



**KERN
DEUDIAM®**

German manufacturer
of diamond tools & machines

DIAMOND TOOLS & MACHINES



PRODUCT CATALOGUE

TABLE OF CONTENTS



About KERN-DEUDIAM

Colour coded scheme 03

Core drilling technology

Drill rigs 04 – 05

Motors & drilling accessories 06 – 07

Bench saws

..... 08

Floor saws

Floor saws petrol & accessories 09

Floor saws electric 10

Diamond saw blades

for angle grinders / wall chaser / table saws 11 – 12

for bench saws / hand held cutters 13

for wall saws / stationary saws 14 – 15

for wall saws 16

Special blades 17

Cup grinders

..... 18

Grinding plates / grinding pads

..... 19

Diamond core drills

Wet core drills 20

Dry core drills / Core drills for testing 21

Segments / rings / vacuum brazed drill bits

..... 22

Drill bits & accessories | cutting machines

..... 23

TCT – wood & aluminium blades

..... 24

RPM and cutting speed /overview..... 25

Promotion 26

A FAMILY BUSINESS WITH TRADITION.

We appreciate that you are taking the time to have a look at our catalogue and to get to know **KERN-DEUDIAM** and our products better!

Ever since 1977 we have been developing and producing diamond tools and machines in Germany and selling them in Europe and all over the world to professional users, contractors, specialized retailers and a variety of companies in the construction sector. Our family-owned company with around 70 employees is located pretty much between the cities of Paderborn and Bielefeld and has a long tradition: for almost 50 years we have been one of the leading German manufacturers of diamond tools with worldwide business relations.

No matter if you are looking for premium core drills, socket drill bits, diamond saw blades or grinding tools – in our portfolio you will find everything you need for the processing of stone, concrete, asphalt, tiles or masonry. Those tools are globally used, for example, for sanitary installations (e.g. water supply, plumbing, heating), electrical work (e.g. sockets, wiring, power supply), demolition work, core drilling, floor grinding and road construction.

Due to the special diamond segments we also develop and produce ourselves at **KERN-DEUDIAM**, it is possible to drill, cut or saw even the hardest materials with our tools. In addition to the latest technology and state-of-the-art machines, our research department works on new products and carries out numerous tests in the laboratory and on the field. This is the only way we can continuously develop our tools. **KERN-DEUDIAM** means quality products. It is not for nothing that we are ISO 9001:2015 certified. Here in Hoevelhof, we can map the production process for diamond tools from segment production to the finished product.

Moreover, we also engineer, manufacture and sell high-end cutting machines, such as petrol or electric floor saws, bench saws, cut-off machines or complete core drilling systems. And, of course, we also offer suitable accessories.

Our membership in the professional associations VDS (Verband Deutscher Schleifmittelwerke e.V.), VDMA (Verband Deutscher Maschinen- und Anlagenbau e.V.), Betonbohren und Sägen e.V. Deutschland (association for concrete drilling and sawing Germany) and IACDS (International Association of Concrete Drillers & Sawers), we have the advantage to be one of the first for legal, norm and technical developments.

“Made in Germany” is a matter of heart for us and much more than a trademark. Our great staff is looking forward to convincing you of this.

Phone +971 423 232 23
md@kern-deudiam.ae



BUILDING HARDWARE & TOOLS TRADING LLC
kern-deudiam.ae | 36 24B Street, Al Quoz 2
Tel. +971 423 232 23 P.O. Box 936204
md@kern-deudiam.ae Dubai UAE

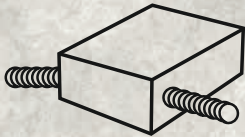


COLOUR CODED SCHEME

5 PHASE COLOUR CODED SCHEME FOR DIAMOND SAW BLADES

Save time in finding the correct blade

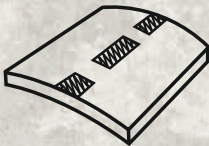
CONCRETE & UNIVERSAL



blue

The colour **BLUE**
for concrete and universal

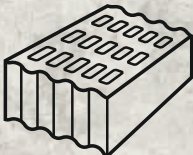
ABRASIVE



black

The colour **BLACK**
for abrasive materials

BRICKS & REFRACTORY



yellow

The colour **YELLOW**
for bricks and refractory

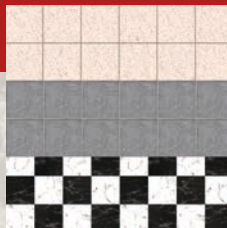
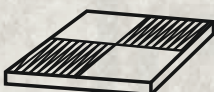
NATURAL STONE



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 5 phase colour coded scheme.
By phone, call **+971 423 232 23** or by e-mail to **md@kern-deudiam.ae**

Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

KDS150 + DK17

DRILL RIG	KDS150	DRILLING MOTOR	DK17
MAX. DRILLING-Ø	150 mm	VOLTAGE	230 V
HEIGHT / 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 kg	RATED SPEED	540 / 1200 / 2520 RPM
PART-NO.	12-610	SPINDLE	1¼" UNC + Adapter ½" G
		MOTORMOUNTING	60 mm
		WEIGHT	6.3 kg
		PART-NO.	12-296

KDS150 (Part-No. 12-610) + DK17 (Part-No. 12-296) also available as a set



KDS200 + DK1803

DRILL RIG	KDS200	DRILLING MOTOR	DK1803
MAX. DRILLING-Ø	200 mm	VOLTAGE	230 V
HEIGHT / 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 kg	SPINDLE	1¼" UNC + Adapter ½" G
PART-NO.	12-620	MOTORMOUNTING	60 mm
		WEIGHT	5.9 kg
		PART-NO.	12-288

KDS200 (Part-No. 12-620 incl. Part-No. 13-632 - Ø 60 mm) + DK1803 (Part-No. 12-288) also available as a set



KDS250 + DK26

DRILL RIG	KDS250	DRILLING MOTOR	DK26
MAX. DRILLING-Ø	250 mm	VOLTAGE	230 V
HEIGHT / 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 kg	MOTORMOUNTING	standard holes pattern
PART-NO.	12-630	WEIGHT	11.6 kg
		PART-NO.	12-298

KDS250 (Part-No. 12-630) + DK26 (Part-No. 12-298) also available as a set



DRILL RIGS

KDS400-1 + DK32

DRILL RIG	KDS400-1	DRILLING MOTOR	DK32
MAX. DRILLING-Ø	400 mm (with distance plate)	VOLTAGE	230 V
HEIGHT / STROKE	1045 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 kg	DISTANCE PLATE	30 mm plate
PART-NO.	12-640	WEIGHT	11.9 kg
		PART-NO.	12-295

KDS400-1 (Part-No. 12-640) + Distance plate – 30 mm (Part-No. 13-610) + DK32 (Part-No. 12-295) also available as a set



