth  
 - Wide range of applicable surfaces  
 - long cutter body  
 - manual functioning possible  
 - HSS cobalt center drill  
 - suitable for pipes and curved surfaces  
 - Cutting depth 4 mm for steel



(D) 1ply Zahnform  
 1-förmige schneidzahn  
 (GB) Single shape cutting tip



(D) kleine schnitttiefe pro zahn  
 (GB) Small cutting depth per teeth



(D) unregelmässige zahnteilung  
 (GB) Variable cutting teeth pitch

(D) 278P HM Lochschneider		(GB) 278P CT Pipe holesaw					
KW #	Type	$\varnothing$	zähne / teeth				
250101	278P-16	16 mm	3	6,5			
250103	278P-17	17 mm	4	6,5			
250105	278P-18	18 mm	4	6,5			
250107	278P-19	19 mm	4	6,5			
250109	278P-20	20 mm	4	6,5			
250111	278P-21	21 mm	4	6,5			
250113	278P-22	22 mm	4	6,5			
250115	278P-23	23 mm	4	10			
250117	278P-24	24 mm	4	10			
250119	278P-25	25 mm	4	10			
250121	278P-26	26 mm	4	10			
250123	278P-27	27 mm	4	10			
250125	278P-28	28 mm	6	10			
250127	278P-29	29 mm	6	10			
250129	278P-30	30 mm	6	10			
250131	278P-31	31 mm	6	10			
250133	278P-32	32 mm	6	10			
250135	278P-33	33 mm	6	10			
250137	278P-34	34 mm	6	10			
250139	278P-35	35 mm	8	10			
250141	278P-36	36 mm	8	10			
250143	278P-37	37 mm	8	10			
250145	278P-38	38 mm	8	10			
250147	278P-39	39 mm	8	10			
250149	278P-40	40 mm	8	10			
250151	278P-41	41 mm	8	10			
250153	278P-42	42 mm	10	10			
250155	278P-43	43 mm	10	10			

(D) 278P HM Lochschneider		(GB) 278P CT Pipe holesaw					
KW #	Type	$\varnothing$	zähne / teeth				
250157	278P-44	44 mm	10	10			
250159	278P-45	45 mm	10	10			
250161	278P-46	46 mm	10	10			
250163	278P-47	47 mm	10	10			
250165	278P-48	48 mm	10	10			
250167	278P-49	49 mm	10	10			
250169	278P-50	50 mm	10	10			
250171	278P-51	51 mm	10	10			
250173	278P-52	52 mm	10	10			
250175	278P-53	53 mm	10	10			
250177	278P-54	54 mm	10	10			
250179	278P-55	55 mm	12	10			
250189	278P-60	60 mm	12	13			
250191	278P-61	61 mm	12	13			
250193	278P-62	62 mm	12	13			
250195	278P-65	65 mm	12	13			
250207	278P-70	70 mm	12	13			
250219	278P-75	75 mm	14	13			
250229	278P-80	80 mm	14	13			
250230	278P-85	85 mm	16	13			
250233	278P-90	90 mm	16	13			
250235	278P-95	95 mm	16	13			
250239	278P-100	100mm	18	13			
250240	278P-105	105mm	18	13			
250243	278P-110	110mm	20	13			
250245	278P-115	115mm	20	13			
250250	278P-120	120mm	20	13			

Fe INOX Cu Al  
Plastic Wood  
Fe INOX Cu Al  
PVC PE

**ZentrierBohrer / HSS-Co center drill**

KW #	Type	$\varnothing$ x L	$\varnothing$ $\pm$ P
250265	C6-69	$\varnothing$ 5,9 x 69L	$\varnothing$ 16 - 22
250267	C8-69	$\varnothing$ 7,9 x 69L	$\varnothing$ 23 - 55
250269	C6-94	$\varnothing$ 7,9 x 94L	$\varnothing$ 60 - 100
250271	C8-120	$\varnothing$ 7,9 x 120L	$\varnothing$ 100 - 120

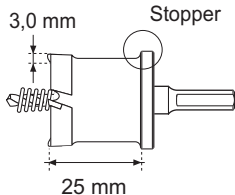


Ⓓ

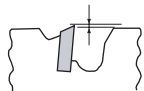
Hartmetallzähne 2er-set  
anwendbar für viele Oberflächen  
z.b. Stahl, VA, Holz, Kunststoff u.s.w.  
Für gewölbte Oberflächen, Rohre und  
Flachmaterial  
auswechselbarer HSS Zentrierbohrer  
Auswurfeder  
Schnitttiefe 25 mm

ⒼⒷ

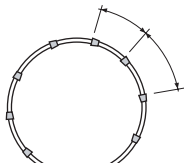
- 2 pcs set carbide tip teeth  
- Large range of applicable surfaces  
- For curved surfaces and ordinary  
drilling  
- Removable center drill  
- Ejector spring  
- Drilldepth 25 mm



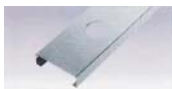
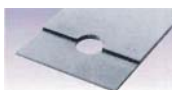
Ⓓ 2-formige schneidzahn  
ⒼⒷ 2ply = x 2 shapes cutting tip



Ⓓ kleine schnitttiefe pro zahn  
ⒼⒷ Small cutting depth per teeth



Ⓓ unregelmässige zahnteilung  
ⒼⒷ Variable cutting teeth pitch



Ⓓ DF HM Lochsäge  
ⒼⒷ DF Carbide Tipped holesaw

KW #	Type	Ø	zähne / teeth	zahn
158715	DF-15	15 mm	4	10
158716	DF-16	16 mm	4	10
158717	DF-17	17 mm	4	10
158718	DF-18	18 mm	4	10
158719	DF-19	19 mm	4	10
158720	DF-20	20 mm	6	10
158721	DF-21	21 mm	6	10
158722	DF-22	22 mm	6	10
158723	DF-23	23 mm	6	10
158724	DF-24	24 mm	6	10
158725	DF-25	25 mm	6	10
158726	DF-26	26 mm	6	10
158727	DF-27	27 mm	6	10
158728	DF-28	28 mm	6	10
158729	DF-29	29 mm	6	10
158730	DF-30	30 mm	6	10
158731	DF-31	31 mm	6	10
158732	DF-32	32 mm	6	10
158733	DF-33	33 mm	6	10
158734	DF-34	34 mm	8	10
158735	DF-35	35 mm	8	10
158736	DF-36	36 mm	8	10
158737	DF-37	37 mm	8	10
158738	DF-38	38 mm	8	10
158739	DF-39	39 mm	8	10
158740	DF-40	40 mm	8	10
158741	DF-41	41 mm	8	10
158742	DF-42	42 mm	8	10
158743	DF-43	43 mm	8	10
158744	DF-44	44 mm	10	10
158745	DF-45	45 mm	10	10
158746	DF-46	46 mm	10	10
158747	DF-47	47 mm	10	10

