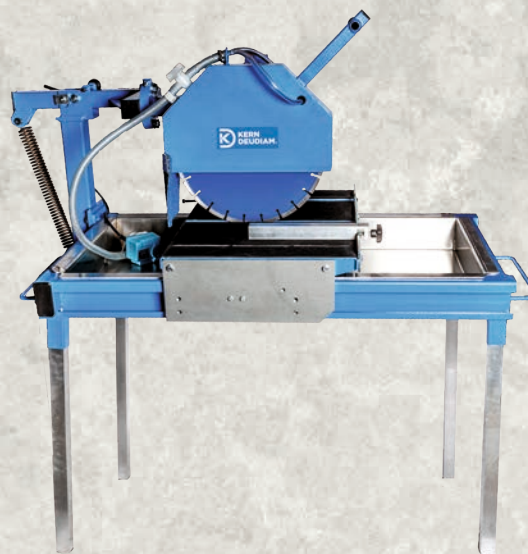




**KERN
DEUDIAM®**

DIAMOND TOOLS & MACHINES

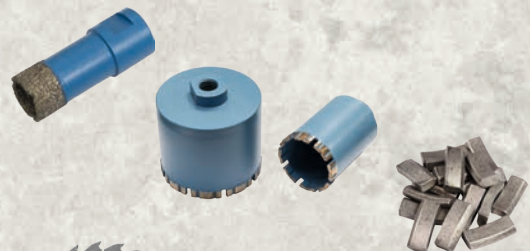
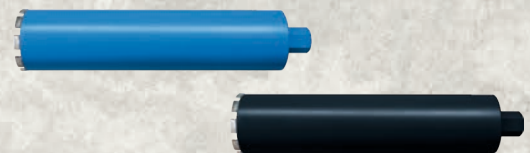
catalogue valid
FROM 2019



KERN-DEUDIAM Diamantwerkzeuge und Maschinen GmbH
German manufacturer
of diamond tools & machines

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OUR CORE IS SERVICE

KERN-DEUDIAM Diamantwerkzeuge und Maschinen GmbH has been for more than 40 years one of the leading German diamond tool manufacturers with worldwide business relations and it is to sustain this leadership that we constantly search to improve our products and applied technology.

The brand **KERN**[®] for distribution points out straight away the **KERN (core)** competence in diamond tools for construction and machines.

Next to this we do have the brand **DEUDIAM**[®] to show that we are a production company in Germany - **DE**utsche **DIAM**antwerkzeuge (German diamond tools). Made in Germany production is very important for us as a mid-size company.

KERN-DEUDIAM handles the complete process of production for diamond tools, starting at the segment production up to the finished product incl. marking, design and packaging. Rational working processes, constant application of new materials, investing in the newest production equipment as well as intensive research and development are an absolute must in our strive for perfection.

At **KERN-DEUDIAM** quality is not just a word, it is something that can be seen and measured in our products, reason being for which we qualified for ISO 9001:2015.

Being a member of the associations VDS (Verband Deutscher Schleifmittelwerke e.V. – association of German grinding tool manufactures), VDMA (Verband Deutscher Maschinen- und Anlagenbau e.V. – association of German equipment manufactures) and Fachverband Betonbohren und Sägen e.V. Deutschland (association for concrete drilling and sawing Germany), we have the advantage to be one of the first for legal, norm and technical developments.

Our **KERN (core)** is Service – this is our company rule. It does not matter, how we work for you, either in developing special products or solving special requests or giving you information via phone or on site or simply by shipping items in correct quantity and in time, it is always **YOU** and **YOUR** needs are most important for us.

We hope we have raised your interest, being so, please do not hesitate to contact us

Phone +49 (0) 5257-507-0

info@kern-deudiam.de



Diamantwerkzeuge und Maschinen GmbH

kern-deudiam.de Industriestraße 24
Tel. +49 5257 507-0 33161 Hövelhof
info@kern-deudiam.de GERMANY

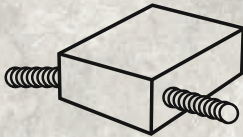


Save time in finding the correct blade

OUR 5 PHASE COLOUR CODED SCHEME FOR DIAMOND SAW BLADES

Colour coded for ease of selection

CONCRETE & UNIVERSAL



blue

The colour **BLUE** for concrete and universal

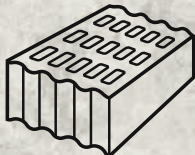
ABRASIVE



black

The colour **BLACK** for abrasive materials

BRICKS & REFRACTORY



yellow

The colour **YELLOW** for bricks and refractory

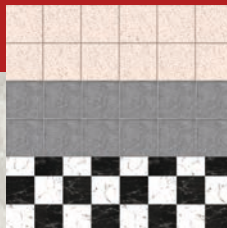
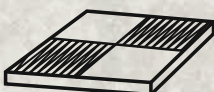
NATURAL STONE



green

The colour **GREEN** for natural stone and clay roof tiles

TILES & CERAMICS



red

The colour **RED** for tiles and ceramics

Feel free to contact us, if you have any questions on our new 5 phase colour coded scheme. By phone, call +49 (0) 5257/507-0 or by e-mail to info@kern-deudiam.de

KDS150 + DK17

DRILL RIG	KDS150	DRILLING MOTOR	DK17
MAX. DRILLING-Ø:	150 mm	VOLTAGE:	230 V
HIGHT / STROKE:	900 mm / 570 mm	POWER:	2000 W
BASE DEPTH X WIDTH:	270 x 165 mm	DRILLING-Ø DRY BRICKWORK:	20 - 200 mm
ANGLE DRILLING:	0-45°	DRILLING-Ø WET CONCRETE:	20 - 160 mm
MOTORMOUNTING:	60 mm	GEARS:	3
WEIGHT:	8,0 kg	RATED SPEED:	540 / 1200 / 2520 RPM
PART-NO.:	12-610	SPINDLE:	1¼" UNC + Adaptor ½" G
		MOTORMOUNTING:	60 mm
		WEIGHT:	6,3 kg
		PART-NO.:	12-296



KDS200 + DK1803

DRILL RIG	KDS200	DRILLING MOTOR	DK1803
MAX. DRILLING-Ø:	200 mm	VOLTAGE:	230 V
HIGHT / STROKE:	860 mm / 520 mm	POWER:	2000 W
BASE DEPTH X WIDTH:	460 x 260 mm	DRILLING-Ø WET CONCRETE:	20 - 160 mm
ANGLE DRILLING:	0-45°	GEARS:	3
MOTORMOUNTING:	quick connection	RATED SPEED:	540 / 1200 / 2520 RPM
WEIGHT:	10,0 kg	SPINDLE:	1¼" UNC + G ½"
PART-NO.:	12-620	MOTORMOUNTING:	60 mm
		WEIGHT:	5,9 kg
		PART-NO.:	12-288



KDS250 + DK26

DRILL RIG	KDS250	DRILLING MOTOR	DK26
MAX. DRILLING-Ø:	250 mm	VOLTAGE:	230 V
HIGHT / STROKE:	970 mm / 640 mm	POWER:	2600 W
BASE DEPTH X WIDTH:	510 x 220 mm	DRILLING-Ø WET CONCRETE:	40 - 250 mm
ANGLE DRILLING:	0-45°	GEARS:	3
MOTORMOUNTING:	quick connection	RATED SPEED:	320 / 630 / 980 RPM
WHEELS:	yes	SPINDLE:	1¼" UNC
WEIGHT:	15,0 kg	MOTORMOUNTING:	standard holes pattern
PART-NO.:	12-630	WEIGHT:	11,6 kg
		PART-NO.:	12-298



KDS400 + DK32

DRILL RIG	KDS400	DRILLING MOTOR	DK32
MAX. DRILLING-Ø:	400 mm (with distance plate)	VOLTAGE:	230 V
HIGHT / STROKE:	1080 mm / 640 mm	POWER:	3200 W
BASE DEPTH X WIDTH:	500 x 260 mm	DRILLING-Ø WET CONCRETE:	55 - 350 mm
ANGLE DRILLING:	0-45°	GEARS:	3
MOTORMOUNTING:	quick connection	RATED SPEED:	230 / 480 / 720 RPM
FINE FEED:	1:2	SPINDLE:	1¼" UNC
WHEELS:	yes	MOTORMOUNTING:	standard holes pattern
DISTANCE PLATE:	30 mm plate	WEIGHT:	11,9 kg
WEIGHT:	22,0 kg	DISTANCE PLATE:	30 mm plate
PART-NO.:	12-640	PART-NO.:	12-295