XXL + DK32

DRILL RIG	XXL	DRILLING MOTOR	DK32
MAX. DRILLING-Ø	350 mm	VOLTAGE	230 V
	400 mm (with distance plate)	POWER	3200 W
HEIGHT / STROKE	1080 mm / 660 mm	DRILLING-Ø WET CONCRETE	55 - 350 mm
BASE DEPTH X WIDTH	350 x 220 mm	GEARS	3
ANGLE DRILLING	0-55°	RATED SPEED	230 / 480 / 720 RPM
MOTORMOUNTING	XXL-quick connection	SPINDLE	1¼" UNC
FINE FEED	without	MOTORMOUNTING	standard holes pattern
WHEELS	no	WEIGHT	11.9 kg
GUIDANCE	sliders	PART-NO.	12-295
WEIGHT	22 kg		
PART-NO.	12-701		

XXL (Part-No. 12-701) + Distance plate – 40 mm (Part-No. 12-703) + DK32 (Part-No. 12-295) also available as a set



DRILL RIG FLEIKA KF 600

TECHNICAL DETAILS

MAX. DRILLING-Ø	600 mm
SLIDE STROKE	1090 mm
BASE DEPTH X WIDTH	410 x 300 mm
HEIGHT	1540 mm
WHEELS	yes
ENGINE POWER	5,3 kW
TORQUE	400 Nm
ANCHOR ROD	M16
WEIGHT	37 kg
PART-NO.	12-062



Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

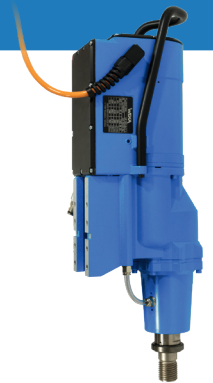
DRILLING MOTORS WEKA

	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 + 1/2" G	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

	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" STEEL	
13-011	300 mm
13-012	500 mm
EXTENSION 1 1/4" UNC ALUMINUM	
13-013	100 mm
13-014	200 mm
13-015	300 mm
13-017	500 mm
EXTENSION 1 1/4" 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.	MAX. DRILLING-Ø	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

WATER PRESSURE TANK PLASTIC

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



PART-NO.: 13-035

WATER PRESSURE TANK METAL

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



PART-NO.: 13-034

DRILLING ACCESSORIES

BRICKWORK SET

Set includes



5 brickwork anchors Ø 20 mm, M12
Threaded rod M12
Impact nut, counter nut and washer

PART-NO. 13-037

CONCRETE SET

Set includes



10 Hammerset anchors Ø 16 mm, M12
Threaded rod M12
Impact nut and washer
SDS-plus percussion drill Ø 16 mm

PART-NO. 13-036

QUICK FIXING PROP

Ranging from 1700 mm up to 3000 mm



WEIGHT 8.7 kg
PART-NO. 13-003

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

DISTANCE-MOTOR-PLATES



PART-NO. 13-610



PART-NO. 13-612



PART-NO. 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 XXL drill rigs		
12-703	DISTANCE PLATE	40 mm

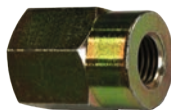
ADAPTERS

R ½" male - 1¼" UNC male,
PART-NO. 13-070

M16 female R ½" female
PART-NO. 13-079

DD-BI 6 (3) slots - 1¼", UNC male/R ½" female
PART-NO. 13-07202

Flat thread - 1¼" UNC male
PART-NO. 13-077



PART-NO.	MACHINE CONNECTION:	CORE DRILL CONNECTION
13-070	R ½" male	1¼" UNC male
13-07802	R ½" male	M14 male
13-078	R ½" male	M16 male
13-087	R ½" female	R ½" female
13-071	1¼" UNC female	R ½" female
13-07102	1¼" UNC male	M16 male
13-074	M18x2,5 female	R ½" female
13-079	M16 female	R ½" female
13-086	5/8" female	R ½" female
13-085	M30x2 female	1¼" UNC male
13-088	M33/3 female	1¼" UNC male
13-07202	DD-BI 6 (3) slots	1¼" UNC male/R ½" female
13-073	DD-BU (24 teeth on the outside)	1¼" UNC male
13-07301	DD-BL (21 teeth on the inside)	1¼" UNC male
13-076	Flat thread	R ½" female
13-077	Flat thread	1¼" UNC male

Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

BENCH SAWS

BENCH SAW TS350

TECHNICAL DETAILS

VOLTAGE	230 V – 50 Hz single-phase electric 400 V – 50 Hz three-phase electric motor
POWER	2.2 kW – 3.0 HP 3.0 kW – 4.0 HP
MAX. DIAMOND SAW BLADE-Ø	350 mm
BORE-HOLE-Ø	25,40 mm
MAX CUTTING DEPTH	110 mm
WORKING LENGTH	400 mm
SHEET TUBE CAPACITY	45 Liter
DIMENSIONS L x W x H	1,100 x 700 x 1,200 mm
LEGS	removable legs (2 fixed and 2 on wheels)
WEIGHT	80 kg
PART-NO.	50-020



BENCH SAW TS650

TECHNICAL DETAILS

VOLTAGE	230 V – 50 Hz single-phase electric 400 V – 50 Hz three-phase electric motor
POWER	2.2 kW – 3.0 HP 3.0 kW – 4.0 HP
MAX. DIAMOND SAW BLADE-Ø	650 mm
BORE-HOLE-Ø	25,40 mm
MAX CUTTING DEPTH	250 mm
WORKING LENGTH	725 mm
SHEET TUBE CAPACITY	60 Liter
DIMENSIONS L x W x H	1,450 x 640 x 800 mm
LEGS	removable legs (2 fixed and 2 on wheels)
WEIGHT	118 kg
PART-NO.	50-920



BENCH SAW TS900

TECHNICAL DETAILS

VOLTAGE	400 V 50Hz three-phase electric motor
POWER	5.5 kW – 7.5 HP
MAX. DIAMOND SAW BLADE-Ø	900 mm
BORE-HOLE-Ø	25,40 mm
MAX CUTTING DEPTH	370 mm
WORKING LENGTH	700 mm
SHEET TUBE CAPACITY	100 Liter
DIMENSIONS L x W x H	1,800 x 900 x 1,300 mm
WEIGHT	235 kg
PART-NO.	50-956



FLOOR SAWS PETROL

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	1,080 x 600 x 975 mm
WEIGHT	100 kg
PART-NO.	50-320H