Ⓓ DF serie  
ⒼⒷ DF series

KW #	Type	Ø	zähne / teeth	zahn
158748	DF-48	48 mm	10	10
158749	DF-49	49 mm	10	10
158750	DF-50	50 mm	10	10
158751	DF-51	51 mm	10	10
158752	DF-52	52 mm	10	10
158753	DF-53	53 mm	10	10
158754	DF-54	54 mm	10	10
158755	DF-55	55 mm	10	10
158756	DF-56	56 mm	12	13
158757	DF-57	57 mm	12	13
158758	DF-58	58 mm	12	13
158759	DF-59	59 mm	12	13
158760	DF-60	60 mm	12	13
158762	DF-62	62 mm	12	13
158765	DF-65	65 mm	12	13
158768	DF-68	68 mm	12	13
158770	DF-70	70 mm	12	13
158775	DF-75	75 mm	14	13
158780	DF-80	80 mm	14	13
158785	DF-85	85 mm	14	13
158790	DF-90	90 mm	16	13
158795	DF-95	95 mm	16	13
158800	DF-100	100 mm	16	13
158805	DF-105	105 mm	18	13
158810	DF-110	110 mm	18	13
158815	DF-115	115 mm	18	13
158820	DF-120	120 mm	18	13
158825	DF-125	125 mm	18	13
158830	DF-130	130 mm	20	13
158835	DF-135	135 mm	20	13
158840	DF-140	140 mm	20	13
158845	DF-145	145 mm	20	13
158850	DF-150	150 mm	20	13

Fe INOX Cu Al

Plastic Wood

Fe INOX Cu Al

PVC PE

Zentrier Bohrer / Center drill

158868 DF6 ø6 x 75L für ø 15 - 150

Auswurfeder / Ejector spring

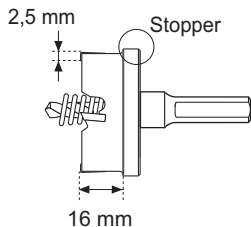
158871 DF-SP ø6 x 39L für DF6


**(D)**

- Hartmetall - Zähne
- Hohe Schneidleistung und Standzeit
- mehrfach nachschleifbar
- Auswechselbarer Zentrierbohrer mit Stopper und Auswurffeder
- Zahnform 1 ply
- HM Zahnbreite 2,5mm
- Schnitttiefe 5mm

**(GB)**

- Carbide tip teeth
- Long type
- With safety stopper
- Cutting tip form 1 ply.
- Tip wide 2,5mm
- Cut 5mm tick steel plate
- HSS TiN center drill with spring



- (D)** 1ply Zahnform  
1-formige schneidzahn
- (GB)** Single shape cutting tip

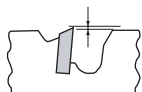


<b>(D)</b> PL22 HM Lochsäge		↓ 5mm		
<b>(GB)</b> PL22 CT Holesaw		↓ 5mm		
KW #	Type	Ø	zähne / teeth	
152260	PL22-15	15mm	4 10	
152261	PL22-16	16mm	4 10	
152262	PL22-17	17mm	4 10	
152263	PL22-18	18mm	4 10	
152264	PL22-19	19mm	4 10	
152265	PL22-20	20mm	4 10	
152266	PL22-21	21mm	4 10	
152267	PL22-22	22mm	5 10	
152268	PL22-23	23mm	5 10	
152269	PL22-24	24mm	5 10	
152270	PL22-25	25mm	5 10	
152271	PL22-26	26mm	6 10	
152272	PL22-27	27mm	6 10	
152273	PL22-28	28mm	6 10	
152274	PL22-30	30mm	6 10	
152275	PL22-32	32mm	6 10	
152276	PL22-33	33mm	7 10	

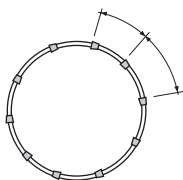
<b>(D)</b> PL22 series		↓ 5mm		
<b>(GB)</b> PL22 series		↓ 5mm		
KW #	Type	Ø	zähne / teeth	
152277	PL22-34	34mm	7 10	
152278	PL22-35	35mm	7 10	
152279	PL22-38	38mm	8 10	
152280	PL22-40	40mm	8 10	
152281	PL22-42	42mm	9 10	
152282	PL22-45	45mm	9 13	
152283	PL22-50	50mm	10 13	
152284	PL22-52	52mm	11 13	
152285	PL22-55	55mm	11 13	
152286	PL22-60	60mm	13 13	
152287	PL22-65	65mm	14 13	
152288	PL22-70	70mm	16 13	
152289	PL22-75	75mm	16 13	
152290	PL22-80	80mm	16 13	
152291	PL22-90	90mm	18 13	
152292	PL22-100	100mm	22 13	



- Zentrier Bohrer / Center drill HSS TiN coated
- 152298 PL22-P ø6 x57L für ø15 - 100
- Auswurffeder / Ejector spring
- 152299 PL22SP ø6 x 22L für PL22-P