XXL+ DK32

DRILL RIG	XXL	DRILLING MOTOR	DK32
MAX. DRILLING-Ø:	350 mm 400 mm (with distance plate)	VOLTAGE:	230 V
HIGHT / STROKE:	1080 mm / 660 mm	POWER:	3200 W
BASE DEPTH X WIDTH:	350 x 220 mm	DRILLING-Ø WET CONCRETE:	55 - 350 mm
ANGLE DRILLING:	0-55°	GEARS:	3
MOTORMOUNTING:	XXL-quick connection	RATED SPEED:	230 / 480 / 720 RPM
FINE FEED:	without	SPINDLE:	1¼" UNC
WHEELS:	no	MOTORMOUNTING:	standard holes pattern
GUIDANCE:	sliders	WEIGHT:	11,9 kg
WEIGHT:	22,0 kg	PART-NO.:	12-295
PART-NO.:	12-701		



BS630N + DK32

DRILL RIG	BS630N	DRILLING MOTOR	DK32
MAX. DRILLING-Ø:	420 mm	VOLTAGE:	230 V
HIGHT / STROKE:	1015 mm / 625 mm	POWER:	3200 W
BASE DEPTH X WIDTH:	330 x 185 mm	DRILLING-Ø WET CONCRETE:	55 - 350 mm
ANGLE DRILLING:	0-45°	GEARS:	3
MOTORMOUNTING:	XXL-quick connection	RATED SPEED:	230 / 480 / 720 RPM
FINE FEED:	1:5	SPINDLE:	1¼" UNC
WHEELS:	yes	MOTORMOUNTING:	standard holes pattern
DISTANCE PLATE:	30 mm plate	WEIGHT:	11,9 kg
WEIGHT:	21,0 kg	PART-NO.:	12-295
PART-NO.:	12-047X		



MOTORS & DRILLING ACCESSORIES

DRILLING MOTORS WEKA

DRILLING MOTOR	DK1803	DK26	DK32	DK42 B
VOLTAGE:	230 V	230 V	230 V 230 V	400 V
POWER:	2000 W	2600 W	3200 W	3900 W
DRILLING-Ø WET CONCRETE:	20 - 160 mm	40 - 250 mm	55 - 350 mm	70 - 400 mm
GEARS:	3	3	3	3
RATED SPEED:	540 / 1200 / 2520 RPM	320 / 630 / 980 RPM	230 / 480 / 720 RPM	160 / 310 / 490 RPM
SPINDLE:	1 1/4" UNC + G 1/2"	1 1/4" UNC	1 1/4" UNC	1 1/4" UNC
MOTOR-MOUNTING:	60 mm	standard holes pattern	standard holes pattern	standard holes pattern
WEIGHT:	5,9 kg	11,9 kg	11,9 kg	19,0 kg
PART-NO.:	12-288	12-298	12-295	12-285



DRILLING MOTORS WEKA

DRILLING MOTOR	DK52	SR25	SR38	SR7508
VOLTAGE:	400 V	230 V	230 V	400 V
POWER:	5200 W	3700 W	3700 W	7500 W
DRILLING-Ø WET CONCRETE:	110 - 500 mm	80 - 370 mm	40 - 400 mm	150 - 900 mm
GEARS:	3	6	18	15
RATED SPEED:	160 / 260 / 410 RPM	230 - 570 RPM	180 - 1370 RPM	60 - 360 RPM
SPINDLE:	1 1/4" UNC	1 1/4" UNC	1 1/4" UNC	M33/3 Adapter to 1 1/4" UNC
MOTOR-MOUNTING:	standard holes pattern	big holes pattern	big holes pattern	big holes pattern
WEIGHT:	22,9 kg	14,7 kg	16,5 kg	19,5 kg
PART-NO.:	12-290	12-283	12-281	12-286




EXTENSION RODS



PART-NO.:	LENGTH:
EXTENSION R 1/2"	
MATERIAL STEEL	
13-011	300 mm
13-012	500 mm
EXTENSION 1 1/4" UNC	
MATERIAL ALUMINIUM	
13-013	100 mm
13-014	200 mm
13-015	300 mm
13-017	500 mm
MATERIAL STEEL	
13-01301	100 mm
13-01401	200 mm
13-01501	300 mm
13-01701	500 mm

WATER COLLECTING RINGS



The water collecting rings are universally applicable for all core drilling machines as they are not attached to the drill stand. It is necessary to connect a wet vacuum cleaner, which provides the necessary negative pressure for holding on the floor and wall and at the same time sucks off the water.

PART-NO.:	DRILL-Ø MAX.:	TYPE:
13-640	100 mm	WSR 100
13-641	150 mm	WSR 150
13-642	200 mm	WSR 200
13-643	250 mm	WSR 250
13-644	350 mm	WSR 350

PRESSURIZED WATER TANK

Plastic tank
Capacity 10 l, 4,0 m hose, valve, Gardena-coupling, max. pressure 3 bar



PART-NO.: 13-035

PRESSURIZED WATER TANK

Metal tank
Capacity 10 l, 3,5 m hose, valve, Gardena-coupling, max. pressure 6 bar, manometer



PART-NO.: 13-034

VACUUM PUMP-5 L

Includes dehydrator with filter, holding valve and quick coupling DN7



VOLTAGE:	230 V / 50 Hz
POWER OUTPUT:	200 W
FLOW RATE:	80 l / min
PRESSURE:	<- 0,8 bar
MANOMETER:	-1 to 0 bar
L x W x H:	345 x 210 x 280 mm
WEIGHT:	10 kg
PART-NO.:	13-001

QUICK FIXING PROP


Ranging from 1700 mm up to 3000 mm



WEIGHT:	8,7 kg
PART-NO.:	13-003

WHEELS


Wheels for BS + XXL drill rig



PART-NO.:	12-042
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ADAPTER

R 1/2" male - 1/4" UNC male PART-NO.: 13-070	M16 female R 1/2" female PART-NO.: 13-079	DD-BI 6 (3) slots - 1/4", UNC male/R 1/2" female PART-NO.: 13-07202	Flat thread - 1/4" UNC male PART-NO.: 13-077
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MACHINE CONNECTION:	DRILL BIT CONNECTION	PART-NO.:
R 1/2" male	1/4" UNC male	13-070
R 1/2" male	M14 male	13-07802
R 1/2" male	M16 male	13-078
R 1/2" female	R 1/2" female	13-087
1/4" UNC female	R 1/2" female	13-071
1/4" UNC male	M16 male	13-07102
M18x2,5 female	R 1/2" female	13-074
M16 female	R 1/2" female	13-079
5/8" female	R 1/2" female	13-086
M30x2 female	1/4" UNC male	13-085
M33/3 female	1/4" UNC male	13-088
DD-BI 6 (3) slots	1/4" UNC male/R 1/2" female	13-07202
DD-BU	1/4" UNC male	13-073
DD-BL	1/4" UNC male	13-07301
Flat thread	R 1/2" female	13-076
Flat thread	1/4" UNC male	13-077

DISTANCE-MOTOR-PLATES

13-610	13-611	13-612	12-043	12-044	12-070	12-04320	12-04460	12-703
PART-NO.:	NAME:	SIZE:						
For all KDS drill rigs								
13-610	DISTANCE PLATE	30 mm						
13-611	DISTANCE PLATE	60 mm						
13-612	DISTANCE PLATE	90 mm						
For all BS drill rigs								
12-043	MOTOR MOUNTING PLATE	20 mm up to drill-Ø 340 mm						
12-044	MOTOR MOUNTING PLATE	60 mm up to drill-Ø 420 mm						
12-070	MOTOR QUICK COUPLING	MSKX						
12-04320	DISTANCE PLATE	20 mm						
12-04460	DISTANCE PLATE	60 mm						
For all XXL drill rigs								
12-703	DISTANCE PLATE	40 mm						

WE RESERVE THE RIGHT TO ALTER TECHNICAL SPECIFICATIONS.