FLOOR SAW KDF500-B/H

TECHNICAL DETAILS

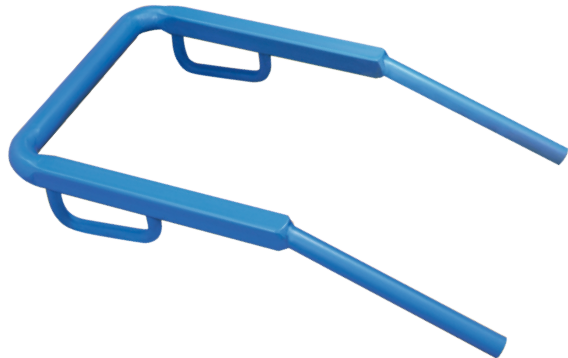
MOTOR	HONDA GX390
POWER	8.7 kW / 11.7 Hp
DIAMOND SAW BLADE-Ø	500 mm
RATED SPEED	2500 RPM
SPINDLE	25.40 mm
MAX. CUTTING DEPTH	200 mm
CUTTING DEPTH ADJUSTMENT	stepless hand wheel
DRIVE	manuel
WATERTANK:	25 l
DIMENSIONS L x W x H	1,080 x 600 x 975 mm
WEIGHT	100 kg
PART-NO.	
no Zyklon filter	50-330H
with Zyklon filter	50-320HZ



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)



FLOOR SAWS ELECTRIC

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	manual
DIMENSIONS l x w x h	1,250 x 620 x 1,100 mm
WEIGHT	135 kg ex bladeguard
PART-NO.	50-400

**MADE IN
GERMANY**



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	manual
DIMENSIONS L x W x H	1,270 x 640 x 980 mm
WEIGHT	158 kg ex bladeguard
PART-NO.	50-300

**MADE IN
GERMANY**

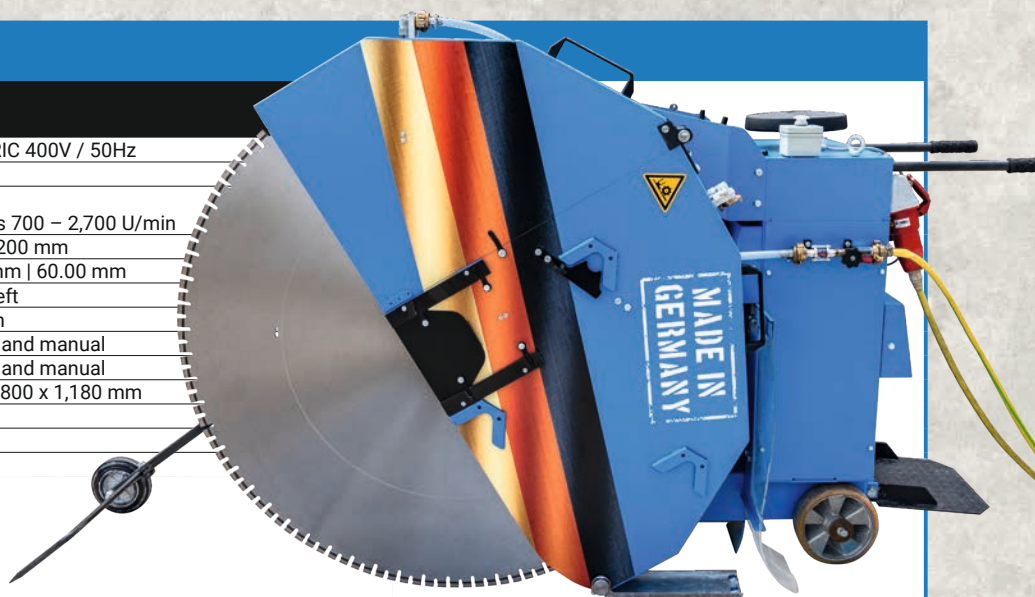


FLOOR SAW KDF1200-E

TECHNICAL DETAILS

MOTOR	ELECTRIC 400V / 50Hz
ELECTRICAL CONNECTION	32 A
POWER	15 kW
RATED SPEED (RPM)	stepless 700 – 2,700 U/min
DIAMOND SAW BLADE-Ø	max. 1,200 mm
SPINDLE	25.40 mm 60.00 mm
USE OF BLADE	right / left
MAX. CUTTING DEPTH	510 mm
CUTTING DEPTH ADJUSTMENT	electric and manual
DRIVE	electric and manual
DIMENSIONS L x W x H	1,300 x 800 x 1,180 mm
WEIGHT	535 kg
PART-NO.	50-500

**MADE IN
GERMANY**



BLADES FOR ANGLE GRINDERS / WALL CHASER / TABLE SAWS

LASER LU

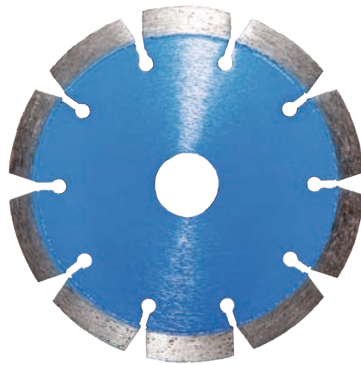


APPLICATION:
universal, medium to hard materials

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

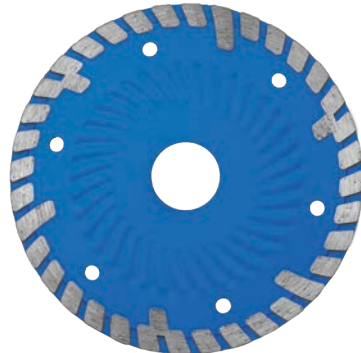


APPLICATION:
universal, concrete stones, soft granite, marble (medium)

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)

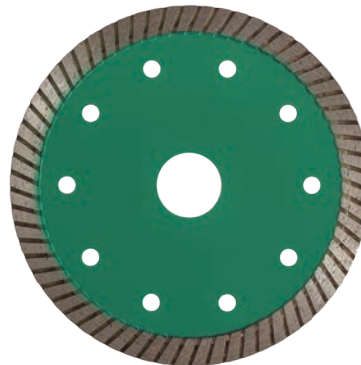


APPLICATION:
hard artificial sandstone, granite, marble (medium hard), roof tiles, concrete and similar materials

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

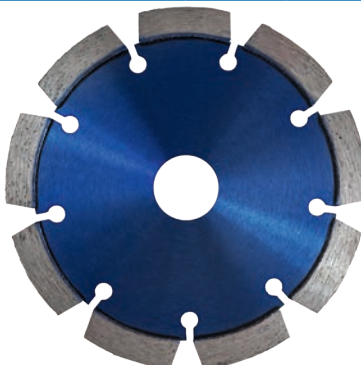


APPLICATION: universal, medium to very hard materials, very good in hard artificial sandstone

