





Diamond tools for glass processing



Company history

Mr. Klaus Schott was the grandson of the well-known Dr. Otto Schott. Already as a young boy, Klaus Schott had relations to the glass industry because of his family. His father, his brothers and he himself were all employed by the internationally known company of Schott Glaswerke AG. It was during this period that he acquired fundamental knowledge and gualifications in the field of glass processing.

• 1975

In 1975, Klaus Schott founded his own independent enterprise in the town of Stadtoldendorf and supplied the glass industry with diamond tools. Beside the trade with the above mentioned tools, he also manufactured his own products in order to supply his nationwide customers in the glass industry with tools for their requirements.

• 2000

In the year 2000, Mr Burghard Lein, a member of staff of many years standing, became the second shareholder and director of the enterprise. After this, the sole proprietorship enterprise was converted to a limited liability company with its domicile in Stadtoldendorf, it is now called SCHOTT Diamantwerkzeuge GmbH.

• 2005

In 2005, Mr Burghard Lein took over the company as the sole shareholder and managing director after the sudden and tragic death of the company founder Klaus Schott.

• 2007

In 2007, because of the increasing demand for our products, the company was moved to two large production facilities in the neighbourhood within the township of Stadtoldendorf. This enabled us to manufacture tools in series production on a limited scale in addition to the single manufacture of electro-plated and sintered diamond tools.

• 2008

In 2008, a third large building in the neighbourhood was acquired to become an additional production site. In the meantime, the area of the production site and the number of staff had more than doubled. The company of SCHOTT Diamantwerkzeuge manufactures top quality tools, usually according to the specifications of our customers.

These are for the processing of glass, ceramics, stone, metals and plastic, but also for the optical industry. This means that we usually don't offer pre-manufactured products but tools manufactured according to the specifications and the demand of our customers, dependent on the

- kind of the materials to be processed
- machines employed for the processing
- kind and consistence of the coolants bevolame
- manufacture targets

For these employments, we manufacture diamond tools which are made to measure. They feature the best possible quality and also have a very good price-performance ratio.

• 2009

In spite of the global economic crisis, the company of SCHOTT Diamantwerkzeuge managed to follow its successful course of growth. New sales areas were established and supplied with our products. These countries include Italy, Switzerland, France, Belgium, The Netherlands, Israel, China, India, Japan and the USA.

2010 until today

We run a number of research projects in close cooperation with technical high schools and universities. The aim of these projects is the permanent increase and improvement of processing methods with our tools, mainly in the field of new materials and compound materials and also the application of ultrasonic for dental and medical technology. In these areas, new findings are of utmost importance.

• 2012-2017

In the meantime, the third company building had been fully equipped. The application technologies are permanently updated and extended. Also, the first tool shop systems have been installed, their operations fully satisfy its users.

• 2018/2019

In 2018, we extended our sales network to the south of Germany and Austria. Patents were applied for and granted. In the field of ultrasonic-suitable diamond tools the manufacture was extended, and a new range of products was developed. The production line for the manufacture of resin-bonded materials was extended.

Certificate



www.tuv.com



TÜV certificate



Development, production and sales of diamond coated tools

The certificate is valid from 2019-08-19 until 2022-08-18.

TÜV Rheinland Cert GmbH Am Grauen Stein · 51105 Köln



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Notes



Table of grain sizes

FEPA-Code	Mesh-Code	μm
D3		2 - 4
D5		4 - 6
D7		6 - 8
D9		8 - 10
D10		8 - 12
D12		8 - 16
D15		10 - 20
D20		15 - 25
D25		20 - 30
D30		20 - 40
D35		30 - 40
D46	325 / 400	
D54	270 / 325	
D64	230 / 270	
D76	200 / 230	

FEPA-Code	Mesh-Code	μm
D91	170 / 200	
D107	140 / 170	
D126	120 / 140	
D151	100 / 120	
D181	80 / 100	
D213	70 / 80	
D251	60 / 70	
D301	50 / 60	
D356	45 / 50	
D426	40 / 45	
D501	35 / 40	
D601	30 / 35	
D711	25 / 30	
D851	20 / 25	
D1001	18 / 20	
D1181	16 / 18	