FLOOR SAW KDF700-7,5 E

TECHNICAL DETAILS:

MOTOR:	Electric 400 V / 50 Hz
ELECTRICAL CONNECTION:	16 A
POWER:	7,5 kW
RATED SPEED:	1500 RPM
DIAMOND SAW BLADE-Ø:	max. 700 mm
SPINDLE:	25,40 mm
USE OF BLADE:	right/left
MAX. CUTTING DEPTH:	280 mm
CUTTING DEPTH ADJUSTMENT:	via hand wheel
DRIVE:	manuel
DIMENSIONS l x w x h:	1250 x 620 x 1100 mm
WEIGHT:	135 kg ex bladeguard
PART-NO.:	50-410



FLOOR SAW KDF800-7,5 E

TECHNICAL DETAILS:

MOTOR:	Electric 400 V / 50 Hz
ELECTRICAL CONNECTION:	16 A
POWER:	7,5 kW
RATED SPEED:	1345 RPM
DIAMOND SAW BLADE-Ø:	max. 800 mm
SPINDLE:	25,40 mm
USE OF BLADE:	right/left
MAX. CUTTING DEPTH:	330 mm
CUTTING DEPTH ADJUSTMENT:	via hand wheel
DRIVE:	manuel
DIMENSIONS l x w x h:	1250 x 620 x 1100 mm
WEIGHT:	135 kg ex bladeguard
PART-NO.:	50-400



FLOOR SAW KDF800-11 E

TECHNICAL DETAILS:

MOTOR:	ELECTRIC 400V / 50Hz
ELECTRICAL CONNECTION:	32 A
POWER:	11 kW
RATED SPEED:	1300 RPM
DIAMOND SAW BLADE-Ø:	max. 800 mm
SPINDLE:	25,40 mm
USE OF BLADE:	right / left
MAX. CUTTING DEPTH:	320 mm
CUTTING DEPTH ADJUSTMENT:	via hand wheel
DRIVE:	manuel
DIMENSIONS l x w x h:	1270 x 640 x 980 mm
WEIGHT:	158 kg ex bladegaurd
PART-NO.:	50-300



FLOOR SAW KDF350-B/H

TECHNICAL DETAILS:

MOTOR:	HONDA GX200
POWER:	4,1 kW / 5,5 Hp
DIAMOND SAW BLADE-Ø:	350 mm
RATED SPEED:	3600 RPM
SPINDLE:	25,40 mm
MAX. CUTTING DEPTH:	120 mm
CUTTING DEPTH ADJUSTMENT:	via hand wheel
DRIVE:	manuel
WATERTANK:	19 l
DIMENSIONS l x w x h:	1080 x 450 x 975 mm
WEIGHT:	75 kg
PART-NO.:	50-310H



FLOOR SAW KDF450-B/H

TECHNICAL DETAILS:

MOTOR:	HONDA GX390
POWER:	8,7 kW / 11,7 Hp
DIAMOND SAW BLADE-Ø:	450 mm
RATED SPEED:	2500 RPM
SPINDLE:	25,40 mm
MAX. CUTTING DEPTH:	170 mm
CUTTING DEPTH ADJUSTMENT:	via hand wheel
DRIVE:	manuel
WATERTANK:	25 l
DIMENSIONS l x w x h:	1080 x 600 x 975 mm
WEIGHT:	100 kg
PART-NO.:	50-320H



ACCESSORIES FLOOR SAW ELECTRICAL

ALTERNATIVE HANDLE WITH U-SHAPE



PART-NO.:	TYPE:
53-365	for floor saw KDF700/800 - 7,5 E
53-366	for floor saw KDF800 - 11 E

CHAMFER BLADE

(on request)



BENCH SAW KDT350-E

TECHNICAL DETAILS:

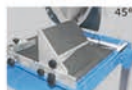
VOLTAGE:	230 V
POWER:	2200 W
RATED SPEED:	2800 RPM
DIAMOND SAW BLADE-Ø:	350 mm
SPINDLE:	25,40 mm
MAX. CUTTING DEPTH:	115 mm
MAX. CUTTING LENGTH:	600 mm
ANGLE CUTTING:	45° (Jolly)
DIMENSIONS l x w x h:	1250 x 610 x 1300 mm
WEIGHT:	62,0 kg
PART-NO.:	50-020



KDT-5/600S

TECHNICAL DETAILS:

THREE-PHASE MOTOR (HP):	5,5
SINGLE-PHASE MOTOR (HP):	3
ELECTROPUMP (W):	50
BLADE SPEED (RPM):	1600
BLADE HOLE DIAMETRE (Ø mm):	25,4
BLADE DIAMETRE (Ø mm):	600
MAX. CUTTING HEIGHT 90° (mm):	230
MAX. CUTTING LENGTH (mm):	730
SIZES (mm):	565 x 700
WEIGHT (Kg):	1350 x 800 / h1520
WEIGHT:	140
PART-NO.:	50-950



BENCH SAW KDT – S0800 – S1000 – S1200 – S1500 – S2000


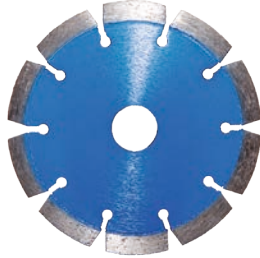

TECHNICAL DETAILS:

	S0800	S1000	S1200	S1500	S2000
THREE-PHASE MOTOR (HP):	3	3	3	3	3
SINGLE-PHASE MOTOR (HP):	3	3	3	3	3
ELECTROPUMP (W):	50	50	50	50	50
BLADE SPEED (RPM):	2800	2800	2800	2800	2800
BLADE HOLE DIAMETRE (Ø mm):	25,4	25,4	25,4	25,4	25,4
BLADE DIAMETRE (Ø mm):	300 /350	300 /350	300 /350	300/350	300/350
MAX. CUTTING HEIGHT 90° (mm):	85 /110	85 /110	85 /110	85/110	85/110
MAX. CUTTING LENGTH (mm):	800	1000	1200	1500	2000
SIZES (mm):	1300x850 h1450	1500x850 h1450	1700x850 h1450	2000x850 h1450	2500x850 h1450
WEIGHT (Kg):	110	120	130	140	165
PART-NO.:	50-951	50-952	50-953	50-954	50-955



BLADES FOR ANGLE GRINDERS


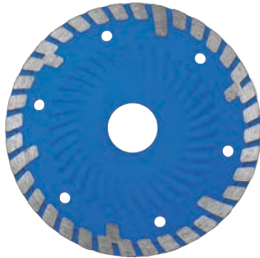

LASER LU

APPLICATION:	universal, medium to hard materials
CHARACTERISTIC:	extremely fast cutting
KIND OF PRODUCTION:	laser welded
TYPE OF SEGMENTS:	segmented

Ø x BORE HOLE (mm):	PART-NO.:
100 x 22,23	23-901
115 x 22,23	23-902
125 x 22,23	23-903
180 x 22,23	23-904
230 x 22,23	23-905


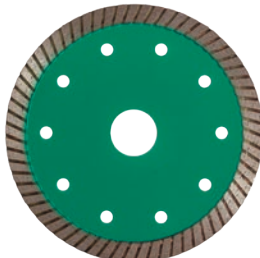

TURBO TDC

APPLICATION:	universal, concrete stones, soft granite, marble (medium)
CHARACTERISTIC:	very fast cutting
KIND OF PRODUCTION:	sintered
TYPE OF SEGMENTS:	continuous rim Turbo

Ø x BORE HOLE (mm):	PART-NO.:
105 x 22,23	24-900
115 x 22,23	24-901
125 x 22,23	24-902
180 x 22,23	24-905
230 x 22,23	24-907


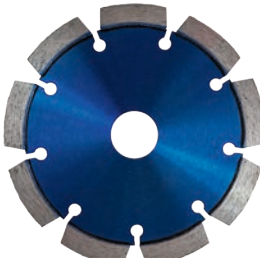

TURBO TEC (DST)

APPLICATION:	hard artificial sandstone, granite, marble (medium hard), roof tiles, concrete and similar materials
CHARACTERISTIC:	fast cutting, long lifetime
KIND OF PRODUCTION:	sintered
TYPE OF SEGMENTS:	continuous rim Turbo

Ø x BORE HOLE (mm):	PART-NO.:
105 x 22,23	24-019
115 x 22,23	24-020
125 x 22,23	24-021
140 x 22,23	24-017
150 x 22,23	24-024
180 x 22,23	24-022
200 x 22,23	24-018
200 x 25,40	24-018254
230 x 22,23	24-023


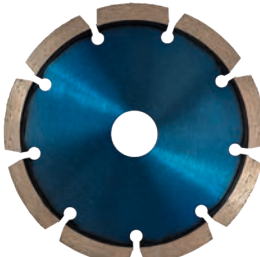

LASER HCG

APPLICATION:	universal, medium to very hard materials, very good in hard artificial sandstone
CHARACTERISTIC:	very fast cutting, long lifetime
KIND OF PRODUCTION:	laser welded, partly Made in Germany
TYPE OF SEGMENTS:	segmented

Ø x BORE HOLE (mm):	PART-NO.:
115 x 22,23	25-050
125 x 22,23	25-051
150 x 22,23	25-054
180 x 22,23	25-052
230 x 22,23	25-05310

LASER VHCG

APPLICATION:	universal, medium to very hard materials, very good in hard artificial sandstone
CHARACTERISTIC:	extremely fast cutting, very long lifetime
KIND OF PRODUCTION:	laser welded, Made in Germany
TYPE OF SEGMENTS:	segmented