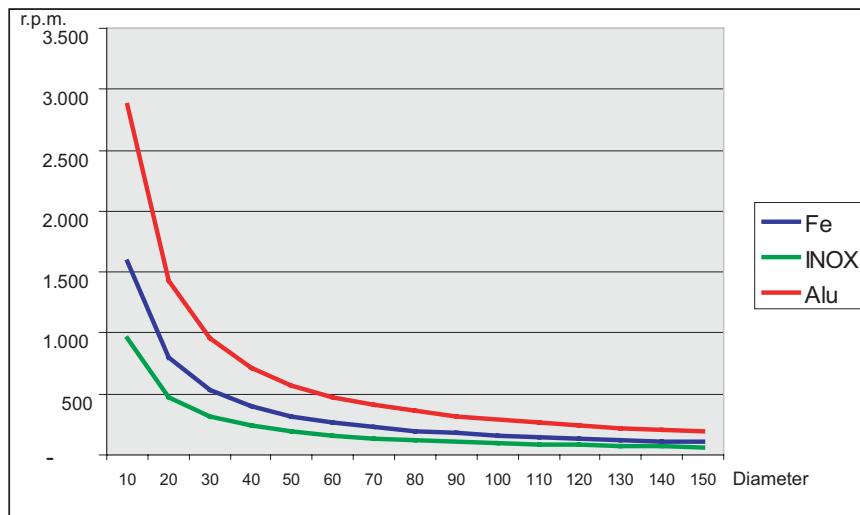


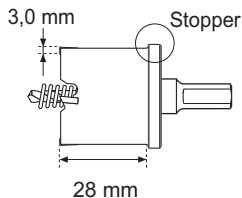
- (D)** kleine schnitttiefe pro zahn
- (GB)** Small cutting depth per teeth



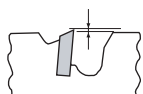
- (D)** unregelmässige zahnteilung
- (GB)** Variable cutting teeth pitch

- (D)** Schnittgeschwindigkeit ( Drehzahl ) für HM Lochsäge
- (GB)** Carbide tip hole saw cutting speed

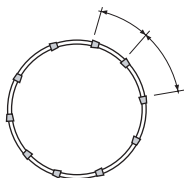




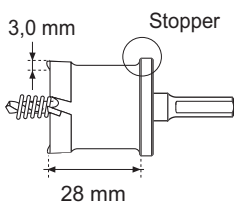
- Ⓓ 2-formige schneidzahn
- ⒺB 2ply = x 2 shapes cutting tip



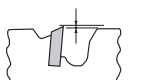
- Ⓓ kleine schnitttiefe pro zahn
- ⒺB Small cutting depth per teeth



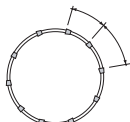
- Ⓓ unregelmässige zahnteilung
- ⒺB Variable cutting teeth pitch



- Ⓓ 3-formige schneidzahn
- ⒺB 3ply = x 3 shapes cutting tip



- Ⓓ kleine schnitttiefe pro zahn
- ⒺB Small cutting depth per teeth



- Ⓓ unregelmässige zahnteilung
- ⒺB Variable cutting teeth pitch



- Ⓓ
    - Hartmetall - Zähne
    - Lange Ausführung
    - mit Sicherheits-Stopper
    - Zahnform 2 ply.
    - Zahnbreite 3mm
    - Schnitttiefe 5mm
    - Gewölbten Flächen
  - ⒺB
    - Carbide tip teeth
    - Long type
    - With safety stopper
    - Cutting tip form 2 ply.
    - Tip wide 3mm
    - Cut 5mm tick steel plate
    - HSS TiN center drill with spring
- HSS TiN Zentrierbohrer mit Auswurffeder

Ⓓ FS22 HM Lochschneider für Rohre		ⒺB FS22 TCT Holesaw for Tube		
KW #	Type	∅	zähne / teeth	
250001	FS22L-16	16mm	4	10
250002	FS22L-18	18mm	4	10
250003	FS22L-19	19mm	4	10
250004	FS22L-20	20mm	4	10
250005	FS22L-21	21mm	4	10
250006	FS22L-22	22mm	4	10
250007	FS22L-23	23mm	4	10
250009	FS22L-25	25mm	6	10
250011	FS22L-28	28mm	6	10
250013	FS22L-30	30mm	6	10
250015	FS22L-32	32mm	6	10
250016	FS22L-33	33mm	6	10
250017	FS22L-34	34mm	6	10
250018	FS22L-35	35mm	8	10
250021	FS22L-38	38mm	8	10
250023	FS22L-40	40mm	8	10
250025	FS22L-42	42mm	8	10

Ⓓ FS22 series		ⒺB FS22 series		
KW #	Type	∅	zähne / teeth	
250028	FS22L-45	45mm	10	13
250031	FS22L-48	48mm	10	13
250033	FS22L-50	50mm	10	13
250038	FS22L-55	55mm	10	13
250043	FS22L-60	60mm	12	13
250048	FS22L-65	65mm	12	13
250053	FS22L-70	70mm	16	13
250063	FS22L-80	80mm	18	13
250073	FS22L-90	90mm	20	13
250083	FS22L-100	100mm	20	13

Zentrier Bohrer / Center drill HSS TiN

250090 | FS22L-P | ∅6 x78L für ∅16 - 100

Feder / Ejector spring

250099 | FS22LSP | ∅6 x 39L



- Ⓓ
  - Hartmetall Zähne
  - mit Sicherheits-Stopper
  - Auswechselbare zentrierbohrer Stopper
  - Zahnform 3 ply.
  - Zahnbreite 3mm
  - Max. Schnitttiefe 25mm
  - HSS centrierbohrer mit TiN Beschichtung und Auswurffeder
- ⒺB
  - Carbide tip
  - With safety stopper
  - Tip form 3 ply.
  - Tip width 3mm
  - Max cutting depth 25mm
  - HSS TiN center drill with spring

Ⓓ PLD250 HM Lochsäge		ⒺB PLD250 TCT Holesaw		
KW #	Type	∅	zähne / teeth	
158616	PDL250-16	16mm	6	10
158618	PDL250-18	18mm	6	10
158619	PDL250-19	19mm	6	10
158620	PDL250-20	20mm	6	10
158621	PDL250-21	21mm	6	10
158622	PDL250-22	22mm	6	10
158623	PDL250-23	23mm	6	10
158624	PDL250-24	24mm	6	10
158625	PDL250-25	25mm	6	10
158626	PDL250-26	26mm	6	10
158627	PDL250-27	27mm	6	10
158628	PDL250-28	28mm	6	10
158630	PDL250-30	30mm	6	10
158632	PDL250-32	32mm	6	10
158633	PDL250-33	33mm	6	10
158635	PDL250-35	35mm	6	10
158638	PDL250-38	38mm	9	10
158640	PDL250-40	40mm	9	10
158642	PDL250-42	42mm	9	10