CHARACTERISTIC:
very fast cutting, long lifetime

KIND OF PRODUCTION:
laser welded

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

SINTER SGS

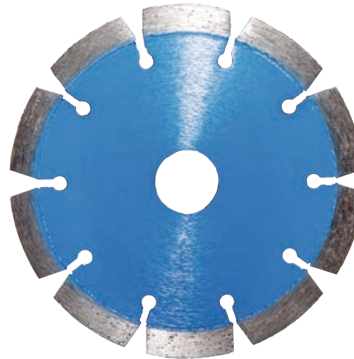


APPLICATION:
general purpose – building material

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-F (DSP)

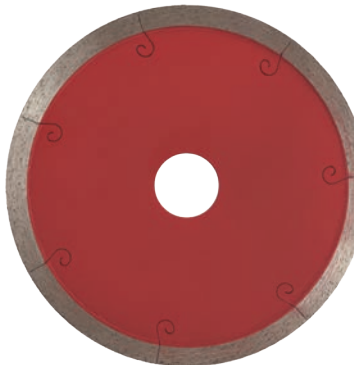


APPLICATION:
tiles, hard pressed tiles, ceramics, terracotta, granite, marble, glass and similar materials

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)

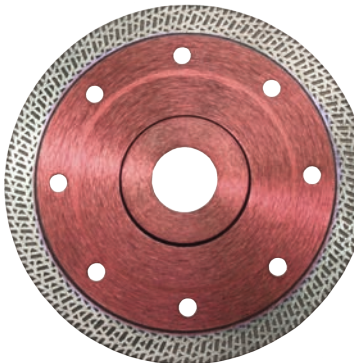


APPLICATION:
extremely hard tiles, terracotta, hard pressed tiles and similar materials

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

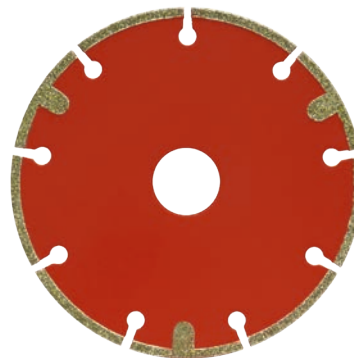


APPLICATION:
tiles, ceramics, marble and similar materials

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 / HAND HELD CUTTERS

SILVER BRAZED DSM



APPLICATION:

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

CHARACTERISTIC:

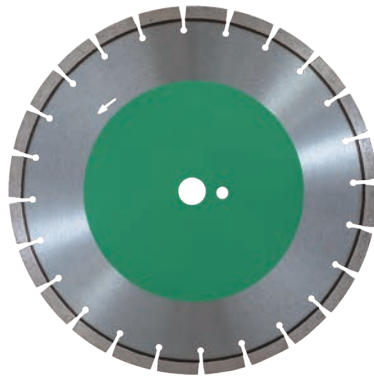
extremely fast cutting

KIND OF PRODUCTION:

silver brazed

TYPE OF SEGMENTS:

segmented, narrow slotted



Ø x BORE HOLE (mm):

PART-NO.

250 x 50	26-240
300 x 50	26-250
350 x 50	26-251
400 x 50	26-252
450 x 50	26-253
500 x 50	26-254
600 x 50	26-255

SILVER BRAZED DSG



APPLICATION:

granite, basalt, concrete, products and similar materials

CHARACTERISTIC:

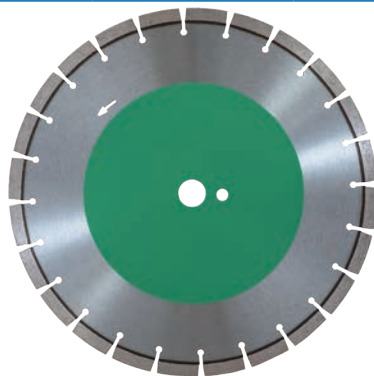
extremely fast cutting

KIND OF PRODUCTION:

silver brazed

TYPE OF SEGMENTS:

segmented, narrow slotted



Ø x BORE HOLE (mm):

PART-NO.

250 x 50	26-245
300 x 50	26-230
350 x 50	26-231
400 x 50	26-232
450 x 50	26-233
500 x 50	26-234
600 x 50	26-235

KS UNI CUT



APPLICATION:

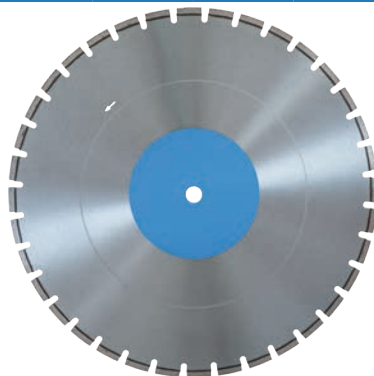
Concrete-medium hard, artificial sandstone, sandstone, very hard bricks

KIND OF PRODUCTION:

laser welded

TYPE OF SEGMENTS:

segmented



Ø x BORE HOLE (mm):

PART-NO.

600 x 60.00	25-583UC
650 x 60.00	25-584UC
700 x 60.00	25-585UC
750 x 60.00	25-586UC
800 x 60.00	25-587UC
900 x 60.00	25-582UC

LASER TS-PLUS



APPLICATION:

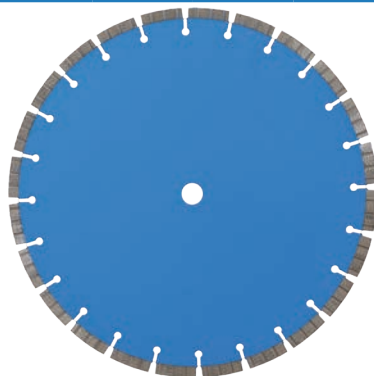
universal, for medium to very hard materials

KIND OF PRODUCTION:

laser welded

TYPE OF SEGMENTS:

segmented, narrow slotted, Turbo



Ø x BORE HOLE (mm):

PART-NO.

300 x 20.00	23-03520
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

BLADES FOR FLOOR SAWS

RAPID



APPLICATION:

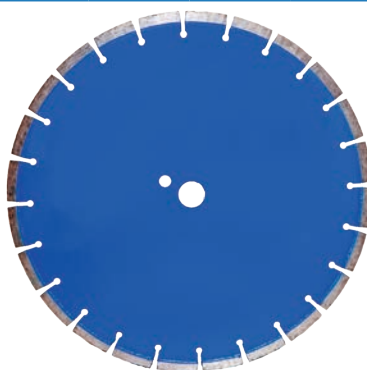
reinforced concrete, concrete pipes,
concrete pavement

KIND OF PRODUCTION:

laser welded, Made in Germany

TYPE OF SEGMENTS:

segmented, narrow slotted



Ø x BORE HOLE (mm):

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:

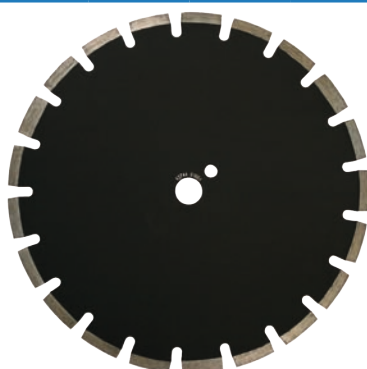
asphalt and similar abrasive materials

KIND OF PRODUCTION:

laser welded, Made in Germany

TYPE OF SEGMENTS:

segmented,
with undercut protection



Ø x BORE HOLE (mm):

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:

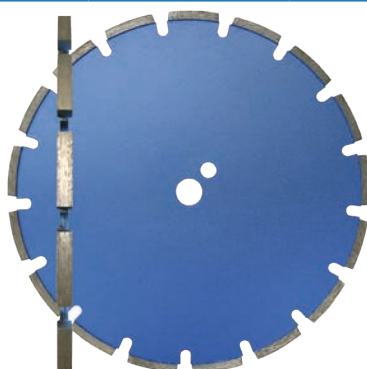
concrete

KIND OF PRODUCTION:

brazed, Made in Germany

TYPE OF SEGMENTS:

segmented



Ø x BORE HOLE (mm):

WIDE:

PART-NO.

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:

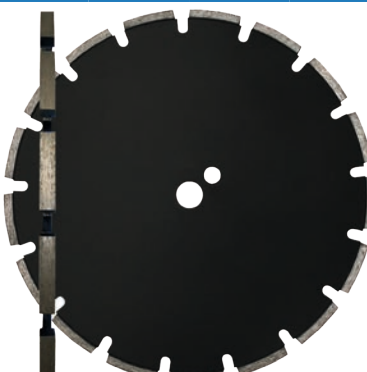
asphalt

KIND OF PRODUCTION:

brazed, Made in Germany

TYPE OF SEGMENTS:

segmented



Ø x BORE HOLE (mm):

WIDE:

PART-NO.

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 FLOOR SAWS / STATIONARY SAWS

LASER X500

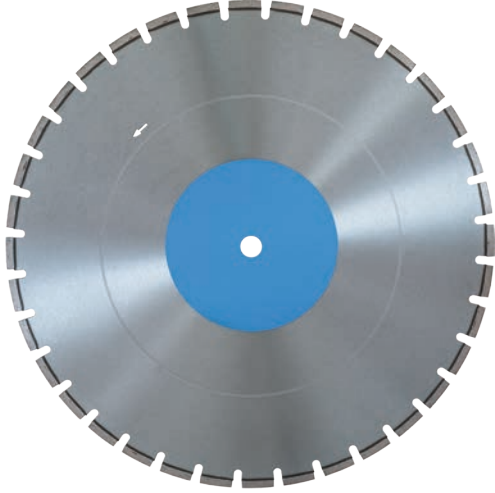
APPLICATION:
concrete, old concrete, reinforced concrete and similar materials

CHARACTERISTIC:
extremely fast cutting,
very long lifetime

KIND OF PRODUCTION:
laser welded, Made in Germany

TYPE OF SEGMENTS: segmented

*Please name the bore hole size
when placing an order.*



Floor saws between
7.5 - 20 kW

Ø (mm):	SEGMENTS: L x W x H	PART-NO.
500	40 x 3.8 x 9	25-774
600	40 x 3.8 x 9	25-770
600	40 x 4.8 x 9	25-775
650	40 x 3.8 x 9	25-779
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
1,000	40 x 4.5 x 9	25-773

MADE IN GERMANY

LASER X800

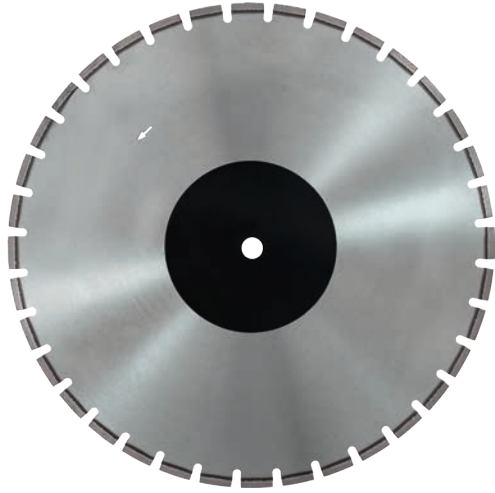
APPLICATION:
asphalt and similar materials

CHARACTERISTIC:
extremely fast cutting

KIND OF PRODUCTION:
laser welded, Made in Germany

TYPE OF SEGMENTS: segmented

*Please name the bore hole size
when placing an order.*



Floor saws between
7.5 - 20 kW

Ø (mm):	SEGMENTS: L x W x H	PART-NO.
500	40 x 3.8 x 9	25-784
600	40 x 3.8 x 9	25-780
600	40 x 4.8 x 9	25-785
650	40 x 3.8 x 9	25-789
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
1,000	40 x 4.5 x 9	25-783

MADE IN GERMANY

HOLLOW CORE SLABS SB-N8

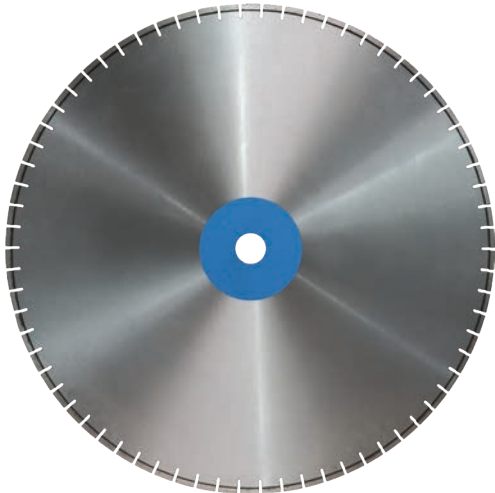
APPLICATION:
hollow core slabs, precast concrete

CHARACTERISTIC: long lifetime

KIND OF PRODUCTION: laser welded,
from Ø 1,300 mm brazed, Made in Germany

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

*Please name the bore hole size
when placing an order.*



Noise reduced steel
centres on request.

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
1,000	40 x 7.5 x 11	27-101
1,100	40 x 7.5 x 11	27-102
1,200	40 x 7.5 x 11	27-103
1,300	40 x 7.5 x 11	27-104

MADE IN GERMANY

BLADES FOR WALL SAWS

ONYX



Noise reduced steel
centres on request.