Ø x BORE HOLE (mm):	PART-NO.:
115 x 22,23	25-040
125 x 22,23	25-041
150 x 22,23	25-044
180 x 22,23	25-042
230 x 22,23	25-043

BLADES FOR ANGLE GRINDERS / BENCH SAWS

SINTER SGS



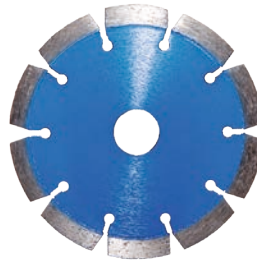
APPLICATION:

general purpose – building material

CHARACTERISTIC: fast cutting

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: segmented



Ø x BORE HOLE (mm): PART-NO.:

115 x 22,23	24-141
125 x 22,23	24-142
180 x 22,23	24-144
230 x 22,23	24-145

CC-P (DSK)



APPLICATION:

tiles, marble, ceramics and similar materials

CHARACTERISTIC: very fast cutting, long lifetime

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: continuous rim



Ø x BORE HOLE (mm): PART-NO.:

105 x 22,23	24-044
115 x 22,23	24-040
125 x 22,23	24-041
150 x 22,23	24-042
230 x 22,23	24-043
250 x 25,40	24-058
300 x 25,40	24-054
350 x 25,40	24-057

CC-F (DSP)



APPLICATION:

tiles, hard pressed tiles, ceramics, terracotta, granite, marble, glass and similar materials

CHARACTERISTIC: fine cutting

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: continuous rim



Ø x BORE HOLE (mm): PART-NO.:

115 x 22,23	24-094
125 x 22,23	24-095
150 x 22,23	24-096
180 x 22,23	24-097
200 x 22,23	24-099
230 x 22,23	24-098
250 x 25,40	24-091
300 x 25,40	24-092
350 x 25,40	24-093

TURBO TEC-P (VDC)



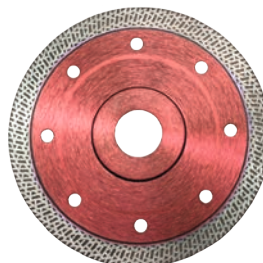
APPLICATION:

extremely hard tiles, terracotta, hard pressed tiles and similar materials

CHARACTERISTIC: fine cutting

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: continuous rim Turbo special



Ø x BORE HOLE (mm): PART-NO.:

115 x 22,23	24-874
125 x 22,23	24-875
230 x 22,23	24-878

EPB - ELECTRO PLATED



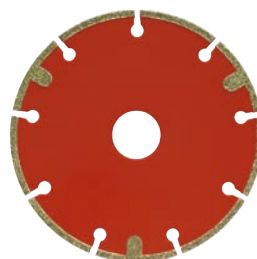
APPLICATION:

tiles, ceramics, marble and similar materials

CHARACTERISTIC: very fast cutting

KIND OF PRODUCTION: electro plated

TYPE OF SEGMENTS: segmented



Ø x BORE HOLE (mm): PART-NO.:

115 x 22,23	28-101
125 x 22,23	28-102
180 x 22,23	28-103
230 x 22,23	28-104

BLADES FOR BENCH SAWS

SILVER BRAZED DSM

APPLICATION: marble, hard pressed tiles, ceramics, terracotta, granite, glass and similar materials		Ø x BORE HOLE (mm):	PART-NO.:
CHARACTERISTIC: extremely fast cutting		250 x 50	26-240
KIND OF PRODUCTION: silver brazed		300 x 50	26-250
TYPE OF SEGMENTS: segmented, narrow slotted		350 x 50	26-251
		400 x 50	26-252
	500 x 50	26-254	

SILVER BRAZED DSG

APPLICATION: granite, basalt, concrete, products and similar materials		Ø x BORE HOLE (mm):	PART-NO.:
CHARACTERISTIC: extremely fast cutting		250 x 50	26-245
KIND OF PRODUCTION: silver brazed		300 x 50	26-230
TYPE OF SEGMENTS: segmented, narrow slotted		350 x 50	26-231
		400 x 50	26-232
		500 x 50	26-234
	600 x 50	26-235	

LASER TS-PLUS

APPLICATION: universal, for medium to very hard materials		Ø x BORE HOLE (mm):	PART-NO.:
KIND OF PRODUCTION: laser welded		300 x 20,00	23-03520
TYPE OF SEGMENTS: segmented, narrow slotted, Turbo		300 x 25,40	23-035
		350 x 20,00	23-03620
		350 x 25,40	23-036
		400 x 25,40	23-037
		450 x 25,40	23-038
		500 x 25,40	23-039

LASER LC-PLUS

APPLICATION: concrete, concrete stones, brickwork and similar materials		Ø x BORE HOLE (mm):	PART-NO.:
KIND OF PRODUCTION: laser welded, Made in Germany		300 x 20,00	23-04020
TYPE OF SEGMENTS: segmented, narrow slotted		300 x 25,40	23-040
		350 x 20,00	23-04120
		350 x 25,40	23-041

WE RESERVE THE RIGHT TO ALTER TECHNICAL SPECIFICATIONS.

BLADES FOR BENCH SAWS / FLOOR SAWS

RAPID

APPLICATION:
reinforced concrete, concrete pipes, concrete pavement

KIND OF PRODUCTION:
laser welded, Made in Germany

TYPE OF SEGMENTS:
segmented, narrow slotted

Ø x BORE HOLE (mm): **PART-NO.:**

300 x 25,40	26-401
350 x 25,40	26-402
400 x 25,40	26-403
450 x 25,40	26-404

LASER FA-UNI (ABRASIVO)

APPLICATION:
asphalt and similar abrasive materials

KIND OF PRODUCTION:
laser welded, Made in Germany

TYPE OF SEGMENTS:
segmented, with undercut protection

Ø x BORE HOLE (mm): **PART-NO.:**

300 x 25,40	25-202
350 x 25,40	25-203
400 x 25,40	25-204
450 x 25,40	25-205

CONCRETE LOOPING

APPLICATION:
concrete

KIND OF PRODUCTION:
brazed, Made in Germany

TYPE OF SEGMENTS: segmented

Ø x BORE HOLE (mm): **WIDE:** **PART-NO.:**

350 x 25,40	6 mm	26-500
350 x 25,40	8 mm	26-501
350 x 25,40	10 mm	26-502
350 x 25,40	12 mm	26-503
350 x 25,40	14 mm	26-504

ASPHALT LOOPING

APPLICATION:
asphalt









KIND OF PRODUCTION:
brazed, Made in Germany

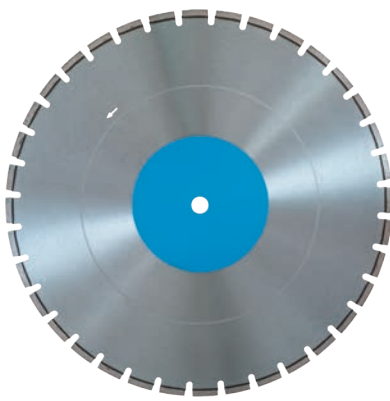
TYPE OF SEGMENTS: segmented









Ø x BORE HOLE (mm): **WIDE:** **PART-NO.:**

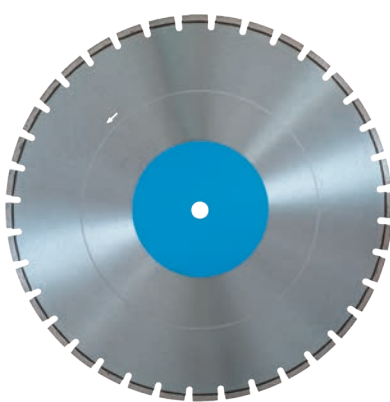
350 x 25,40	6 mm	26-510
350 x 25,40	8 mm	26-511
350 x 25,40	10 mm	26-512
350 x 25,40	12 mm	26-513
350 x 25,40	14 mm	26-514









BLADES FOR BENCH SAWS / FLOOR SAWS


LASER X500    Floor saws between 7,5 - 20 kW     

APPLICATION:		Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
concrete, old concrete, reinforced concrete and similar materials		500	40 x 3,8 x 9	25-774
CHARACTERISTIC: extremely fast cutting, very long lifetime		600	40 x 3,8 x 9	25-770
KIND OF PRODUCTION: laser welded, Made in Germany		600	40 x 4,8 x 9	25-775
TYPE OF SEGMENTS: segmented		650	40 x 3,8 x 9	25-779
Please name the bore hole size when placing an order.	700	40 x 3,8 x 9	25-771	
	700	40 x 4,5 x 9	25-777	
	750	40 x 4,5 x 9	25-778	
	800	40 x 4,5 x 9	25-772	
	900	40 x 4,5 x 9	25-776	
	1000	40 x 4,5 x 9	25-773	





LASER X500E    Floor saws between 7,5 - 20 kW     

APPLICATION:		Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
concrete, old concrete, reinforced concrete and similar materials		500	40 x 3,8 x 9	25-754
CHARACTERISTIC: fast cutting		600	40 x 3,8 x 9	25-755
KIND OF PRODUCTION: laser welded, Made in Germany				
TYPE OF SEGMENTS: segmented				
Please name the bore hole size when placing an order.				