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Bonding	Grain
Resin bonding	
	Diamond CBN
	Diamond
Metal bonding, sintered	
Bronze / iron alloys	Diamond CBN
Bronze	Diamond
Galvanic Bonding	
Single-coated	Diamond & CBN
Multiple coating	Diamond & CBN

N – grain is suitable	 for easy cutting (glass, carbon, ceramics)
S – grain is suitable	 for grinding and drilling of glass and ceramics
H – grain is suitable	 for profile grinding of hard ceramics for highly strained drill bits and routers and also ultrasonic-supported tools

Single-coated	Diamond & CBN
Multiple coating	Diamond & CBN
Electroplated interspersed	Diamond & CBN

Bonding systems
Application
 Tool grinding
 Glass processing / Optics
 Glass processing
 Optics manufacture
 Profile grinding wheels
 Ceramics processing
Ceramics processing

Linear glass edge processing



For: BAUDIN; BAVELLONI; Bodo Gerhard; Bottero; Bovone; Lattuada; Schiatti; Zafferani machines and other machines.





D 64

Resin bonding

Roughing		Designation	
Mitre			6VQ5 - segmented - 150
Application			Designation
Roughing	Semifinishing	Finishing	
Х			6VQ5 - segmented - 150
Х			6VQ5 - segmented - 150
Х	Х		6VQ5 - segmented - 150
	Х		6VQ5 - segmented - 150
	Х		6VQ5 - segmented - 150
		Х	6VQ5 - segmented - 150
Х	Х		6VQ5 - closed - 150 - 10
	Х		6VQ5 - closed - 150 - 10
	Х		6VQ5 - closed - 150 - 10
	Х	Х	6VQ5 - closed - 150 - 10
		Х	6L2 - segmented - 150 -
		Х	6L2 - segmented - 150 -
		Х	6L2 - segmented - 150 -
		Х	6L2 - segmented - 150 -
		Х	6L2 - closed - 150 - 15 -
		Х	6L2 - closed - 150 - 15 -
		Х	6L2 - closed - 150 - 15 -
-		-	-

Edge grinding	Designation
BAVELLONI Lattuada	6L2 - closed - 100 - 15 - 10 - H
BOTTERO TITAN	6L2 - closed - 125 - 15 - 10 - H
Bodo Gerhard, BESANA,	6L2 - closed - 130 - 15 - 10 - H
BOVONE ELB 14, SCHIATTI	6L2 - closed - 150 - 15 - 10 - H

Machine assembly for linear glass edge processing

Machine assembly for linear glass edge processing on BENTELER - CNC maschines





Application			Designation	Grain size	Bonding
Roughing	Semifinishing	Finishing			
Х			6VQ4 - segmented - 175 - 10 - 10 - 68	D 181	Metal bonding
Х			6VQ4 - segmented - 175 - 10 - 10 - 68	D 151	Metal bonding
Х	Х		6VQ4 - segmented - 175 - 10 - 10 - 68	D 126	Metal bonding
	Х		6VQ4 - segmented - 175 - 10 - 10 - 68	D 107	Metal bonding
	Х		6VQ4 - segmented - 175 - 10 - 10 - 68	D 91	Metal bonding
		Х	6VQ4 - segmented - 175 - 10 - 10 - 68	D 76	Metal bonding
Х	Х		6VQ4 - closed - 175 - 10 - 10 - 68	D 126	Metal bonding
	Х		6VQ4 - closed - 175 - 10 - 10 - 68	D 107	Metal bonding
	Х		6VQ4 - closed - 175 - 10 - 10 - 68	D 91	Metal bonding
	Х	Х	6L2 - closed - 175 - 10 - 10 - 68	D 76	Metal bonding
		Х	6L2 - segmented - 175 - 15 - 10 - 68	D 91	Resin bonding
		Х	6L2 - closed - 175 - 15 - 10 - 68	D 91	Resin bonding
		Х	6L2 - closed - 175 - 15 - 10 - 68	D 76	Resin bonding
		Х	6L2 - closed - 175 - 15 - 10 - 68	D 64	Resin bonding

Application	Designation	Grain size	Bonding
Edge evinding	6L2 - closed - 175 - 20 - 6 - 68	D 54	Metal bonding
Eage grinding	6L2 - closed - 175 - 15 - 10 - 68	D 64	Resin bonding