APPLICATION:

universal, concrete, brickwork
and similar materials

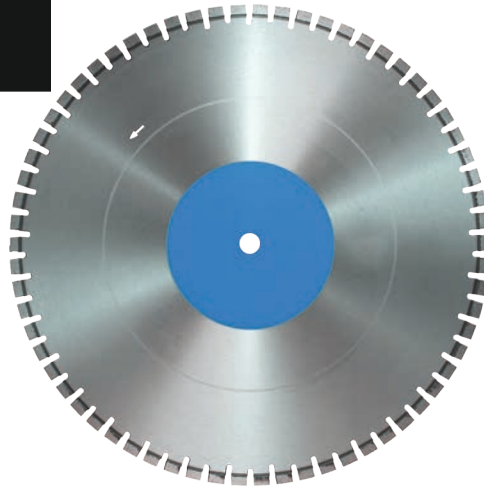
CHARACTERISTIC:

extremely fast cutting

KIND OF PRODUCTION: laser welded,
from 1,500 mm brazed, Made in Germany

TYPE OF SEGMENTS: segmented,
20 mm version up to 1,200 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
1,000	20 x 4.5 x 12	25-838
1,200	20 x 4.5 x 12	25-839
1,500	40 x 4.5 x 12	25-840

SWF131



Noise reduced steel
centres on request.

APPLICATION:

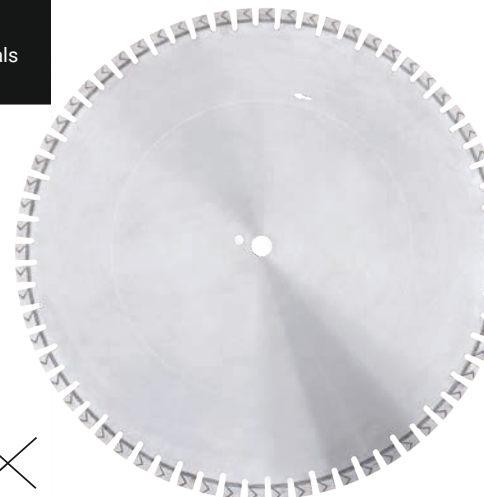
Concrete, old concrete and similar materials

New segment (direction arrow
in the segment)
DIOX group (cobalt-free)

For wall saws and floor saws
5 kW – 11 kW

KIND OF PRODUCTION:
laser welded, Made in Germany

Please name the bore hole size
when placing an order.



Ø (mm):	SEGMENTS: L x W x H	PART-NO.
450	20 x 4.0 x 15	28-201
450	20 x 5.0 x 15	28-202
500	20 x 4.0 x 15	28-203
600	20 x 4.0 x 15	28-204
600	20 x 5.0 x 15	28-205
700	20 x 4.0 x 15	28-206
700	20 x 5.0 x 15	28-207
750	20 x 4.0 x 15	28-208
750	20 x 5.0 x 15	28-209
800	20 x 4.5 x 15	28-210
800	20 x 5.0 x 15	28-211
900	20 x 4.5 x 15	28-212
1000	20 x 4.5 x 15	28-213
1200	20 x 4.5 x 15	28-214

SWF141



Noise reduced steel
centres on request.

APPLICATION:

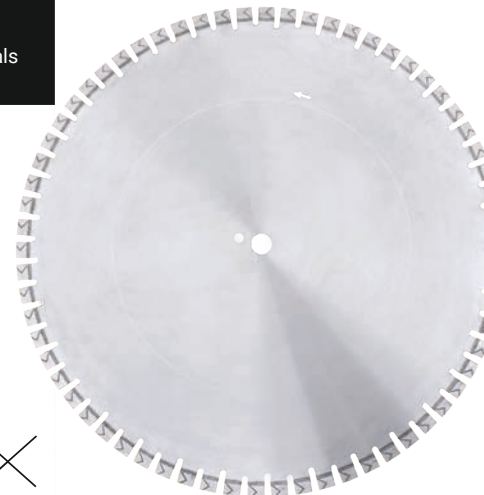
Concrete, old concrete and similar materials

New segment (direction arrow
in the segment)
DIOX group (cobalt-free)

For wall saws and floor saws
11 kW – 25 kW

KIND OF PRODUCTION:
laser welded, Made in Germany

Please name the bore hole size
when placing an order.



Ø (mm):	SEGMENTS: L x W x H	PART-NO.
500	20 x 4.0 x 15	28-303
600	20 x 4.0 x 15	28-304
600	20 x 5.0 x 15	28-305
700	20 x 4.0 x 15	28-306
700	20 x 5.0 x 15	28-307
750	20 x 4.0 x 15	28-308
750	20 x 5.0 x 15	28-309
800	20 x 4.5 x 15	28-310
800	20 x 5.0 x 15	28-311
900	20 x 4.5 x 15	28-312
1000	20 x 4.5 x 15	28-313
1200	20 x 4.5 x 15	28-314

SPECIAL BLADES

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 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:

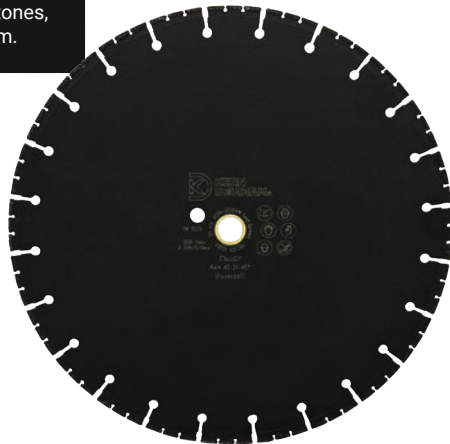
universal, concrete, natural / artificial stones, metal, plastics, carbon fiber, wood a.s.m.

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

* incl. driving wheel



MACHINE:

PART-NO.

K3500 / K3600 Ø 370 mm	55-011 *
18 segm. 40 x 4.2 x 9 mm	
Bender KOGIA 400 Ø 400 mm	55-021
36 segm. 20 x 4.2 x 10 mm	
TR40 ANNA Ø 400 mm	55-031 *
36 segm. 20 x 4.2 x 10 mm	



CUP GRINDERS

DCG-S



APPLICATION:
concrete, natural and artificial stones
and similar materials

KIND OF PRODUCTION: brazed

TYPE OF SEGMENTS: segmented, single row



Ø x BORE HOLE (mm):		PART-NO.
100 x 22.23	single row	29-101
115 x 22.23	single row	29-100
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

KIND OF PRODUCTION: brazed

TYPE OF SEGMENTS: segmented, double row



Ø x BORE HOLE (mm):		PART-NO.
100 x 22.23	double row	29-104
115 x 22.23	double row	29-128
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

KIND OF PRODUCTION: brazed

TYPE OF SEGMENTS: continuous rim Turbo



Ø x BORE HOLE (mm):		PART-NO.
100 x 23.23	turbo	29-107

DCG-S-S



APPLICATION:
concrete, natural and artificial stones
and similar materials

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: segmented, single row



Ø x BORE HOLE (mm):		PART-NO.
100 x 22.23	single row	29-501
115 x 22.23	single row	29-553
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

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: segmented, double row



Ø x BORE HOLE (mm):		PART-NO.
100 x 22.23	double row	29-504
115 x 22.23	double row	29-528
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