Ⓓ PLD250 series		ⒺB PLD250 series		
KW #	Type	∅	zähne / teeth	
158645	PDL250-45	45mm	9	13
158648	PDL250-48	48mm	9	13
158650	PDL250-50	50mm	9	13
158655	PDL250-55	55mm	9	13
158660	PDL250-60	60mm	9	13
158665	PDL250-65	65mm	9	13
158670	PDL250-70	70mm	12	13
158675	PDL250-75	75mm	12	13
158680	PDL250-80	80mm	12	13
158690	PDL250-90	90mm	15	13
158700	PDL250-100	100mm	15	13

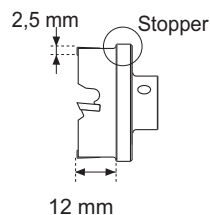
Zentrier Bohrer / Center drill TiN coated

158701 | PLD-P | ∅6 x78L für ∅16 - 100

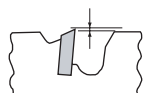
Auswurffeder / Ejector spring

158705 | PLD-SP | ∅6 x 39L





(D) 1ply Zahnform  
 1-formige schneidzahn  
 (GB) Single shape cutting tip



(D) kleine schnitttiefe pro zahn  
 (GB) Small cutting depth per teeth

## PC 378 series

- (D) Poly-clip HM Lochsäge 378  
 - einzigartige Geometrie der Zahnsitzen  
 - Spezialschliff  
 - sicher, sauber, präzise  
 - eingebauter Stopper,  
 - Schnellwechsel-System  
 - Schneidtiefe 4 mm Stärke Stahlplatten

(D) Poly-clip HM Lochsäge 378		(GB) Poly-clip CT Holesaws 378			
KW #	Type	Ø			
152601	PC378014C	14mm	PCSKS		
152602	PC378015C	15mm	PCSKS200		
152603	PC378016C	16mm	PCSKSR		
152607	PC378018C	18mm	PCSKSR200		
152609	PC378019C	19mm	PCS-KSD		
152610	PC378020C	20mm			
152611	PC378021C	21mm			
152612	PC378022C	22mm			
152613	PC378023C	23mm			
152614	PC378024C	24mm			
152615	PC378025C	25mm			
152616	PC378026C	26mm			
152617	PC378027C	27mm			
152618	PC378028C	28mm			
152620	PC378030C	30mm	PCSKS		
152622	PC378032C	32mm	PCSKS200		
152623	PC378033C	33mm	PCSKSR		
152624	PC378034C	34mm	PCSKSR200		
152625	PC378035C	35mm			
152628	PC378038C	38mm	PCSKS		
152630	PC378040C	40mm	PCSKS200		
152632	PC378042C	42mm	PCSKSR		
152634	PC378044C	44mm	PCSKSR200		
152638	PC378048C	48mm			

- (GB) Poly-clip Carbide Tipped Holesaw 378  
 - Unique teethtip geometry;  
 - safe, clean, precise  
 - Built-in Stopper & interchangeable cutters  
 - Quick-change system  
 - Cutting depth 4 mm for steel plate

(D) PC 378 series		(GB) PC 378 series		
KW #	Type	Ø		
152640	PC378050C	50mm	PCSKL	
152645	PC378055C	55mm	PCSKL200	
152650	PC378060C	60mm	PCSKLR	
152655	PC378065C	65mm	PCSKLR200	
152660	PC378070C	70mm	PCSKLT	
152661	PC378075C	75mm	PCSKLT200	
152666	PC378080C	80mm		
152668	PC378090C	90mm	PCSKL	
152670	PC378100C	100mm	PCSKL200	
152672	PC378110C	110mm	PCSKLR	
152674	PC378120C	120mm	PCSKLR200	

!! Only holesaws, please order shank and center drill separately  
 !! Achtung nur lochsägen, bitte shaft und zentrierbohrer extra bestellen. S.17

Zentrier Bohrer / Center drill

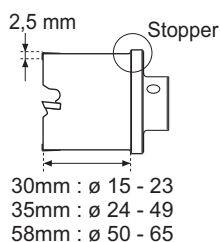
152680	PC378CDS	PCSK-S/SR/SD
152682	PC378CDL	PCSK-L/LR/LT
152681	PC378CDS6	PCSKLT

Fe INOX Cu Al  
 Plastic Wood

## PC378P series

- (D) Polyclic HM Lochsäge type 378P;  
 Für das Bohren von Rohren und gewölbten Flächen.  
 - einzigartige geometrie der Zahnsitzen  
 - Spezialschliff Geometrie  
 - Sicher sauber, präzise  
 - eingebauter stopper  
 - Schnellwechsel-system  
 - Schnitttiefe 4 mm

- (GB) Poly-clip Carbide Tipped holesaw type 378P;  
 Applicable for drilling pipes and curved surfaces.  
 - Unique tip geometry;  
 - safe, clean, precise drilling  
 - Interchangeable cutter  
 - Quick change system  
 - Cutting depth 4 mm



(D) Poly-clip HM Lochsäge 378P		(GB) Poly-clip CT Holesaws 378P		
KW #	Type	Ø		
250301	PC378P015C	15mm	PCSKS	
250302	PC378P016C	16mm	PCSKS200	
250304	PC378P018C	18mm	PCSKSR	
250305	PC378P019C	19mm	PCSKSR200	
250306	PC378P020C	20mm	PCS-KSD	
250307	PC378P021C	21mm		
250308	PC378P022C	22mm		
250309	PC378P023C	23mm		
250311	PC378P025C	25mm		
250312	PC378P026C	26mm		
250313	PC378P027C	27mm		
250314	PC378P028C	28mm		
250315	PC378P030C	30mm		
250317	PC378P032C	32mm		
250318	PC378P033C	33mm		
250319	PC378P034C	34mm		
250320	PC378P035C	35mm		

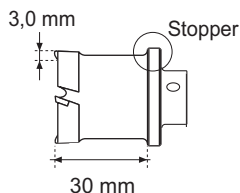
(D) PC 378P series		(GB) PC 378P series		
KW #	Type	Ø		
250323	PC378P038C	38mm	PCSKS	
250325	PC378P040C	40mm	PCSKS200	
250327	PC378P042C	42mm	PCSKSR	
250330	PC378P045C	45mm	PCSKSR200	
250333	PC378P048C	48mm		
250335	PC378P050C	50mm	PCSKL	
250340	PC378P055C	55mm	PCSKL200	
250345	PC378P060C	60mm	PCSKLR	
250350	PC378P065C	65mm	PCSKLR200	
			PCSKLT	
			PCSKLT200	