Application	Designation	Grain size	Bonding
Corner grinding	1A1 - closed - 50 - 20 - 2 - 20	D 54	Metal bonding

Machine assembly for linear glass edge processing on BUSETTI - CNC maschines





Application			Designation Gra		Bonding
Roughing			1A1 - segmented - 200 - 42 - 90 D 181		Metal bonding
Application			Designation	Grain size	Bonding
Roughing	Semifinishing	Finishing			
Х			6VQ5 - segmented - 175 - 10 - 10 - 70	D 181	Metal bonding
Х			6VQ5 - segmented - 175 - 10 - 10 - 70	D 151	Metal bonding
Х	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 126	Metal bonding
	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 107	Metal bonding
	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 91	Metal bonding

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Х			6VQ5 - segmented - 175 - 10 - 10 - 70	D 151	Metal bonding
х	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 126	Metal bonding
	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 107	Metal bonding
	Х		6VQ5 - segmented - 175 - 10 - 10 - 70	D 91	Metal bonding
		Х	6VQ5 - segmented - 175 - 10 - 10 - 70	D 76	Metal bonding
Х	Х		6VQ5 - closed - 175 - 10 - 10 - 70	D 126	Metal bonding
	Х		6VQ5 - closed - 175 - 10 - 10 - 70	D 107	Metal bonding
	Х		6VQ5 - closed - 175 - 10 - 10 - 70	D 91	Metal bonding
	Х	Х	6VQ5 - closed - 175 - 10 - 10 - 70	D 76	Metal bonding
		Х	6L2 - segmented - 175 - 15 - 10 - 70	D 91	Resin bonding
		Х	6L2 - segmented - 175 - 15 - 10 - 70	D 91	Resin bonding
		Х	6L2 - segmented - 175 - 15 - 10 - 70	D 76	Resin bonding
		Х	6L2 - segmented - 175 - 15 - 10 - 70	D 64	Resin bonding
			•		
Application			Designation	Grain size	Bonding
Edge grinding	g		6L2 - closed - 150 - 15 - 10 - 70	D 64	Resin bonding

Application	Designation	Grain size	Bonding
Corner grinding	1A1 - closed - 60 - 20 - 3 - 17 _{H7}	D 76	Metal bonding



Profile grinding

CNC preliminary and intermediate grinding





Shape:	C-edge		Seamed edge		
Ø	200; 250;		200; 250;	200; 250;	
	Without inner cooling		Without inner cooling		
Bore:	H = 60 mm		H = 60 mm		
Glass thickness:					
2 mm	Pane width 10 mm	Radius 1,5 mm	Pane width 10 mm	Seam 0,5 mm	
3 mm	Pane width 10 mm	Radius 2,5 mm	Pane width 10 mm	Seam 0,75 mm	
4 mm	Pane width 10 mm	Radius 3,0 mm	Pane width 10 mm	Seam 0,75 mm	
5 mm	Pane width 10 mm	Radius 3,7 mm	Pane width 10 mm	Seam 0,75 mm	
6 mm	Pane width 10 mm	Radius 4,7 mm	Pane width 10 mm	Seam 1,0 mm	
8 mm	Pane width 13 mm	Radius 7,0 mm	Pane width 13 mm	Seam 1,0 mm	
10 mm	Pane width 16 mm	Radius 10,0 mm	Pane width 16 mm	Seam 1,5 mm	
12 mm	Pane width 16 mm	Radius 14,0 mm	Pane width 16 mm	Seam 1,5 mm	
15 mm	Pane width 19 mm	Radius 16,0 mm	Pane width 19 mm	Seam 1,5 mm	
19 mm	Pane width 23 mm	Radius 18,0 mm	Pane width 23 mm	Seam 1,5 mm	

Recommended grain size	
Roughing:	D151 D91
Semifinishing:	D107 D76
Finishing:	D76 D46



Shape:	1A1
Ø	100; 120; 150;
	With and without inner cooling
Bore:	H = 22 mm
Glass thickness:	
3 mm	Pane width 8 mm
4 mm	Pane width 8 mm
5 mm	Pane width 8 mm
6 mm	Pane width 10 mm
8 mm	Pane width 10 mm
10 mm	Pane width 12 mm
12 mm	Pane width 14 mm
15 mm	Pane width 17 mm
19 mm	Pane width 21 mm

CNC - Semifinishing





1A1
100; 120; 150;
With and without inner cooling
H = 22 mm
Pane width 8 mm
Pane width 8 mm
Pane width 8 mm
Pane width 10 mm
Pane width 10 mm
Pane width 12 mm
Pane width 14 mm
Pane width 17 mm
Pane width 21 mm

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CNC finishing









Shape:	C-edge		Seamed edge			
Ø	100; 120; 150;		100; 120; 150;			
	With and without inner co	oling	With and without inner co	With and without inner cooling		
Bore:	H = 22 mm		H = 22 mm			
Grain sizes:	D213 - D46		D213 - D46			
Glass thickness:						
3 mm	Pane width 10 mm	Radius 2,5 mm	Pane width 10 mm	Seam 0,75 mm		
4 mm	Pane width 10 mm	Radius 3,0 mm	Pane width 10 mm	Seam 0,75 mm		
5 mm	Pane width 10 mm	Radius 3,7 mm	Pane width 10 mm	Seam 0,75 mm		
6 mm	Pane width 10 mm	Radius 4,7 mm	Pane width 10 mm	Seam 1,0 mm		
8 mm	Pane width 13 mm	Radius 7,0 mm	Pane width 13 mm	Seam 1,0 mm		
10 mm	Pane width 16 mm	Radius 10,0 mm	Pane width 16 mm	Seam 1,5 mm		
12 mm	Pane width 16 mm	Radius 14,0 mm	Pane width 16 mm	Seam 1,5 mm		
15 mm	Pane width 19 mm	Radius 16,0 mm	Pane width 19 mm	Seam 1,5 mm		
19 mm	Pane width 23 mm	Radius 18,0 mm	Pane width 23 mm	Seam 1,5 mm		

Glass thickness	R	А	Р	Single groove	Twofold groove
2	2,00	3	0,6		х
3	2,50	4	1		х
 4	2,80	5	1,5		х
5	3,50	6	1,8		х
6	5,00		1,8		х
8	6,00		2,2	х	
10	7,00		3	Х	
12	10,00		3	х	
15	16,00		2,1	Х	
19	18,00		3	х	

Profile layout trapezoidal profile

Glass thickness	Verge	А	в	Р	Single groove	Twofold groove
4	0,75	6,5	2,5	2		х
5	0,75	7,5	3,5	2		х
6	0,75	8,5	4,5	2		х
6	1,00	8	4	2	х	
8	1,00	10	6	2	х	
8	1,50	10	5	2,5	х	
8,5	0,50	10,5	7,5	1,5	х	
10	1,00	12	8	2	х	
10	1,50	12	7	2,5	х	
12	1,00	14	10	2	х	
12	1,25	13,5	8,5	2,5	х	
12	1,50	14	9	2,5	х	
15	1,00	17	13	2	х	
15	1,50	17	12	2,5	х	

Profile layout C-profile





CNC Polishing tools





Polishing discs		
ØD	ØН	U
Outside diameter	Mounting hole	Polishing disc thickness
100 - 120 - 150	22	10 - 25





Polishing - Benteler			Designation	Grain size
Prepolishing	Semipolishing	Fine polishing		
Х			6L2 - segmented - 170 - 40 - 40 - 68	40 Mesh
Х			6L2 - segmented - 170 - 40 - 40 - 68	60 Mesh
Х	Х		6L2 - segmented - 170 - 40 - 40 - 68	80 Mesh
	Х		6L2 - segmented - 170 - 40 - 40 - 68	120 Mesh
	Х	Х	6L2 - segmented - 170 - 40 - 40 - 68	180 Mesh
Х			6L2 - closed - 170 - 40 - 40 - 68	60 Mesh
Х	Х		6L2 - closed - 170 - 40 - 40 - 68	80 Mesh
	Х		6L2 - closed - 170 - 40 - 40 - 68	120 Mesh
		Х	6L2 - closed - 170 - 40 - 40 - 68	180 Mesh
		Х	6L2 - closed - 170 - 40 - 40 - 68	400 Mesh
		Х	6L2 - closed - 170 - 40 - 40 - 68	Cerium
	Edge polishing		6L2 - closed - 170 - 40 - 40 - 68	180 Mesh