LASER X800    Floor saws between 7,5 - 20 kW     

APPLICATION:		Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
asphalt and similar materials		500	40 x 3,8 x 9	25-784
CHARACTERISTIC: extremely fast cutting		600	40 x 3,8 x 9	25-780
KIND OF PRODUCTION: laser welded, Made in Germany		600	40 x 4,8 x 9	25-785
TYPE OF SEGMENTS: segmented		650	40 x 3,8 x 9	25-789
Please name the bore hole size when placing an order.	700	40 x 3,8 x 9	25-781	
	700	40 x 4,5 x 9	25-787	
	750	40 x 4,5 x 9	25-788	
	800	40 x 4,5 x 9	25-782	
	900	40 x 4,5 x 9	25-786	
	1000	40 x 4,5 x 9	25-783	

BLADES FOR WALL SAWS AND PRECAST

ONYX    Noise reduced steel centres on request. 

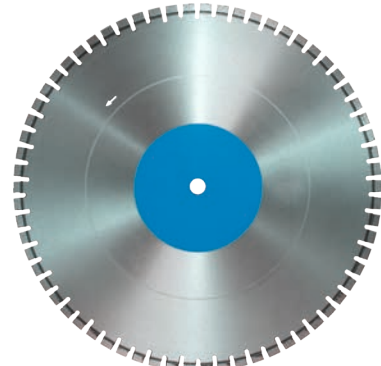
APPLICATION:
universal, concrete, brickwork and similar materials

CHARACTERISTIC: extremely fast cutting





KIND OF PRODUCTION: laser welded, from 1500 mm brazed, Made in Germany

TYPE OF SEGMENTS: segmented, 20 mm version up to 1200 mm

Please name the bore hole size when placing an order.



Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
450	20 x 3,8 x 12	25-842
450	20 x 4,8 x 12	25-841
500	20 x 3,8 x 12	25-830
600	20 x 3,8 x 12	25-831
600	20 x 4,8 x 12	25-832
650	20 x 4,8 x 12	25-844
700	20 x 3,8 x 12	25-833
700	20 x 4,5 x 12	25-834
750	20 x 4,5 x 12	25-835
800	20 x 4,5 x 12	25-836
900	20 x 4,5 x 12	25-837
1000	20 x 4,5 x 12	25-838
1200	20 x 4,5 x 12	25-839
1500	40 x 4,5 x 12	25-840

LUXOR    Noise reduced steel centres on request. 

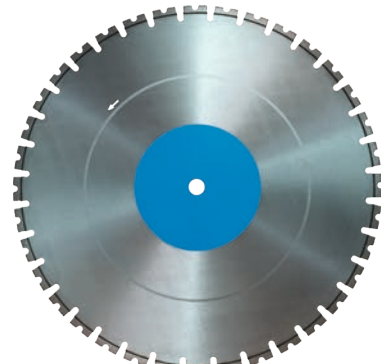
APPLICATION:
universal, concrete, brickwork and similar materials

CHARACTERISTIC: long lifetime





KIND OF PRODUCTION: laser welded, Made in Germany

TYPE OF SEGMENTS: segmented, U-shape

Please name the bore hole size when placing an order.



Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
600	40 x 4,8 x 10	29-832
800	40 x 4,5 x 10	29-836
1000	40 x 4,5 x 10	29-838
1200	40 x 4,5 x 10	29-839

HOLLOW CORE SLABS SB-N8    Noise reduced steel centres on request. 

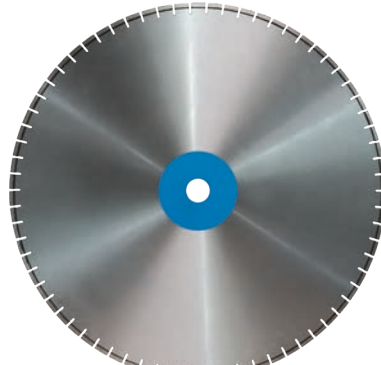
APPLICATION:
hollow core slabs, precast concrete

CHARACTERISTIC: long lifetime





KIND OF PRODUCTION: laser welded, from Ø 1300 mm brazed, Made in Germany

TYPE OF SEGMENTS: segmented, narrow slotted, 12 mm high

Please name the bore hole size when placing an order.



Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
800	40 x 7,5 x 11	27-105
900	40 x 7,5 x 11	27-100
1000	40 x 7,5 x 11	27-101
1100	40 x 7,5 x 11	27-102
1200	40 x 7,5 x 11	27-103
1300	40 x 7,5 x 11	27-104

PD    Noise reduced steel centres on request. 

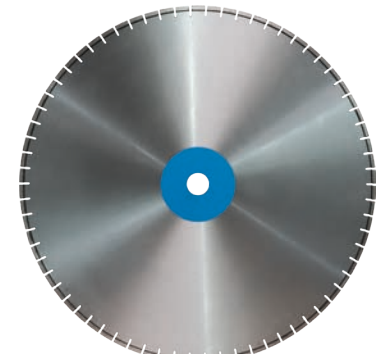
APPLICATION:
concrete pipes

CHARACTERISTIC:
very fast cutting, long lifetime

KIND OF PRODUCTION: laser welded or brazed

TYPE OF SEGMENTS: segmented, narrow slotted, 12 mm high

Please name the bore hole size when placing an order.



Ø (mm):	SEGMENTS: l x w x h	PART-NO.:
900	40 x 7,5 x 10	27-120
1000	40 x 7,5 x 10	27-121
1100	40 x 7,5 x 10	27-122
1200	40 x 7,5 x 10	27-123
1300	40 x 7,5 x 10	27-124

MORTAR RAKING BLADES FS

APPLICATION:
abrasive materials, mortar, roughcast, brickwork and similar materials

KIND OF PRODUCTION: brazed / laser welded

TYPE OF SEGMENTS: segmented



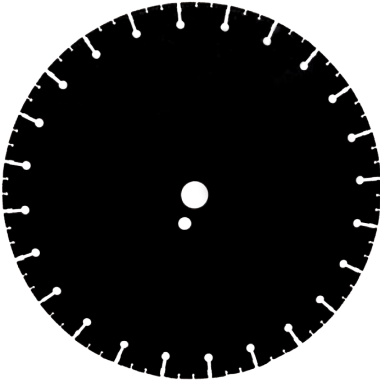
DIMENSIONS (mm):		PART-NO.:
115 x 22,23	4,5 mm wide	29-001
115 x 22,23	6,0 mm wide	29-004-6
115 x 22,23	6,4 mm wide	29-004
115 x 22,23	8,0 mm wide	29-009
125 x 22,23	4,5 mm wide	29-002
125 x 22,23	6,0 mm wide	29-005-6
125 x 22,23	6,4 mm wide	29-005
125 x 22,23	8,0 mm wide	29-012
125 x 22,23	10,0 mm wide	29-010
150 x 22,23	6,4 mm wide	29-011
180 x 22,23	6,4 mm wide	29-006

ALLCUT AC

APPLICATION:
universal, concrete, natural / artificial stones, metal, plastics, carbon fiber, wood a.s.m.