!! Only holesaws, please order shank and center drill separately  
 !! Achtung nur lochsägen, bitte shaft und zentrierbohrer extra bestellen. S.17

Zentrier Bohrer / Center drill

250361	PC378PCDS	PCSK-S/SR/SD
250363	PC378PCDL	PCSK-L/LR/LT
250362	PC378PCDS6	PCSKLT

Fe INOX Cu Al Plastic Wood  
 Fe INOX Cu Al PVC PE


 Lochsägenaufnahme  
 komplett

 Center pin shank  
 and drill cap

## Poly-clic PC F series

- (D) Poly-clic HM Lochsäge type PCF Deep Bore  
 - einzigartiger Geometrie der Zahnspitzen  
 - Sicher, sauber und präzise  
 - Eingebauter stopper  
 - Schnellwechsel system  
 - Schneidtiefe 12 mm Stahlplatten  
 - Schneidet Stahl, kupfer, Stahlrohre  
 und gewölbte Oberflächen

KW #	Type	Ø	PCSKS	PCSKSR	PCS-KSD
152701	PCF014C	14 mm	PCSKS		
152702	PCF015C	15 mm	PCSKS200		
152703	PCF016C	16 mm	PCSKSR		
152705	PCF018C	18 mm	PCSKSR200		
152706	PCF019C	19 mm			
152707	PCF020C	20 mm			
152708	PCF021C	21 mm			
152709	PCF022C	22 mm			
152710	PCF023C	23 mm			
152711	PCF024C	24 mm			
152712	PCF025C	25 mm			
152714	PCF027C	27 mm			
152715	PCF028C	28 mm			
152717	PCF030C	30 mm			
152719	PCF032C	32 mm			
152720	PCF033C	33 mm			
152721	PCF034C	34 mm			
152722	PCF035C	35 mm			
152725	PCF038C	38 mm	PCSKS		
152727	PCF040C	40 mm	PCSKS200		
152729	PCF042C	42 mm	PCSKSR		
152732	PCF045C	45 mm	PCSKSR200		
152735	PCF048C	48 mm			
152737	PCF050C	50 mm	PCSKL		
152742	PCF055C	55 mm	PCSKL200		
152747	PCF060C	60 mm	PCSKLR		
152752	PCF065C	65 mm	PCSKLR200		
152753	PCF070C	70 mm	PCSKLT		
152755	PCF080C	80 mm	PCSKLT200		

- (GB) Poly-clic Carbide Tipped Holesaw type PCF  
 Deep drill; Quickchange system  
 - Unique teethtip geometry  
 - safe, clean and precise  
 - Cutting depth 12 mm for steel plate  
 - Cuts in steel, copper, stainless steel,  
 steelplate, steel pipes and curved  
 surfaces.

KW #	Type	Ø	PCSKL	PCSKLR	PCSKLR200
152757	PCF090C	90mm	PCSKL		
152759	PCF100C	100mm	PCSKL200		
152760	PCF105C	105mm	PCSKLR		
152761	PCF110C	110mm	PCSKLR200		
152762	PCF115C	115mm			
152763	PCF120C	120mm			

!! Only holesaws, please order shank and center drill separately  
 !! Achtung nur lochsägen, bitte shaft und zentrierbohrer extra  
 bestellen

Zentrier Bohrer / Center drill

152780	PCFCDS	PCSK-S/SR/SD
152781	PCFCDS6	PCSK-S/SR/SD
152783	PCFCDSH	PCSK-S/SR/SD
152782	PCFCDL	PCSK-L/LR/LT
152784	PCHCDS	PCSK-L/LR/LT



Zentrier Pinn / Center pin shank

152785	PCSKSCP	Ø14 - 49
152787	PCSKLCP	Ø50 - 120

Zentrier Hülse / Drill cap

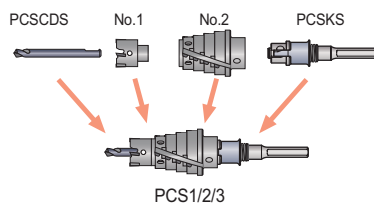
152789	PCSKDC	PCSL-SCP/LCP
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## Poly-clic PC S series

- (D) Poly-clic HM Stufenbohrer  
 - einzigartiger Geometrie der Zahnspitzen  
 - Langer standzeit  
 - Sauber und präzise  
 - Schnellwechsel System  
 - Schnitttiefe 3,5 mm

KW #	Type	Ø	PCSKS	PCSKSR	PCS-KSD
152831	PCS1	21-25-27-30-33	PCSKS		
152833	PCS2	16-18-22-25-28	PCSKSR		
152835	PCS3	22-25-28-30-34	PCS-KSD		



- (GB) Poly-clic Carbide tipped stepdrills  
 - Unique tip geometry;  
 - Long lifetime  
 - Perfect clean hole  
 - Cutting depth 3,5 mm

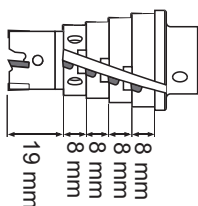
KW #	Type	Ø
No.1 Bohrer / No.1 Cutter		
152841	PCSB21	21mm
152843	PCSB16	16mm
152845	PCSB22	22mm

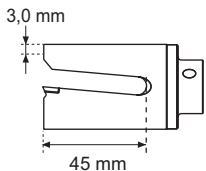
No.2 Bohrer / No.2 Cutter

152847	PCS1C	25-27-30-33 mm
152849	PCS2C	18-22-25-28 mm
152851	PCS3C	25-28-30-34 mm

Zentrier Bohrer / Center drill

152840	PCSCDS
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**Poly-clic PC FRP series**

- Ⓓ Poly-clic HM Lochsäge type PCFRP
  - Einzigartige geometrie der spitzen
  - Sicher, sauber, präzise
  - benötigt kein kühlmittel
  - äußerst Widerstandsfähig gegen Überhitzung
  - Für Glasfaser verstärkte Kunststoffe, Acryl, PVC Rohre, Holzersatzstoffe

- ⒼⒷ Poly-clic FRP with Quick-change system
  - Unique teethhitp geometry
  - Safe, clean and precise
  - Highly resistant against overheating;
  - Doesn't require any coolant
  - Applicable for FRP, acrylic, resin, fiber, vinyl and chloride pipe