KIND OF PRODUCTION: sintered

TYPE OF SEGMENTS: continuous rim Turbo



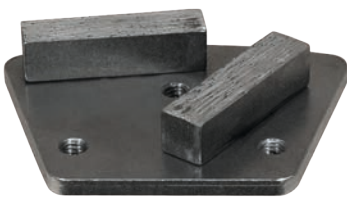
Ø x BORE HOLE (mm):		PART-NO.
100 x 22.23	turbo	29-507

GRINDING PLATES / GRINDING PADS

GRINDING PLATE KDST		BORE HOLE: 19.05 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.
		250 20 Segm. 40 x 10 x 10	29-302ST
KIND OF PRODUCTION: brazed, Made in Germany			
TYPE OF SEGMENTS: segmented			

GRINDING PLATE KD12		BORE HOLE: 19.05 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.
		250 16 Segm. 40 x 10 x 10	29-301
KIND OF PRODUCTION: brazed, Made in Germany			
TYPE OF SEGMENTS: segmented			

GRINDING PLATE KDEB		BORE HOLE: 19.05 mm	
APPLICATION: floor grinding		Ø x DIMENSIONS (mm):	PART-NO.
		235 8 Segm. 40 x 10 x 10	29-320
KIND OF PRODUCTION: brazed, Made in Germany			
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.
		2x 40 x 10 x 10	18/20	very hard	30-231
KIND OF PRODUCTION: brazed, Made in Germany		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
TYPE OF SEGMENTS: segmented		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.
		6x 40 x 10 x 10	18/20	very hard	30-261
KIND OF PRODUCTION: brazed, Made in Germany		6x 40 x 10 x 10	30/40	very hard	30-262
TYPE OF SEGMENTS: segmented		We develop and manufacture grinding shoes in different sizes, shapes, no. of segments and grits			
					

WET CORE DRILLS

WET CORE DRILLS DB121 1 1/4" UNC



APPLICATION:
reinforced concrete,
brickwork

CHARACTERISTIC:
very fast cutting,
long lifetime

very good cutting on iron

KIND OF PRODUCTION:
laser welded up to Ø 305 mm,
over Ø 305 mm brazed

Made in Germany

TYPE OF SEGMENTS:
Wave segments

from the DTOX product line
(cobalt-free)



OUTER-Ø (mm):	SEGMENTS: L x W x H	NO OF SEGMENTS:	PART-NO.
52	24 x 3.5 x 10	5	16-500
58	24 x 3.5 x 12	5	16-542
62	24 x 3.5 x 12	5	16-501
65	24 x 3.5 x 12	6	16-518
68	24 x 3.5 x 12	6	16-536
72	24 x 3.5 x 12	6	16-502
78	24 x 3.5 x 12	7	16-535
82	24 x 3.5 x 12	7	16-503
92	24 x 3.5 x 12	8	16-504
102	24 x 3.5 x 12	8	16-505
107	24 x 3.5 x 12	9	16-506
112	24 x 3.5 x 12	9	16-507
122	24 x 3.5 x 12	10	16-508
125	24 x 3.5 x 12	10	16-537
127	24 x 3.5 x 12	10	16-509
132	24 x 3.5 x 12	11	16-510
142	24 x 3.5 x 12	12	16-517
152	24 x 4.0 x 12	12	16-533
162	24 x 4.0 x 12	12	16-512
172	24 x 4.0 x 12	13	16-513
182	24 x 4.0 x 12	13	16-516
187	24 x 4.0 x 12	14	16-547
192	24 x 4.0 x 12	14	16-514
200	24 x 4.0 x 12	14	16-515
212	24 x 4.0 x 12	14	16-534
225	24 x 4.0 x 12	15	16-522
232	24 x 4.0 x 12	15	16-540
250	24 x 4.0 x 12	15	16-523
257	24 x 4.0 x 12	15	16-541
300	24 x 4.0 x 12	17	16-524
305	24 x 4.5 x 11	17	16-578
350	24 x 4.5 x 10	18	16-525
400	24 x 4.5 x 10	20	16-526
450	24 x 4.5 x 10	22	16-527
500	24 x 4.5 x 10	25	16-528
550	24 x 4.5 x 10	30	16-543
600	24 x 4.5 x 10	30	16-529
700	24 x 4.5 x 10	35	16-530
800	24 x 4.5 x 10	40	16-531
1,000	24 x 4.5 x 10	45	16-532

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 (mm):	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

DRY CORE DRILLS

DRY CORE DRILL LASER UNIX² 1 1/4" UNC

APPLICATION:
reinforced concrete,
brickwork

CHARACTERISTIC:
very fast cutting,

KIND OF PRODUCTION:
laser welded

Made in Germany

TYPE OF SEGMENTS:
segments X²

Effective length 300 mm



OUTER-Ø (mm):	SEGMENTS: L x W x H	NO OF SEGMENTS:	PART-NO.
32 mm	13 x 3,0 x 7 mm	5	20-0SD028
32 mm	13 x 3,0 x 7 mm	5	20-0SD032
42 mm	20 x 4,2 x 10 mm	4	20-031
52 mm	20 x 4,2 x 10 mm	5	20-000
62 mm	20 x 4,2 x 10 mm	5	20-001
72 mm	20 x 4,2 x 10 mm	6	20-002
82 mm	20 x 4,2 x 10 mm	7	20-003
92 mm	20 x 4,2 x 10 mm	8	20-004
102 mm	20 x 4,2 x 10 mm	8	20-005
112 mm	20 x 4,2 x 10 mm	9	20-007
122 mm	20 x 4,2 x 10 mm	9	20-008
127 mm	20 x 4,2 x 10 mm	10	20-009
132 mm	20 x 4,2 x 10 mm	10	20-010
142 mm	20 x 4,2 x 10 mm	10	20-017
152 mm	20 x 4,6 x 10 mm	11	20-033
162 mm	20 x 4,6 x 10 mm	12	20-012
172 mm	20 x 4,6 x 10 mm	13	20-013
182 mm	20 x 4,6 x 10 mm	13	20-016
202 mm	20 x 4,6 x 10 mm	14	20-015
225 mm	20 x 4,6 x 10 mm	15	20-022
250 mm	20 x 4,6 x 10 mm	15	20-023