Polishing - Busetti		Designation	Grain size	
Prepolishing	Semipolishing	Fine polishing		
Х			6L2 - segmented - 150 - 40 - 70	40 Mesh
Х			6L2 - segmented - 150 - 40 - 70	60 Mesh
Х	Х		6L2 - segmented - 150 - 40 - 70	80 Mesh
	х		6L2 - segmented - 150 - 40 - 70	120 Mesh
	Х	Х	6L2 - segmented - 150 - 40 - 70	180 Mesh
х			6L2 - closed - 150 - 40 - 70	60 Mesh
Х	Х		6L2 - closed - 150 - 40 - 70	80 Mesh
	Х		6L2 - closed - 150 - 40 - 70	120 Mesh
		Х	6L2 - closed - 150 - 40 - 70	180 Mesh
		Х	6L2 - closed - 150 - 40 - 70	400 Mesh
		Х	6L2 - closed - 150 - 40 - 70	Cerium
	Edge polishing		6L2 - closed - 150 - 40 - 70	180 Mesh

Polishing – Ø 150 linear glass edge processing		Designation	Grain size	
Prepolishing	Semipolishing	Fine polishing		
Х			6L2 - segmented - 150 - 40 - H	40 Mesh
Х			6L2 - segmented - 150 - 40 - H	60 Mesh
Х	Х		6L2 - segmented - 150 - 40 - H	80 Mesh
	Х		6L2 - segmented - 150 - 40 - H	120 Mesh
	Х	Х	6L2 - segmented - 150 - 40 - H	180 Mesh
Х			6L2 - closed - 150 - 40 - H	60 Mesh
Х	Х		6L2 - closed - 150 - 40 - H	80 Mesh
	Х		6L2 - closed - 150 - 40 - H	120 Mesh
		Х	6L2 - closed - 150 - 40 - H	180 Mesh
		Х	6L2 - closed - 150 - 40 - H	400 Mesh
		Х	6L2 - closed - 150 - 40 - H	Cerium
	Edge polishing		6L2 - closed - 150 - 40 - H	180 Mesh

CNC Polishing tools

CNC Internal processing





Shape:	C-edge		Seamed edge	
Ø	Outside Ø D 18 and 25	mm	Outside Ø D 18 and 2	5 mm
	Further Ø D on request		Further Ø D on reques	t
	With inner cooling		With inner cooling	
Connection:	R 1/2"		R 1/2"	
Glass thickness:				
3 mm		Radius 2,5 mm	Length L and L1 on request and subject to technical feasibility	Seam = 0,75 mm
4 mm		Radius 3,0 mm		Seam = 0,75 mm
5 mm		Radius 3,7 mm		Seam = 0,75 mm
6 mm		Radius 4,7 mm		Seam = 1,0 mm
8 mm	request and subject to	Radius 7,0 mm		Seam = 1,0 mm
10 mm		Radius 10,0 mm		Seam = 1,5 mm
12 mm		Radius 14,0 mm		Seam = 1,5 mm
15 mm		Radius 16,0 mm		Seam = 1,5 mm
19 mm		Radius 18,0 mm		Seam = 1,5 mm

		Milling cutters	Metal bonding	
Ø	D	Total length	Number of segments	Connection
10	C	68 mm	3	R 1/2"
12	2	82 mm	4	R 1/2"
14	4	82 mm	4	R 1/2"
16	6	82 mm	4	R 1/2"
20	C	82 mm	6	R 1/2"

	End-milling cutters	Galvanic bonding	
ØD	Total length	Number of segments	Connection
4 to 10 mm	75 mm	3	R 1/2"

	Combined cutters	Metal bonding	
ØD	Total length	Number of segments	Connection
16, others on request	92 mm	3/4	R 1/2"

Further dimensions on demand and subject to technical feasibility

CNC milling tools







Drills, chamfering tools, combination of diamond hollow drills & core bits, cutting wheels for glass processing



Diamond hollow drills, sintered



Diamond hollow drills, sintered							
	Ø D in mm	L in mm			Ø Di in mm		
Connection / shaft	Outside diameter	Total length	Drilling depth	Crown depth	Inside diameter		
R 1/2"	3 - 250	50 - 250	3 - 200	10	1,5 - 250		
Clamping shaft (g6)							

Combination of diamond hollow drills with clamping countersinks





Combination of diamond hollow drills with clamping countersinks

		L in mm	
Connection / shaft	Coating	Total length	Drilling de
R 1/2" Clamping shaft (g6)	– closed – segmented – slotted	55 - 125	3 - 50

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Countersink tools for deep countersinking

Combination of diamond hollow drills/ core bits with attached countersink













Countersinks tools for deep countersinking
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		L in mm		Ø D in mm	Ø D1 in mm
Connection / shaft	Coating	Overall length	Drilling depth	Drill bit diameter	Countersink diameter
R 1/2" Clamping shaft (g6)	– closed – segmented – slotted	55 - 125	3 - 50	from 3	up to 200





Countersink tools for deep countersinking					
Ø D in mm	Ø l in mm	X in mm			
Outside diameter	Drill bit diameter	Wall thickness			
up to 200	from 3	3			

Combination tools – mono block





Combination tools – mono block

		L in mm	
Connection / shaft	Coating	Total length	Bore crown d
R 1/2" Clamping shaft (g6)	– closed – segmented – slotted	75	According to demand and technical feas



	Ø D in mm	
depth	Drill bit diameter	Wall thickness of countersink
) I Isibility	from 3	3

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Countersinks

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Fointed Countersinks				
		L in mm		
Connection / shaft	Coating	Total length	Countersink area	Angle
	– closed – slotted – drilled			
R 1/2"	– slotted & drilled	75 - 125	1 - 125	0 - 180°
	– segmented	•		



Flat countersinks					
		L in mm			
Connection / shaft	Coating	Total length	Countersink area	Angle	
R 1/2"	– closed – slotted – drilled		1 - 125	0 - 180°	
	– slotted & drilled	75 - 125			
	– segmented				

Diameter-dependent speed recommendations for combination of diamond hollow drills and countersinks in 1/min

	Glass		Ceramics		Glass ceramics	
	Flat glass, c	quartz glass	Aluminium oxide, silicon carbide		Zerodur	
Ø	Drilling	Countersinking	Drilling	Countersinking	Drilling	Countersinking
2	19100	9550	9600	4800	14300	7100
3	12800	6400	6400	3200	9600	480
4 - 5	8500	4250	4200	2100	6400	3200
6 - 7	5900	2950	3000	1500	4400	2200
8 - 9	4500	2250	2200	1100	3400	1700
10 - 14	3200	1600	1600	800	2400	1200
15 - 19	2200	1100	1200	600	1600	800
20 - 25	1700	850	900	450	1300	650
26 - 30	1400	700	700	350	1100	550
31 - 35	1200	600	600	300	900	450
36 - 40	1000	500	500	250	750	380
41 - 45	900	450	450	225	650	330
46 - 50	800	400	400	200	600	300
51 - 55	720	360	360	180	550	280
56 - 60	660	330	330	165	500	250
61 - 65	600	300	300	150	450	230
66 - 70	560	280	280	140	425	215
71 - 75	520	260	260	130	400	200
76 - 80	480	240	240	120	375	190
81 - 85	460	230	230	115	350	180
86 - 90	420	210	220	110	325	165
91 - 95	400	200	200	100	300	150
96 - 100	380	190	190	95	275	140
101 - 105	360	180	180	90	250	125
106 - 110	340	170	170	85	225	115
111 - 120	320	160	160	80	200	100
121 - 130	300	150	150	75	175	90
131 - 140	280	140	130	65	150	75
141 - 150	260	130	125	60	140	70