Ⓓ Poly-click HM Lochsäge FRP					🇯🇵
ⒼⒷ Poly-click CT Holesaw FRP					
KW #	Type	Ø	🔩		
650713	PCFRP018C	18mm	PCSKS		
650717	PCFRP020C	20mm	PCSKS200		
650721	PCFRP022C	22mm			
650727	PCFRP025C	25mm	PCSКСR		
650733	PCFRP028C	28mm	PCSКСR200		
650737	PCFRP030C	30mm	PCS-KSD		
650741	PCFRP032C	32mm			
650747	PCFRP035C	35mm			
650753	PCFRP038C	38mm	PCSKS		
650755	PCFRP040C	40mm	PCSKS200		
650763	PCFRP045C	45mm	PCSКСR		
			PCSКСR200		

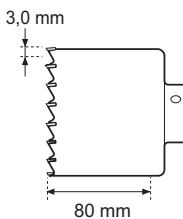
Ⓓ PC FRP series					🇯🇵
ⒼⒷ PC FRP series					
KW #	Type	Ø	🔩		
650767	PCFRP050C	50mm	PCSKL		
650773	PCFRP055C	55mm	PCSKL200		
650775	PCFRP060C	60mm	PCSCLR		
650779	PCFRP065C	65mm	PCSCLR200		
650781	PCFRP070C	70mm	PCSCLT		
650782	PCFRP075C	75mm	PCSCLT200		
650783	PCFRP080C	80mm			
650787	PCFRP090C	90mm	PCSKL		
650789	PCFRP095C	95mm	PCSKL200		
650791	PCFRP100C	100mm	PCSCLR		
650795	PCFRP110C	110mm	PCSCLR200		
650797	PCFRP120C	120mm			
650803	PCFRP127C	127mm			

!! Only holesaws, please order shank and center drill separately  
!! Achtung nur lochsägen, bitte shaft und zentrierbohrer extra bestellen



🔩 ZentrierBohrer / Center drill

650701	PCFRPCDS	PCSK-S/SR/SD
650703	PCFRPCDL	PCSK-L/LR/LT



**Poly-clic PC EW series**

- Ⓓ Poly-clic HM Lochsäge
  - Für PVC Rohre und Drainagerohre
  - Saubere, schnelles Bohren
  - Schnellwechsel system
  - für PVC Bohre in Drainagsystem

- ⒼⒷ Poly-clic Vinyl Chloride pipe corebit type PCEW
  - For vinyl chloride & drainage pipes
  - Clean speedy drilling
  - Quick-change system

Ⓓ Poly-clic HM Lochsäge PCEW					🇯🇵
ⒼⒷ Poly-clic CT Holesaws PCEW					
KW #	Type	Ø	🔩		
650810	PCEW120C	120mm	PCSKL		
650811	PCEW130C	130mm	PCSKL200		
650812	PCEW140C	140mm	PCSCLR		
650813	PCEW150C	150mm	PCSCLR200		
650814	PCEW168C	168mm			
650815	PCEW170C	170mm			

Ⓓ PC EW series					🇯🇵
ⒼⒷ PC EW series					
KW #	Type	Ø	🔩		
650816	PCEW180C	180mm	PCSKL		
650819	PCEW185C	185mm	PCSKL200		
650817	PCEW200C	200mm	PCSCLR		
650818	PCEW220C	220mm	PCSCLR200		

!! Only holesaws, please order shank and center drill separately  
!! Achtung nur lochsägen, bitte shaft und zentrierbohrer extra bestellen



🔩 Zentrier Bohrer / Center drill

650820	PCHWCD175	PCSK-L/LR/LT
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Und Mehr ...  
And more...

PC D ø25-220 Diamond	PC B ø25-220 Diamond	PC HP ø25-310 Dia grid	PC WS ø22-220 TCT	PC SW ø22-220 TCT	PC ALC ø22-220 TCT	PC HW ø22-170 TCT	PC H ø20-160 TCT	PC C ø20-160 TCT	PC WD ø25-220 Diamond



## Poly-Click series



Ⓓ Poly-Click Schnellwechsel

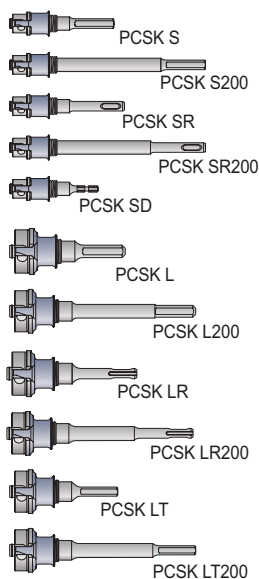
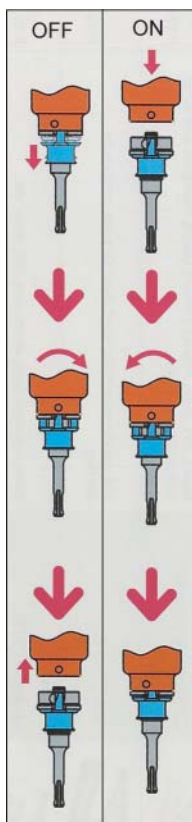
Ⓔ Poly-Click multi purpose quick change halesaw system

**S Schaft**  
shank **≤ 49mm dia.**

PC378***C PC378CDS6 PC378CDS	PCSKS PCSKS200
PC378P***C PC378PCDS6 PC378PCDS	PCSKSR PCSKSR200
PCF***C PCFCDS6 PCFCDS PCFCDSH	PCSKSD
PCFRP***C PCFRPCDS	
PCS PCSCDS	

**L Schaft**  
shank **≥ 50mm dia.**

PC378***C PC378CDL	PCSKLT PCSKLT200
PC378P***C PC378PCDL	PCSKL PCSKL200
PCF***C PCFCDL PCFCDLH	PCSKLR PCSKLR200
PCFRP***C PCFRPCDL	
PC378CDL PC378CDL PC378CDLH	