CORE DRILLS FOR TESTING

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



Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

SEGMENTS / RINGS / VACUUM BRAZED DRILL BITS

SINGLE SEGMENTS DB121

APPLICATION:
reinforced concrete, brickwork



CHARACTERISTIC:
very fast cutting,
long lifetime

Made in Germany

TYPE:
Wave segments



DIMENSIONS (mm), L x W x H	FOR Ø (mm):	PART-NO.
24 x 3.5 x 12	Ø 48 – 58 mm	60-500
24 x 3.5 x 12	Ø 59 – 67 mm	60-501
24 x 3.5 x 12	Ø 68 – 92 mm	60-502
24 x 3.5 x 12	Ø 93 – 112 mm	60-503
24 x 3.5 x 12	Ø 113 – 132 mm	60-504
24 x 3.5 x 12	Ø 133 – 165 mm	60-505
24 x 4.0 x 12	Ø 133 – 165 mm	60-506
24 x 4.0 x 12	Ø 166 – 193 mm	60-507
24 x 4.0 x 12	Ø 194 mm – und größer	60-510
24 x 4.0 x 12	Ø 194 mm – und größer	60-508
24 x 5.0 x 12	Ø 194 mm – und größer	60-509

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 BITS & ACCESSORIES | CUTTING MACHINES

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



HIGH-FREQUENCY SAW TS 40 ANNA

TECHNICAL DETAILS:	TS 40 ANNA
PART-NO.	50-251
Voltage	230 V / 400 V
Power	3700 W / 6500 W
Rated Speed	2500 RPM
Saw blade-Ø	400 mm
Spindle	25,4 mm
Max. cutting depth	165 mm
Weight	9,4 kg

also available for left-handed cutting



HIGH-FREQUENCY SAW TR 40 ANNA

TECHNICAL DETAILS:	TR 40 ANNA
PART-NO.	50-252
Voltage	230 V / 400 V
Power	3700 W / 6500 W
Rated Speed	2400 RPM
Saw blade-Ø	400 mm
Spindle	locally driven
Max. cutting depth	300 mm
Weight	9,4 kg



HIGH-FREQUENCY INVERTER FU6D FOR SERIES ANNA

TECHNICAL DETAILS:	FU6D
PART-NO.	50-257
Voltage	230 V / 400 V
Weight	4,4 kg

universal control unit for ANNA series.
with display and Bluetooth connection

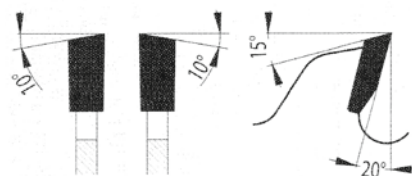


Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

TCT – WOOD & ALUMINIUM BLADES

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

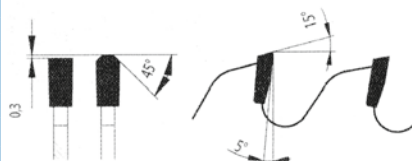


D	S	Z	D	PART-NO.
150	2.6	48	20	75-001
180	2.6	56	30	75-002
200	2.8	64	30	75-003
230	2.8	64	30	75-004
250	3.2	60	30	75-042
250	3.2	64	30	75-005
300	3.2	48	30	75-033
300	3.2	64	30	75-043
300	3.2	60	30	75-006
300	3.2	72	30	75-007
300	3.2	96	30	75-008
350	3.6	54	30	75-034
350	3.6	84	30	75-009
350	3.6	108	30	75-010
400	3.6	96	30	75-011
450	4.0	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	3.2	60	30	75-013
250	3.2	80	30	75-032
300	3.2	72	30	75-014
300	3.2	84	32	75-040
300	3.2	96	30	75-038
350	3.6	84	30	75-015
350	3.6	96	32	75-041
350	3.6	108	30	75-035
400	3.6	96	30	75-016
400	3.6	108	32	75-036
400	3.6	120	30	75-044
450	4.0	108	30	75-017
450	4.2	120	30	75-039
500	4.0	120	30	75-018

BAND SAW BLADES FOR WOOD - JOINERY TYPES

APPLICATION: joinery, carpentry

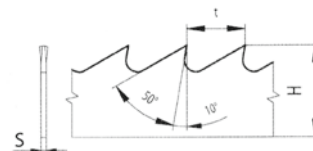
MATERIAL: natural wood

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	0.6	NV8	75-019
25	0.7	NV8	75-020
30	0.7	NV10	75-021
35	0.7	NV10	75-022
40	0.7	NV10	75-023
45	0.9	NV10	75-024
50	0.9	NV10	75-025



PLANER KNIVES (HSS18)

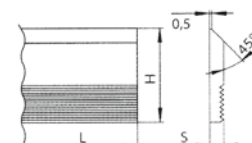
USE: profile cutting, machining of wood boards and balks

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

CHARACTERISTIC: material 1.3355 for hard-wood, 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
500	35	3mm	75-037
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.

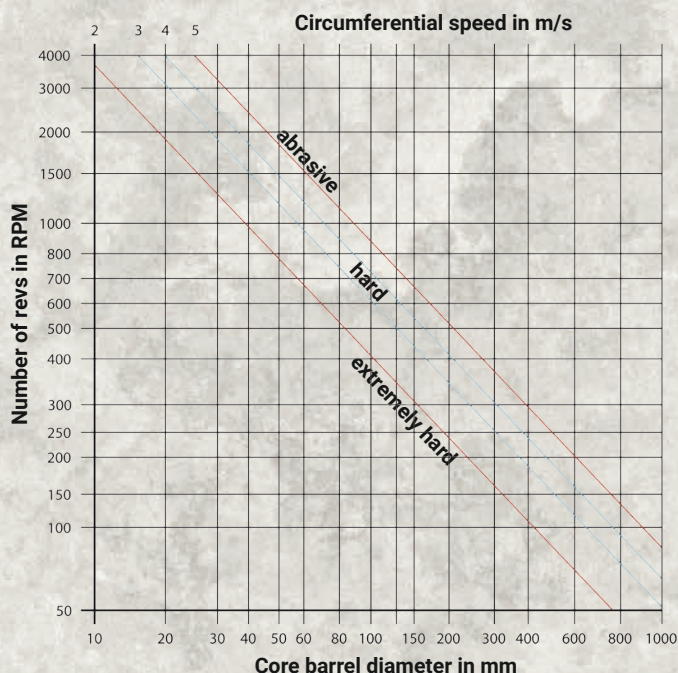
Always use a drill rig or a centering device when you start drilling.

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		

Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!

PROMOTION

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.



Our general terms and conditions apply. Subject to alterations, errors and misprints.
Technical changes are reserved. Pictures similar to product!



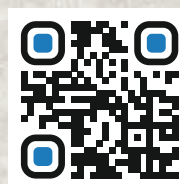
KERN-DEUDIAM

BUILDING HARDWARE & TOOLS TRADING LLC

kern-deudiam.ae | 36 24B Street, Al Quoz 2

Tel. +971 423 232 23 P.O. Box 936204

md@kern-deudiam.ae Dubai UAE



KERN-DEUDIAM

Diamantwerkzeuge und Maschinen GmbH

kern-deudiam.de Industriestraße 24

Tel. +49 5257 507-0 33161 Hövelhof

info@kern-deudiam.de GERMANY