KIND OF PRODUCTION: vacuum brazed

TYPE OF SEGMENTS: segmented



DIMENSIONS (mm):		PART-NO.:
115 x 22,23		24-451
125 x 22,23		24-452
180 x 22,23		24-453
230 x 22,23		24-454
300 x 25,40		24-456
350 x 25,40		24-457
400 x 25,40		24-458

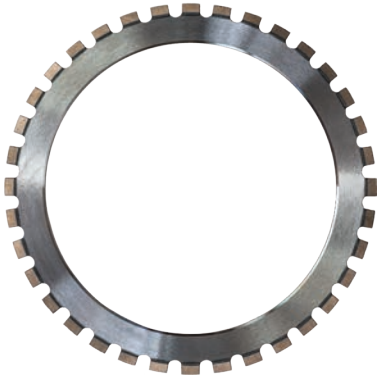
CUTTING RING

APPLICATION:
universal, reinforced concrete, concrete, hard brickwork and similar materials

KIND OF PRODUCTION: laser welded
Made in Germany



TYPE OF SEGMENTS: segmented


CONTENTS OF DELIVERY: * incl.driving wheel






MACHINE:	PART-NO.:
K3500 / K3600 Ø 370 mm 18 segm. 40 x 4,2 x 9 mm	55-011 *
Bender KOGIA 400 Ø 400 mm 36 segm. 20 x 4,2 x 10 mm	55-021
TR40 ANNA Ø 400 mm 36 segm. 20 x 4,2 x 10 mm	55-031 *


CUP GRINDERS

DCG-S  


APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 22,23	single row	29-101
KIND OF PRODUCTION: brazed		115 x 22,23	single row	29-100
TYPE OF SEGMENTS: segmented, single row		125 x 22,23	single row	29-102
		180 x 22,23	single row	29-103


DCG-D  



APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 22,23	double row	29-104
KIND OF PRODUCTION: brazed		115 x 22,23	double row	29-128
TYPE OF SEGMENTS: segmented, double row		125 x 22,23	double row	29-105
		180 x 22,23	double row	29-106


DCG-T  

APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 23,23	turbo	29-107
KIND OF PRODUCTION: brazed				
TYPE OF SEGMENTS: continuous rim Turbo				

DCG-S-S  

APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 22,23	single row	29-501
KIND OF PRODUCTION: sintered		115 x 22,23	single row	29-553
TYPE OF SEGMENTS: segmented, single row		125 x 22,23	single row	29-502
		180 x 22,23	single row	29-503

DCG-D-S  

APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 22,23	double row	29-504
KIND OF PRODUCTION: sintered		115 x 22,23	double row	29-528
TYPE OF SEGMENTS: segmented, double row		125 x 22,23	double row	29-505
		180 x 22,23	double row	29-506

DCG-T-S  

APPLICATION: concrete, natural and artificial stones and similar materials		Ø x BORE HOLE (mm):		PART-NO.:
		100 x 22,23	turbo	29-507
KIND OF PRODUCTION: sintered				
TYPE OF SEGMENTS: continuous rim Turbo				

GRINDING PLATES / GRINDING PADS

GRINDING PLATE KDST		BORE HOLE: 19,05 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.:
KIND OF PRODUCTION: brazed, Made in Germany		250 20 Segm. 40 x 10 x 10	29-302ST
TYPE OF SEGMENTS: segmented			

GRINDING PLATE KD12		BORE HOLE: 19,05 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.:
KIND OF PRODUCTION: brazed, Made in Germany		250 16 Segm. 40 x 10 x 10	29-301
TYPE OF SEGMENTS: segmented		250 20 Segm. 40 x 10 x 10	29-302

GRINDING PLATE KDEB		BORE HOLE: 100 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.:
KIND OF PRODUCTION: brazed, Made in Germany		235 8 Segm. 40 x 10 x 10	29-320
TYPE OF SEGMENTS: segmented			

GRINDING SHOES		BORE HOLE: 19,05 mm	
APPLICATION: floor grinding, underground preparation, roughening		NO x l x w x h (mm): GRIT: MATERIAL:	PART-NO.:
KIND OF PRODUCTION: brazed, Made in Germany		2x 40 x 10 x 10 18 / 20 very hard	30-231
TYPE OF SEGMENTS: segmented		2x 40 x 10 x 10 30 / 40 very hard	30-232
		2x 40 x 10 x 10 18 / 20 medium hard	30-241
		2x 40 x 10 x 10 30 / 40 medium hard	30-242

also available as 6-hole version.
We develop and manufacture grinding shoes in different sizes, shapes, no. of segments and grits.

GRINDING SHOE FRANKFURTER		BORE HOLE: 19,05 mm	
APPLICATION: floor grinding		NO x l x w x h (mm): GRIT: MATERIAL:	PART-NO.:
KIND OF PRODUCTION: brazed, Made in Germany		6x 40 x 10 x 10 18 / 20 very hard	30-261
TYPE OF SEGMENTS: segmented		6x 40 x 10 x 10 30 / 40 very hard	30-262

We develop and manufacture grinding shoes in different sizes, shapes, no. of segments and grits.

WET CORE DRILLS KBN PREMIUM (FC5) 1 1/4" UNC



APPLICATION:

reinforced concrete,
brickwork

CHARACTERISTIC:

very fast cutting, very long lifetime

KIND OF PRODUCTION:

laser welded up to Ø 300 mm – bigger diameters
are brazed, Made in Germany

TYPE OF SEGMENTS:

roof top segments, 11 mm high

CONNECTION:

1 1/4" UNC

EFFECTIVE LENGTH:

450 mm

OUTER-Ø (mm):	SEGMENTS: l x w x h	NO OF SEGMENTS:	PART-NO.:
52	24 x 3,5 x 11	5	16-900
62	24 x 3,5 x 11	6	16-901
68	24 x 3,5 x 11	6	19-936
72	24 x 3,5 x 11	7	16-902
78	24 x 3,5 x 11	7	16-935
82	24 x 3,5 x 11	7	16-903
92	24 x 3,5 x 11	8	16-904
102	24 x 3,5 x 11	8	16-905
112	24 x 3,5 x 11	9	16-907
122	24 x 3,5 x 11	10	19-908
132	24 x 3,5 x 11	11	16-910
152	24 x 4,0 x 11	12	16-933
162	24 x 4,0 x 11	12	16-912
182	24 x 4,0 x 11	13	16-916
200	24 x 4,0 x 11	14	16-915
250	24 x 4,5 x 11	15	16-923
300	24 x 4,5 x 11	17	16-924
350	24 x 4,5 x 10	18	16-925
400	24 x 5,0 x 10	20	16-926
450	24 x 5,0 x 10	22	16-927
500	24 x 5,0 x 10	25	16-928
550	24 x 5,0 x 10	30	16-943
600	24 x 5,0 x 10	30	16-929
700	24 x 5,0 x 10	35	19-930
800	24 x 5,0 x 10	40	16-931
1000	24 x 5,0 x 10	45	16-932

WET CORE DRILLS KBN (DB10) R 1/2"



APPLICATION:

reinforced concrete,
brickwork

CHARACTERISTIC:

very fast cutting,
very long lifetime

KIND OF PRODUCTION:

laser welded or brazed,
Made in Germany

TYPE OF SEGMENTS:

roof top segments,
ring segments

CONNECTION:

R 1/2"



OUTER-Ø:	EFFECTIVE LENGTH (mm):	SEGMENTS: l x w x h	NO OF SEGMENTS:	PART-NO.:
10	320	ring segments		14-002
12	320	ring segments		14-003
14	320	ring segments		14-004
16	320	ring segments		14-005
18	400	ring segments		14-006
20	400	ring segments		14-007
22	400	ring segments		14-008
24	400	ring segments		14-024
25	400	ring segments		14-009
26	400	ring segments		14-028
28	400	ring modul		14-025
30	400	ring modul		14-010
32	400	ring modul		14-011
35	400	ring modul		14-030
38	400	ring modul		14-032
40	400	ring modul		14-012
42	400	ring modul		14-031
50	400	20 x 3,0 x 8	6	14-013
52	400	20 x 3,0 x 8	6	14-036
55	400	20 x 3,0 x 8	6	14-029
60	400	20 x 3,0 x 8	6	14-014
68	400	20 x 3,0 x 8	7	14-026
72	400	20 x 3,0 x 8	7	14-015
82	400	20 x 3,0 x 8	8	14-016
92	400	20 x 3,0 x 8	9	14-017
102	400	20 x 3,0 x 8	9	14-018
112	400	20 x 3,0 x 8	10	14-019
122	400	20 x 3,0 x 8	10	14-020
132	400	24 x 3,5 x 11	11	14-021
142	400	24 x 3,5 x 11	12	14-022
152	400	24 x 4,0 x 11	12	14-023

WET CORE DRILLS KBN PREMIUM 1 1/4" UNC



APPLICATION:

reinforced concrete – taking core specimens

CHARACTERISTIC: very fast cutting

KIND OF PRODUCTION:

laser welded, Made in Germany

TYPE OF SEGMENTS: roof top segments

CONNECTION: 1 1/4" UNC

EFFECTIVE LENGTH: 450 mm



OUTER-Ø (mm):	INNER-Ø (mm):	SEGMENTS: l x w x h	NO OF SEGMENTS:	PART-NO.:
57	50	24 x 3,5 x 11	5	16-981
107	100	24 x 3,5 x 11	9	16-906
158	150	24 x 4,0 x 11	12	16-951
208	200	24 x 4,0 x 11	14	16-982

WET CORE DRILLS KBA PREMIUM 1 1/4" UNC



APPLICATION:

asphalt – taking core specimen

CHARACTERISTIC: very fast cutting

KIND OF PRODUCTION:

laser welded, Made in Germany

TYPE OF SEGMENTS: roof top segments

CONNECTION: 1 1/4" UNC

EFFECTIVE LENGTH: 450 mm



OUTER-Ø (mm):	INNER-Ø (mm):	SEGMENTS: l x w x h	NO OF SEGMENTS:	PART-NO.:
57	50	24 x 3,5 x 11	5	16-381
107	100	24 x 3,5 x 11	9	16-306
158	150	24 x 4,0 x 11	12	16-351
208	200	24 x 4,0 x 11	14	16-382

WET CORE DRILLS KBU PREMIUM 1 1/4" UNC



APPLICATION:

reinforced concrete, brickwork

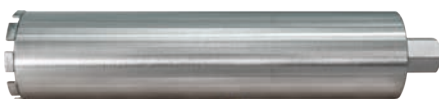
CHARACTERISTIC: fast cutting, long lifetime

KIND OF PRODUCTION: Made in Germany

TYPE OF SEGMENTS: roof top segments

CONNECTION: 1 1/4" UNC

EFFECTIVE LENGTH: 450 mm



OUTER-Ø (mm):	SEGMENTS: l x w x h	NO OF SEGMENTS:	PART-NO.:
52	24 x 3,5 x 10	5	16-800
58	24 x 3,5 x 10	5	16-842
62	24 x 3,5 x 10	5	16-801
65	24 x 3,5 x 10	6	16-818
68	24 x 3,5 x 10	6	16-836
72	24 x 3,5 x 10	6	16-802
78	24 x 3,5 x 10	7	16-835
82	24 x 3,5 x 10	7	16-803
92	24 x 3,5 x 10	8	16-804
102	24 x 3,5 x 10	8	16-805
107	24 x 3,5 x 10	9	16-806
112	24 x 3,5 x 10	9	16-807
122	24 x 3,5 x 10	10	16-808
125	24 x 3,5 x 10	10	16-837
127	24 x 3,5 x 10	10	16-809
132	24 x 3,5 x 10	11	16-810
142	24 x 3,5 x 10	12	16-817
152	24 x 4,0 x 10	12	16-833
162	24 x 4,0 x 10	12	16-812
172	24 x 4,0 x 10	13	16-813
182	24 x 4,0 x 10	13	16-816
187	24 x 4,0 x 10	14	16-847
192	24 x 4,0 x 10	14	16-814
200	24 x 4,0 x 10	14	16-815
212	24 x 4,0 x 10	14	16-834
225	24 x 4,0 x 10	15	16-822
232	24 x 4,0 x 10	15	16-840
250	24 x 4,5 x 10	15	16-823
257	24 x 4,5 x 10	15	16-841
300	24 x 4,5 x 10	17	16-824
305	24 x 4,5 x 10	17	16-878
350	24 x 4,5 x 10	18	16-825
400	24 x 5,0 x 10	20	16-826
450	24 x 5,0 x 10	22	16-827
500	24 x 5,0 x 10	25	16-828
550	24 x 5,0 x 10	30	16-843
600	24 x 5,0 x 10	30	16-829
700	24 x 5,0 x 10	35	16-830
800	24 x 5,0 x 10	40	16-831
1000	24 x 5,0 x 10	45	16-832

SEGMENTS / RINGS / VACUUM BRAZED DRILL BITS

SINGLE SEGMENTS KBN PREMIUM

APPLICATION:

reinforced concrete, brickwork

TYPE:

roof top segment,
Made in Germany

CHARACTERISTIC:

very fast cutting



DIMENSIONS (mm), l x w x h:

FOR Ø (mm):

PART-NO.:

24 x 3,5 x 10	Ø 52 - 58	60-050
24 x 3,5 x 10	Ø 59 - 67	60-057
24 x 3,5 x 10	Ø 68 - 82	60-051
24 x 3,5 x 10	Ø 83 - 110	60-058
24 x 3,5 x 10	Ø 112 - 132	60-052
24 x 3,5 x 10	Ø 133 - 165	60-059
24 x 4,0 x 10	Ø 133 - 165	60-053
24 x 4,5 x 10	Ø 133 - 165	60-061
24 x 4,0 x 10	Ø,166 - 212	60-054
24 x 4,0 x 10	Ø 213 - and bigger	60-060
24 x 4,5 x 10	Ø 213 - and bigger	60-055
24 x 5,0 x 10	Ø 213 - and bigger	60-056

RING SEGMENTS / CROWNS DB10

Ring segment DB10

APPLICATION: reinforced concrete, granite

TYPE: ring segment, Made in Germany



Ring modul DB10

APPLICATION: reinforced concrete, granite

TYPE: ring modul, Made in Germany



DIMENSIONS (mm):

FOR DRILL BITS (mm):

PART-NO.:

Ø 10	Ø 10	60-102
Ø 12	Ø 12	60-103
Ø 14	Ø 14	60-104
Ø 16	Ø 16	60-105
Ø 18	Ø 18	60-106
Ø 20	Ø 20	60-107
Ø 22	Ø 22	60-108
Ø 24	Ø 24	60-109
Ø 25	Ø 25	60-110
Ø 26	Ø 26	60-111
Ø 28	Ø 28	60-112
Ø 30	Ø 30	60-113
Ø 32	Ø 32	60-114
Ø 35	Ø 35	60-115
Ø 38	Ø 38	60-116
Ø 40	Ø 40	60-117
Ø 42	Ø 42	60-118

DRILL BITS KBF-PREMIUM

APPLICATION:

tiles, ceramics, hard pressed tiles, granite, marble

KIND OF PRODUCTION: vacuum brazed

TYPE OF SEGMENTS: continuous rim - 15 mm height

CONNECTION: M14 (for angle grinders)

EFFECTIVE LENGTH: 32 mm



OUTER-Ø (mm):

SEGMENTS:

PART-NO.:

6	continuous rim	14-050P
8	continuous rim	14-051P
10	continuous rim	14-052P
12	continuous rim	14-053P
14	continuous rim	14-054P
16	continuous rim	14-071P
18	continuous rim	14-055P
20	continuous rim	14-056P
22	continuous rim	14-057P
25	continuous rim	14-058P
28	continuous rim	14-079P
30	continuous rim	14-072P
32	continuous rim	14-059P
35	continuous rim	14-060P
38	continuous rim	14-061P
40	continuous rim	14-062P
45	continuous rim	14-063P
50	continuous rim	14-064P
55	continuous rim	14-070P
60	continuous rim	14-065P
65	continuous rim	14-066P
68	continuous rim	14-069P
70	continuous rim	14-073P
75	continuous rim	14-068P
80	continuous rim	14-074P
90	continuous rim	14-075P
110	continuous rim	14-078P

DRILL BIT DRY DB 16



APPLICATION: concrete stones, extremely hard artificial sandstone, old bricks

CHARACTERISTIC: fast cutting

KIND OF PRODUCTION: laser welded or brazed

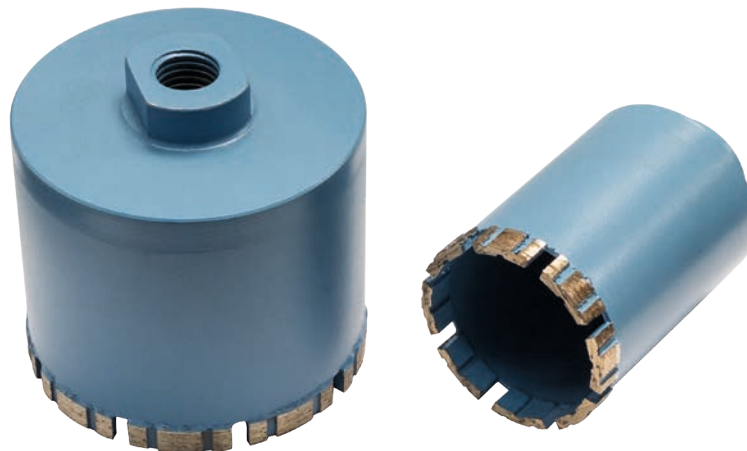
CONNECTION: M16

EFFECTIVE LENGTH: 70 mm

DIMENSIONS (mm),
Ø x effective length, l x w x h:

PART-NO.:

20	70	10 x 2,5 x 7	10-801
25	70	10 x 2,5 x 7	10-802
30	70	10 x 2,5 x 7	10-803
35	70	10 x 2,5 x 7	10-804
40	70	10 x 2,5 x 7	10-805
45	70	10 x 2,5 x 7	10-806
50	70	10 x 2,5 x 7	10-807
62	70	24 x 3,5 x 7	10-808
82	70	24 x 3,5 x 7	10-809
102	70	24 x 3,5 x 7	10-810
105	70	24 x 3,5 x 7	10-811



CONNECTIONS FOR DRY DRILL BITS FOR SOCKET HOLES M16

MACHINE CONNECTION:	DRILL BIT CONNECTION:	i.e. MACHINE:	PART-NO.:
1/2" female	M16 male	Metabo, DeWalt	11-00108
5/8" female	M16 male	Bosch	11-00208
M18 female	M16 male	KERN, Eibenstock, Cardi, Makita, Baier	11-00308
Hexagon	M16 male		11-008
SDS-Plus	M16 male		11-011
SDS-Max	M16 male		11-016
1 1/4" UNC female	M16 male		13-075
R 1/2" male	M16 male		13-078
6 slots	M16 male		13-083



1/2"

5/8"

M18

Hexagon

SDS-plus

SDS-max

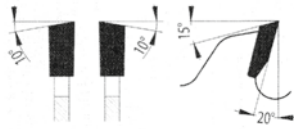
1 1/4"

R 1/2"

6 slots

TCT SAW BLADES FOR WOOD CUTTING (WZ)

APPLICATION: cutting across the grain of single-side veneered materials surface machined boards from natural wood and wood-base pannels. High quality cutting across the grain of natural massive wood



D	S	Z	D	PART-NO.:
150	2,8	48	20	75-001
180	2,8	56	20	75-002
200	2,8	60	20	75-003
230	3,0	60	30	75-004
250	3,2	60	30	75-005
300	3,2	64	30	75-006
300	3,2	72	30	75-007
300	3,2	96	30	75-008
350	3,5	84	30	75-009
350	3,5	110	30	75-010
400	3,5	96	30	75-011
450	3,8	108	30	75-012

TCT SAW BLADES FOR CUTTING NON-FERROUS METALS AND PLASTICS (TFZ)

APPLICATION: profiles, solid blocks, mouldings

Material: aluminium, plastics, brass, copper alloy

MACHINE: mechanical feed machines, CNC machines

CHARACTERISTIC: cutting aluminum profiles and moulding plastic bords, brass, pertinax, suitable for cutting massive materials



D	S	Z	D	PART-NO.:
250	3,4	60	32	75-013
300	3,8	72	32	75-014
350	3,8	84	32	75-015
400	3,8	96	32	75-016
450	4,0	108	32	75-017
500	4,4	120	32	75-018



BAND SAW BLADES FOR WOOD - JOINERY TYPES

APPLICATION: joinery, carpentry

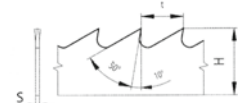
Material: natural wood

MACHINE: joining band saw machines

CHARACTERISTIC: it is possible to deliver band saw blades toothed, set, sharpened hardened band saws are delivered in coils of 25m or welded to particular machine length, material type is carbon steel C75. material hardness 38 – 44 HRC



H	S	t	PART-NO.:
20	0,7	NV6	75-019
25	0,7	NV8	75-020
30	0,7	NV8	75-021
35	0,7	NV10	75-022
40	0,8	NV10	75-023
45	0,8	NV10	75-024
50	0,9	NV10	25-025



PLANER KNIFES (HSS18)

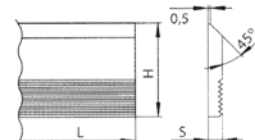
USE: profile cutting, machining of wood boards and balks

MACHINE: shapers, multisided rofile cutting millers, planers and thicknessers

CHARACTERISTIC: material 1.3355 for hardwood, 1.3343 for hard and softwood, 1. 2379 for softwood serrated back knives in metric and inch sizes customized manufacture of serrated back knives of any dimension hardness: 58 to 63 HRC at customer's request other hardness heat treatment made in a special computer controlled furnace 60° and 90° serration angle of cutting edge: standard 45° + peripheral land 0.5 mm, other angle at customer's request bevel angle 45°, other angle at customer's request



L	H	S	PART-NO.:
300	30	3mm	75-026
350	30	3mm	75-027
350	35	3mm	75-028
410	35	3mm	75-029
510	35	3mm	75-030
630	35	3mm	75-031

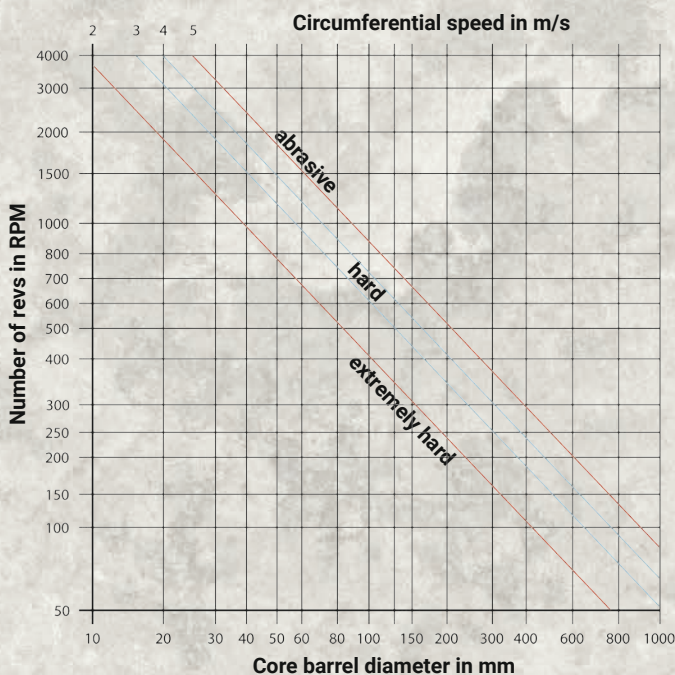


RPM AND CUTTING SPEED / OVERVIEW

Saw blade diameter in mm			max. RPM	max. cutting speed in m/s
115			16.650	100
125			15.300	100
150	D	W	12.750	100
180	R	E	10.650	100
200	Y	T	9.550	100
230			8.350	100
250			7.650	100
300			6.400	100
350			5.500	100
400			4.800	100
450			4.250	100
500		W	2.450	63
600		E	2.050	63
700		T	1.720	63
800			1.500	63
900			1.340	63

Check list before using a diamond saw blade



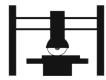

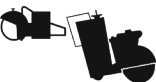













- Clean the flanges and spindle of the machine and check if it is running okay.
- The direction arrow on the saw blade should be pointing in the same direction as the indication arrow on the machine.
- Do not put additional pressure on the machine trying to make the tool work faster, the weight of the machine is sufficient
- When cutting, gently pull the machine back and forward in the cut.
- Do not force the machine so that the blade rides out of the cut.
- Do not operate the machine with damaged or open blade guard.
- Wear appropriated personal protective equipment.



Check list before using a diamond core bit

- Check if spindle of the drilling machine is running okay, make sure that all electrical testing has been carried out.
- Never use percussion or the so called "Soft" percussion when drilling with a diamond tool.
- Always use a drill rig or a centering device when you start drilling.
- Avoid tilting.
- When dry drilling allow cooling of the tool, when wet drilling use sufficient water.
- Do not force the drill through the material.
- Wear appropriated personal protective equipment.

LEGEND

	Dry		Hand held cutter over 4,5 kW		Stationary saw
	Wet		Hand held cutter / Floor saw		Bench saw
	Laser welded		Table saw / Bench saw		Grinding machine
	Angle grinder		Diamond drilling machine		Drilling system
	Hand held cutter		Wall saw		Angle grinder / Table saw
	Wall chaser		Floor saw		Quality attribute, max. 5 diamonds

PROMOTION

KERN-DEUDIAM finally appears after 10 years of merging the two companies with a new logo and corporate identity. The new logo is simple, clear and has a good recognition value. It is held in our CI colours blue and black and combines a blue D with a black K, with the vertical bars of the letters being one. Next to that are the words **KERN** and **DEUDIAM**, one underneath the other. The latter is an abbreviation for “German diamond tools”. This is a confession for **KERN-DEUDIAM**.

KERN-DEUDIAM is one of the few companies in the industry that has its own production and development in Germany.

For our partners, who work with the brand **KERN-DEUDIAM**, we also provide display for the **KERN-DEUDIAM** products in addition to advertising and promotion items, catalogues, leaflets, flags and so on.

If you want to make it visible that you also have **KERN-DEUDIAM** products in your range, you can use our flags and stickers in various sizes. Already existing flags and stickers we like to exchange.

Displays can be obtained in different varieties of product equipment. The width is generally 100 cm, the heights vary between 160 and 240 cm. We would be happy to offer you the products for presentation.





KERN-DEUDIAM
Diamantwerkzeuge und Maschinen GmbH

kern-deudiam.de
Tel. +49 5257 507-0
info@kern-deudiam.de

Industriestraße 24
33161 Hövelhof
GERMANY