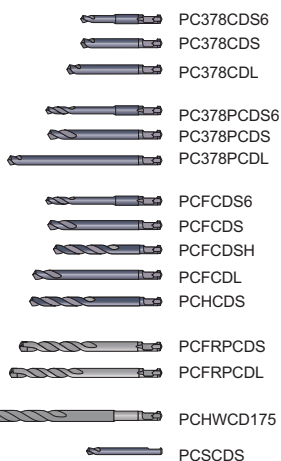


Ⓓ Poly-Click Schnellwechsel Aufnahme halter

Ⓔ Poly-Click Quick-change mandrels



KW #	Type		Ø mm	←L mm
252801	PCSK S	10mm	14 - 48	79,5
252802	PCSK S200	10mm	14 - 48	200
252805	PCSK SR	SDS+	14 - 48	105
252806	PCSK SR200	SDS+	14 - 48	200
252808	PCSK SD	1/4"Hex	14 - 35	65,5
252810	PCSK L	13mm	50 - 220	99,5
252811	PCSK L200	13mm	50 - 220	200
252815	PCSK LR	SDS+	50 - 220	125
252816	PCSK LR200	SDS+	50 - 220	200
252820	PCSK LT	10mm	50 - 80	99,5
250821	PCSK LT200	10mm	50 - 80	200

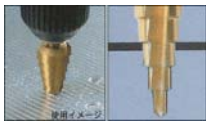


Ⓓ Poly-Click Schnellwechsel ZentrierBohrer

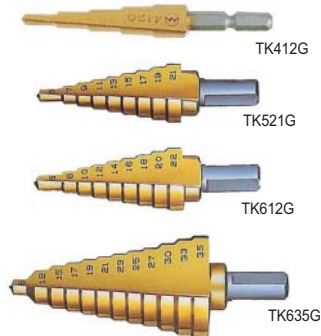
Ⓔ Poly-Click Quick-change center drill



KW #	Type		Ø mm	←L mm
152681	PC378CDS6	S, SR, SD	14 - 48	ø6 × 70L
152680	PC378CDS	S, SR, SD	14 - 48	ø8 × 70L
152682	PC378CDL	L, LR, LT	50 - 120	ø8 × 82L
250362	PC378PCDS6	S, SR, SD	14 - 48	ø6 × 100L
250361	PC378PCDS	S, SR, SD	14 - 48	ø8 × 100L
250363	PC378PCDL	L, LR, LT	50 - 120	ø8 × 135L
152781	PCFCDS6	S, SR, SD	14 - 48	ø6 × 100L
152780	PCFCDS	S, SR, SD	14 - 48	ø8 × 100L
152783	PCFCDSH	S, SR, SD	14 - 48	ø8 × 100L
152782	PCFCDL	L, LR, LT	50 - 120	ø8 × 113L
152784	PCHCDS	L, LR, LT	50 - 120	ø8 × 120L
650701	PCFRPCDS	S, SR, SD	14 - 48	ø8,2 × 120L
650703	PCFRPCDL	L, LR, LT	50 - 127	ø8,2 × 135L
650820	PCHWCD175	L, LR, LT	120-220	ø10 × 175L
152840	PCSCDS	S, SR, SD	16 - 34	ø6 × 65L



Ⓓ TK series HSS-Co						🇯🇵
Ⓔ TK series HSS-Co						
KW #	Type	∅ mm	↓mm			
149801	TK412	4,6,8,10,12	10	1/4"		
149803	TK521	5,7,9,11,13,15,17,19,21	5	10mm		
149805	TK612	6,8,10,12,14,16,18,20,22	5	10mm		
149807	TK635	6,12,15,17,19,21,23,25,27,30,33,35	5	10mm		



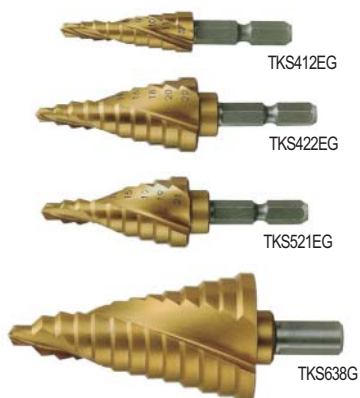
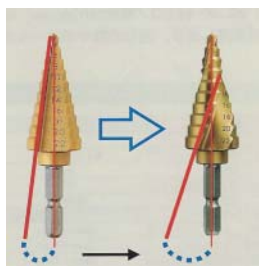
Ⓓ TK-G series HSS-Co & TiN beschichtet						🇯🇵
Ⓔ TK-G series HSS-Co & TiN coated						
KW #	Type	∅ mm	↓mm			
149811	TK412G	4,6,8,10,12	10	1/4"		
149813	TK521G	5,7,9,11,13,15,17,19,21	5	10mm		
149815	TK612G	6,8,10,12,14,16,18,20,22	5	10mm		
149817	TK635G	6,12,15,17,19,21,23,25,27,30,33,35	5	10mm		



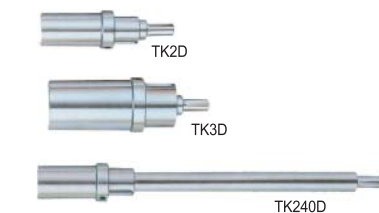
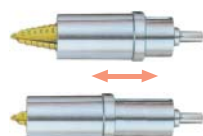
Ⓓ TK-T series HM & TiAlN beschichtet						🇯🇵
Ⓔ TK-G series CT tipped & TiAlN coated						
KW #	Type	∅ mm	↓mm			
149823	TK521T	5,7,9,11,13,15,17,19,21	5	10mm		
149825	TK612T	6,8,10,12,14,16,18,20,22	5	10mm		
149827	TK635T	6,12,15,17,19,21,23,25,27,30,33,35	5	10mm		



Ⓓ TK-E series HSS-Co & Nitrided						🇯🇵
Ⓔ TK-E series HSS-Co & Nitrided						
KW #	Type	∅ mm	↓mm			
149841	TK412E	4,5,6,7,8,9,10,11,12	3,5	1/4"		
149842	TK422E	4,6,8,10,12,14,16,18,20,22	5	1/4"		
149843	TK521E	5,7,9,11,13,15,17,19,21	5	1/4"		



anwendbar bei:



Ⓧ TKS series Spiral HSS-Co & TiN Spiral genutet  
 Ⓞ TKS series Spiral HSS-Co & TiN coated

KW #	Type	Ø mm	↓ mm		
149831	TKS412EG	4,5,6,7,8,9,10,11,12	3,5	1/4"	
149832	TKS422EG	4,6,8,10,12,14,16,18,20,22	5	1/4"	
149833	TKS521EG	5,7,9,11,13,15,17,19,21	5	1/4"	
149838	TKS638G	6,12,15,17,19,21,23,25,27,30,33,35,38	5	10mm	