Cutting wheels



1,2

1,5

125

0,9 ֥••••

1,1



H in mm	X in mm	T in mm	Ø D in mm	E in mm	H in mm	X in mm	T in mm	Ø D in mm	E in mm
Ø Bore:	Layer height	Thickness	Outside diameter	Carrier thickness	Ø Bore:	Layer height	Thickness	Outside diameter	Carrier thickness
		0,4	•	0,3			0,8		0,65
		0,5		0,4			0,9	150	0,7
		0,6	50	0,5			1		0,8
		0,8		0,7			1,5		1,1
		1	•	0,9			1		0,8
		0,5		0,4			1,2	200	0,9
		0,6		0,5			1,5		1,1
		0,8	64	0,7	Accor-		1,8		1,4
		1		0,9	ding to demand	10	1	250 300	0,75
		0,5	75	0,4			1,2		0,8
		0,6		0,5			1,5		1,1
Accor- ding to	5	0,8		0,7			1,8		1,6
demand		1	•	0,9			1,2		0,8
		0,4		0,3			1,5		1,1
		0,6		0,5			1,8		1,4
		0,8		0,7			2		1,6
		1	100	0,9	•	•	•	•	
		1,2		1,1					
	1,5		1,4						
		0,8		0,65					
		1	- - - - - - -	0,8					
			125						

1100



Flexible Diamond Tools

Flexible Diamond Tools









Mounted points S1A1W Mono / Poly - Elastic All dimensions according to demand and technical feasibility



All dimensions according to demand and technical feasibility







ØD ØY

Mounted points 1V1W Mono / Poly - Elastic All dimensions according to demand and technical feasibility



Flexible Diamond tools are used for finest processing of hard materials



Cir

Circumference grinding discs 1A1 Mono - Elastic					
Ø H in mm	Ø D in mm	X in mm	T in mm		
Mounting hole:	Outside diameter	Wall thickness	Width		
	75		10 - 50		
	100	On request			
On request	150	On request			
	200				



Circumference grinding discs 1A1 Poly - Elastic				
Ø H in mm	Ø D in mm	X in mm	T in mm	
Mounting hole:	Outside diameter	Wall thickness	Width	
	75		10 - 40	
0	100	0		
On request	150	On request		
	200			
Available with and without arrival array a				

Available with and without spiral groove

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Flexible Diamond Tools

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ToolShop system

For interested customers, SCHOTT Diamantwerkzeuge GmbH offers the opportunity for a simple and efficient tool management and storage by means of a so-called ToolShop system.

This system consists of a PC with a touchscreen function (incl. software for storage management), a hand scanner for the reading of the barcodes employed and also, according to demand, one or more tool cabinets.

The advantages for you:

- Simple and quick tool management
- Simple and quick tool selection
- Efficient and clearly structured tool storage
- Permanently available tools
- Low administration effort for you
- Reduced storage effort
- Low-cost administration
- simple and quickly learnable application (quickly usable for all members of staff)
- space-saving because the entire hardware and software are contained in the touchscreen device (except for the scanner)
- automated ordering system by e-Mail directly by the system (upon short fall of the fixed minimum stock)
- Short delivery times for repeat orders of fixed minimum order quatities (which we store for you – buffer storage)
- Installation of the complete system by us
- System support by us or by the German system developers
- Installation and training in your premises by us



- 1 PC with touchscreen function incl. software for storage management
- 1 hand scanner for barcode or QR code reading
- 1 or more tool cabinets (according to demand)

Accessories



SCHOTT AS 2525.1

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Whetstones





Whetstones	
Dimensions in mm	Grain size
200 x 90 x 20	
200 x 50 x 25	
200 x 30 x 4	On request
200 x 30 x 3	
90 x 70 x 20	
Further dimensions on demand	





Hand pads	
Dimensions in mm	Colour
90 x 55 x 28	Green
90 x 55 x 28	Black
90 x 55 x 28	Red
90 x 55 x 28	Yellow
90 x 55 x 28	White
90 x 55 x 28	Blue

Hand pads





Grain size in mesh
60
120
200
400
500
1500

Flushing bushes



Flushing bushes for diamond drills	
Connection on the machine side	Connection on the tool side
^{1/2} " 20 thread IG	
SDS - Plus (1/2" 20 thread)	
^{5/8} " 16 thread IG	
M18 x 2,5 IG	
M16 x 2,0 IG	R 1/2" IG and on request
M14 x 2,0 IG	
B16 (cone on the inside)	
13mm trunnion	
MK2 (cone on the outside)	

Further connections on request



Notes







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