Ⓧ O2 series Stufenbohrer HSS-Co  
 Ⓞ O2 series Step drill HSS-Co

KW #	Type	Ø mm	↓ mm		
149870	0301	4,6,8,10,12	5	6mm	
149871	0303	4,6,8,10,12,14,16,18,20	3	4mm	
149872	0305	4,6,8,10,12,14,16,18,20,22,24,26,28,30	4	8mm	
149873	0307	5,7,5,10,12,5,15,2,18,6,20,4,22,5,25,5,28,3	4	10mm	
149874	0309	6,8,10,12,14,16,18	3,5	13mm	
149875	0311	6,8,10,12,14,16,18,22,24	5	10mm	
149876	0313	10,11,12,13,14,15,16,17,18,19,20	5	10mm	
149877	0315	14,16,18,20,22,24,25	5	10mm	
149878	0317	20,22,24,26,28,30,32,34	5	10mm	

Ⓧ TK speziell vorsetzbohre  
 Ⓞ TK special purpose drill

KW #	Type	Ø mm		
149850	TK125S	4 - 12,5mm	1/4"	HSS-Co
149851	TK150R	15mm	10mm	HSS-Co TiN
149852	TK160R	16mm	10mm	HSS-Co TiN

Ⓧ TK-D Tiefenanschlag  
 Ⓞ TK-D depth adjustor

KW #	Type	±L*mm		
149880	TK2D	80mm	10mm	10mm
149881	TK3D	96mm	10mm	10mm
149885	TK240D	240mm	10mm	10mm

Ⓧ TK Halterverlängerung  
 Ⓞ TK extension bar

KW #	Type	±L*mm		
149886	TK450D	450mm	10mm	10mm
149887	TK450S	450mm	1/4"	10mm



SSU4D

- Ⓓ SSU4D Rohrlochsäge mit Maschine
  - sicheres und schnelles bohren von löchern in Stahlrohr
  - Max. Lochsäge 105 mm
  - Für max 10" rohre
  - Mit Nivellier Vorrichtung und Dorn
- ⒼⒷ SSU4D pipe drill
  - Easy & safe drilling on pipe
  - Max. halesaw 105mm
  - for max. 10" pipe
  - with centering level & punch

Ⓓ SSU4D Rohrlochsäge mit Maschine					ⒼⒷ SSU4D pipe drill
KW #	Type	Ø mm	MOTOR	kg	
132111	SSU4D	105mm	720W	7kg	
Option:					
295711	Chain 36"				
295715	Work table vice				

## KW TOOLS Symbols

- Ⓓ Made in Japan  
ⒼⒷ Made in Japan
- Ⓓ Made in Taiwan  
ⒼⒷ Made in Taiwan
- Ⓓ Made in Europe  
ⒼⒷ Made in Europe
- Ⓓ Made in U.S.A.  
ⒼⒷ Made in U.S.A.

- Ⓓ Niedrigpreis
- ⒼⒷ Low price

- |                                        |                                                |                                          |                                           |                                              |
|----------------------------------------|------------------------------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------|
| <b>Cu</b> Ⓓ Kupfer<br>ⒼⒷ Copper        | <b>Fe</b> Ⓓ Stahl<br>ⒼⒷ Steel                  | <b>Al</b> Ⓓ Aluminium<br>ⒼⒷ Aluminium    | <b>INOX</b> Ⓓ INOX / VA<br>ⒼⒷ INOX        | <b>Cast Iron</b> Ⓓ Gusseisen<br>ⒼⒷ Cast iron |
| <b>Wood</b> Ⓓ Holz<br>ⒼⒷ Wood          | <b>Plywood</b> Ⓓ Sperrholz<br>ⒼⒷ Plywood       | <b>Laminate</b> Ⓓ Laminat<br>ⒼⒷ Laminate | <b>Sandwich</b> Ⓓ Sandwich<br>ⒼⒷ Sandwich |                                              |
| <b>Plastic</b> Ⓓ Plastik<br>ⒼⒷ Plastic | <b>Fiberglass</b> Ⓓ Fiberglas<br>ⒼⒷ Fiberglass | <b>Marble</b> Ⓓ Marmor<br>ⒼⒷ Marble      | <b>Tile</b> Ⓓ Fliesen<br>ⒼⒷ Tile          |                                              |
- 
- |                                             |                                                   |                                        |                                    |                                                               |
|---------------------------------------------|---------------------------------------------------|----------------------------------------|------------------------------------|---------------------------------------------------------------|
| <b>Cu</b> Ⓓ Kupfer<br>ⒼⒷ Copper             | <b>Fe</b> Ⓓ Stahl<br>ⒼⒷ Steel                     | <b>Al</b> Ⓓ Aluminium<br>ⒼⒷ Aluminium  | <b>INOX</b> Ⓓ INOX / VA<br>ⒼⒷ INOX | <b>InoFlex</b> Ⓓ INOX flexibles Rohr<br>ⒼⒷ INOX flexible tube |
| <b>Layer</b> Ⓓ Verbundrohr<br>ⒼⒷ Layer tube | <b>Conduit</b> Ⓓ Schutzrohr<br>ⒼⒷ Protection tube | <b>Plastic</b> Ⓓ Plastik<br>ⒼⒷ Plastic | <b>Rubber</b> Ⓓ Gummi<br>ⒼⒷ Rubber | <b>PVC</b> Ⓓ Polyvinylchloride<br>ⒼⒷ Polyvinylchloride        |
| <b>PE</b> Ⓓ Polyethylene<br>ⒼⒷ Polyethylene | <b>PB</b> Ⓓ Polybutylene<br>ⒼⒷ Polybutylene       |                                        |                                    |                                                               |
- 
- |                                                             |                                  |                                        |
|-------------------------------------------------------------|----------------------------------|----------------------------------------|
| <b>Plastic</b> Ⓓ Kunststoff - Profile<br>ⒼⒷ Profile Plastic | <b>BOLTS</b> Ⓓ Bolzen<br>ⒼⒷ Bolt | <b>Concrete</b> Ⓓ Beton<br>ⒼⒷ Concrete |
|-------------------------------------------------------------|----------------------------------|----------------------------------------|

Ihr Fachhändler: