CARBO DIAM

YOUR POWER, OUR TECHNOLOGY

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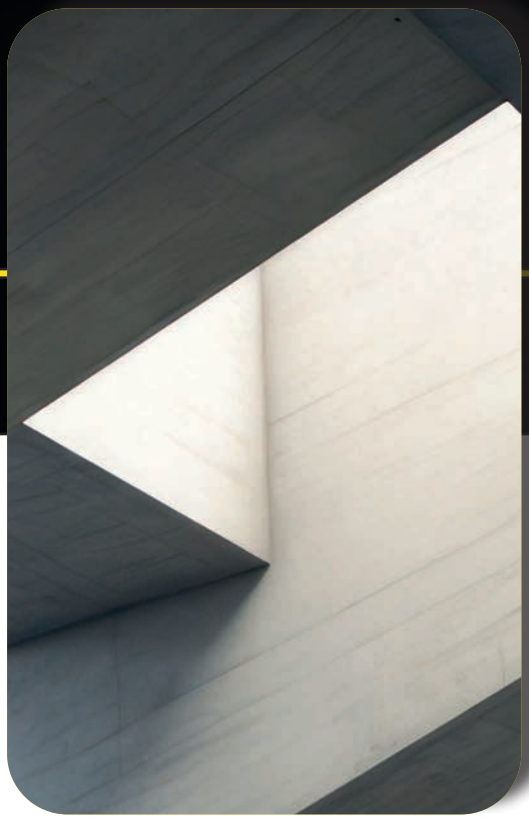
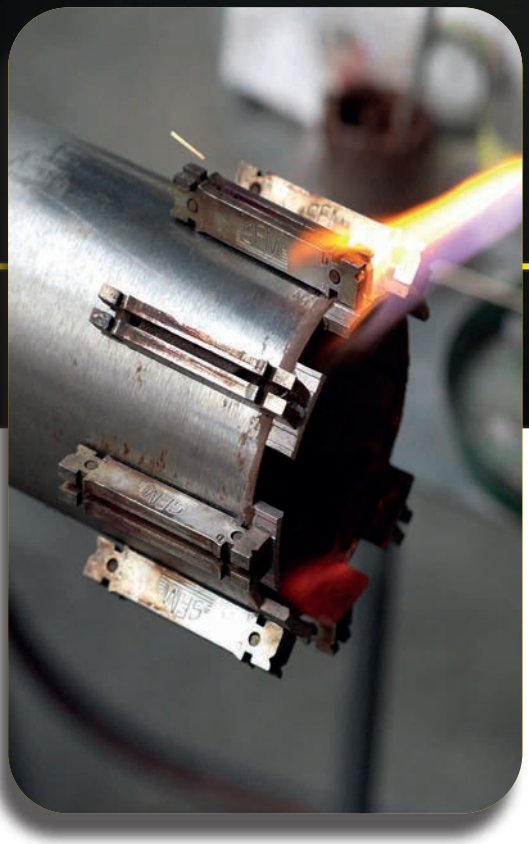
YOUR POWER, OUR TECHNOLOGY





www.carbodiam.com

EUROPEAN MANUFACTURER OF DIAMOND TOOLS

PERFORMANCE WITHOUT COMPROMISE

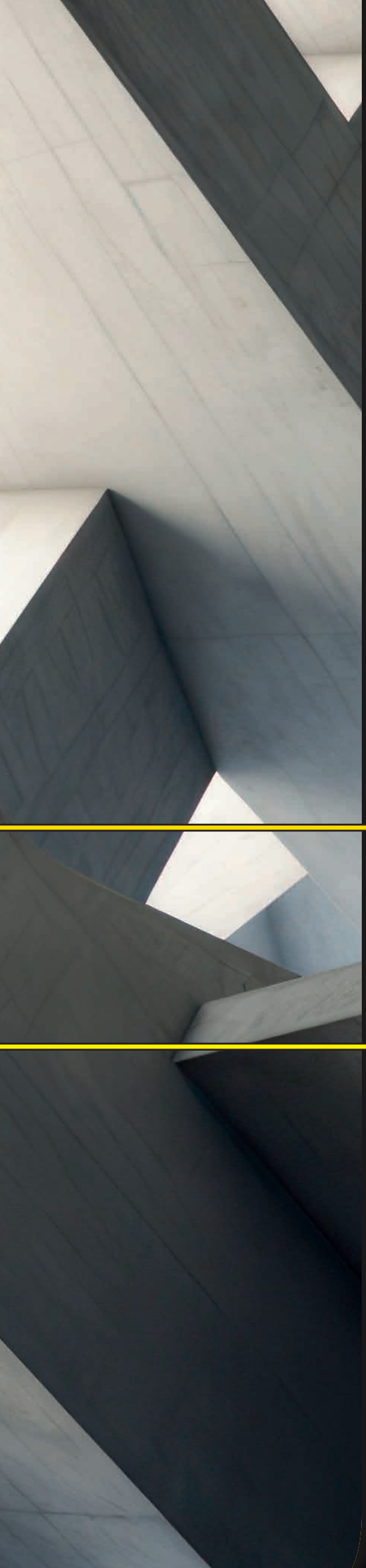
MADE IN EUROPE



Expert and manufacturer of custom-made diamond tools

Carbodiam has 71 years of expertise across multiple countries. Working with Carbodiam means investing wisely by making a strategic choice for your profitability and efficiency.

CRB YOUR POWER, OUR TECHNOLOGY



Two companies, united under one name

Since 01.01.2026

UD
ULTRADIA

carbodiam®
Your global solution manufacturer

Diamond Tools & Machines

DRILLING - SAWING - GRINDING

- 30 years of excellence in Benelux
- Training - Repair Center

European Manufacturer of Diamond Tools

TAILOR-MADE DIAMOND TOOLS

- 71 years of Diamond Tools Production
- INTERNATIONAL SALES TEAM

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A new visual identity

Stronger, clearer, and forward-looking.

This merger between **Ultradia and Carbodiam** marks a major milestone in our development: strengthening our services, streamlining our organization, and providing our clients with an even smoother and more efficient experience.

By combining our expertise, **we bring together the technology and responsiveness that have defined our reputation for over 71 years.**

This union guarantees a single partner capable of supporting all your needs, with the same commitment to quality and innovation.

Our new visual identity embodies this momentum: stronger, clearer, and forward-looking.



Enhanced services

Our services are evolving, our values are strengthening.
Our teams remain at your side, as always.

+71 years of expertise

More stock

Short production lead times

An optimised workshop

Enhanced services



OUR DNA,
OUR VALUES

COMMITMENT

TAILOR-MADE

CONNECTIVITY

PERFORMANCE



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OUR PROMISE

Working with Carbodiam is a smart investment.

- **Tailor-made industrial solutions:** designed to meet your specific needs.

- **Technical support at every stage:** you are never alone, Carbodiam is by your side from start to finish.

- **A reliable and indispensable partner:** more than just a supplier, a true ally in your projects.

- **Recognised international expertise:** over 70 years of technical experience at the service of your performance.

- **Strong industrial autonomy:** with our own production plant and repair workshop, we control the entire chain.

DRILLING

By

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www.carbodiam.com



Every professional has their own core drill.

Weka and Carbodiam, a successful partnership.

As an official dealer in Belgium, Carbodiam has been working with Weka for several years to guarantee you high-quality machines. Produced exclusively in Germany, 80% of the parts for your core drills are manufactured less than fifty kilometres from the Weka production site, which guarantees the quality of Weka core drills and drill stands.

Our repair workshop, located in Tilly, Belgium, receives regular training from our partner Weka to master the latest techniques and innovations. This means we can guarantee rapid repair of your machine, backed by the manufacturer's warranty, thanks to our large stock of spare parts and our expertise.

www.carbodiam.com



BESTSELLER

BESTSELLERS

Core drill DK17

WEKA



- Ø 20 to Ø 180 mm
- Power: 2000 W - 230V
- 3 speeds*: 540/1200/2520 rpm
- Weight: 6.3 kg• Connections: 1/2" – 5/4"
- Dual positioning control level
- Oil bath lubrication of the gearbox

Core drill SR38



- Ø 40 to Ø 400 mm
- Power: 3700 W - 230V
- 18 speeds*: from 180 to 1370rpm
- Weight: 16.5 kg
- Connection: 5/4"

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Core drill
HD 16

- Ø 20 to Ø 150 mm
- Power 3700W - 230V
- Speed: 630/1400/2900
- Weight: 6.2 kg
- Connections: 1/2‘ and 5/4’
- High-frequency motor
- IP 55 splash-proof
- **FU6 use essential**
- Specially designed for ceiling drilling



Core drill
DK 09

- Ø 30 to Ø 180 mm
- Power: 1800W - 230V
- Speed: 540 / 1700 rpm
- Weight: 5.2 kg
- Connection: 5/4"



Core drill
BL20/21

- Ø16 to Ø 200 mm
- Power: 2200W - 230V
- Speed: 570/1000/1700/2980 rpm
- Weight: 5.9kg
- Connection: 5/4"



Core drill
DK 17









WEKA

- Ø 20 to Ø 180 mm
- Power: 2000 W - 230V
- 3 speeds*: 540/1200/2520 rpm
- Weight: 6.3 kg
- Connections: 1/2" – 5/4"
- Dual positioning control level.
- Oil bath lubrication of the gearbox.

www.carbodiam.com

Core drill
DK 1603

- Ø 20 to Ø 180 mm
- Power: 2000 W - 230V
- 3 speeds*: 540/1200/2520 rpm
- Weight: 5.9 kg
- Connections: 1/2" – 5/4"
- Dual positioning control
- Oil bath lubrication of the gearbox

Core drill
DK 118

- Ø 100 to Ø 250 mm
- Power: 1600 W - 230V
- Speed*: 430 rpm
- Weight: 5.4 kg
- Connection: 5/4"

Core drill
DK 119

- Ø 100 to Ø 250 mm
- Power: 1600 W - 230V
- Speed*: 430 rpm
- Weight: 5.4 kg
- Connection: 5/4"

- For drainage, ventilation and drip nozzles.
- Soft start for large diameters.







Core drill
DKS 15







MICRO-PERCUSSION
DRY DRILLING

- Up to Ø 180 mm
- Power: 2000W - 230V
- Speed: 540 rpm
- Weight: 5.8 kg
- Connection: 1/4"
- Micro-percussion core drill for dry drilling in reinforced concrete.
- Vacuum cleaner required.

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Core drill
DK 26

- Ø 40 to Ø 250 mm
- Power: 2600 W
- Speeds*: 320/630/980 rpm
- Weight: 11.6 kg
- Connection: 5/4"

220V



Core drill
DK 32

- Ø 50 to Ø 350 mm
- Power: 3200 W
- Speeds*: 230/480/720 rpm
- Weight: 11.9 kg
- Connection: 5/4"

220V



Core drill
DK34

- Ø 80 to Ø 450 mm
- Power: 3200 W
- 3 speeds*: 150/300/470rpm
- Weight: 12.5 kg
- Connection: 5/4" or M33

230V



Core drill
DKS32

MICRO-PERCUSSION

BESTSELLER

WET/DRY DRILLING

WEKA

- Ø 50 to Ø 300 mm
- Power: 3200 W - 230V
- Speeds*: 230/480/720 rpm
- Weight: 12.4 kg
- Connection: 5/4"



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Core drill
SR65 JUMBO

- Ø 120 to Ø 500 mm
- Power: 7500 W
- 6 speeds*: from 140 to 305 rpm
- Weight: 18.3 kg
- Connection: 5/4" or M33

400V



Core drill
SR68 JUMBO

- Ø 50 to Ø 350 mm
- Power: 7500 W
- 18 speeds*: from 205 to 1370 rpm
- Weight: 16.5 kg
- Connection: 5/4"

400V



Special drilling: very long length
(mining core drill)

Core drill
SR75 JUMBO

- Ø 150 to Ø 900 mm
- Power: 7500 W
- 15 speeds*: from 60 to 360 rpm
- Weight: 19.5 kg
- M33 connection recommended.

400V



Core drill
SR 38 MAMMUT

BESTSELLER

WEKA



- Ø 40 to Ø 400 mm
- Power: 3700 W
- 18 speeds*: from 180 to 1370 rpm
- Weight: 16.5 kg
- Connection: 5/4"
- Available in automatic gearbox version





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	BL20 / BL21		DK09	DK17	DK1603	DK118	DK119	DKS15	HD16
Power	2000W - 230V		1800W - 230V	2000W - 230V	2000W - 230V	1600W - 230V	1600W - 230V	2000W - 230V	3700W - 230V
Diameter	ø16 to ø200mm		ø30 to ø180mm	ø20 to ø180mm	ø20 to ø180mm	ø100 to ø250mm	ø100 to ø250mm	Jusqu'to ø180mm	ø20 to ø150mm
Speed	570/1000/1700 2980rpm		540/1700rpm	540/1200/ 2520rpm	540/1200/ 2520rpm	430rpm	430rpm	540rpm	
Connectors	5/4''		5/4''	1/2'' - 5/4''	1/2'' - 5/4''	5/4''	5/4''	1/4''	1/2'' - 5/4''
Weight	5,4kg		5,2kg	6,3kg	5,9kg	5,4kg	5,4kg	5,8kg	6,2kg
IP 55	—		—	—	—	—	—	—	●
Recommended accessories									FU6 mandatory
Use(s)	💧	💧💧	💧💧	💧💧	💧	💧	💧💧	💧	💧
ID article	BL20 xxxx	BL21 xxxxx	11450	5383	13889	13793	11453	15167	13889
220V									

Our workshop, your technical support.

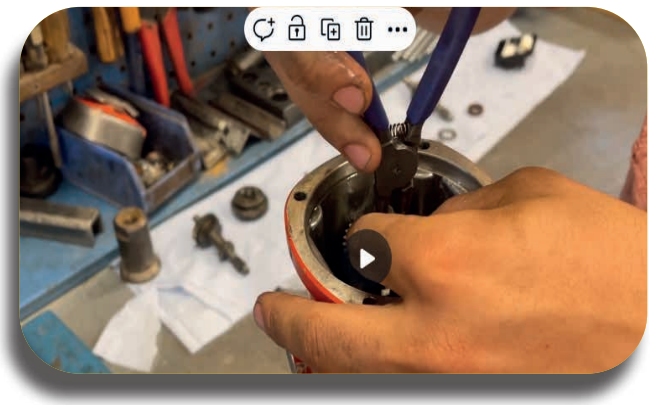
We have our own Weka and HG Hyper Grinder approved repair workshop. Our team undergoes regular training with our partners Weka in Germany and HG Hyper Grinder in Italy to master the latest techniques and innovations. We guarantee fast repairs for your machine, backed by the manufacturers' warranty, thanks to our large stock of spare parts and our expertise.



	DK26	DK32	DKS32	DK34	SR38	SR65	SR 68	SR75
Power	2600W	3200W	3200W	3200W	3700W	7500W	7500W	7500W
Diameter	ø40 to ø250mm	ø50 to ø350mm	ø50 to ø350mm	ø80 to ø450mm	ø40 to ø400mm	ø120 to ø500mm	ø50 to ø180mm	ø150 to ø900mm
Speed	320/630/ 980rpm	230/480/ 720rpm	230/460/ 720rpm	150/300/ 470rpm	De 180 to 1370 rpm	De 140 to 305rpm	De 205 to 1370 rpm	15 speeds From 60 to 360 rpm
Connectors	5/4”	5/4”	5/4”	5/4” ou M33	5/4”	5/4” ou M33	5/4”	M33/3
Weight	11,6kg	11,9kg	12,4kg	12,5kg	16,5kg	18,3kg	16,5kg	19,5kg
IP 55								
Recom-mended accessories	FU6 is mandatory with this machine.							Connector M33 5/4
Use(s)								
ID article	2510	2692	19483		4654	12746	13215	11095
220V						400V		

Insure your machine with our FPS contract.

With our maintenance contract, insure your machine annually. We will cover all costs related to normal wear and tear and standard maintenance of your core drill. You can renew this contract up to 3 years after purchasing your core drill. *



*See terms and conditions of the FPS contract

CRB YOUR POWER, OUR TECHNOLOGY

Ready to take on any challenge with our packs?

Choose from our core drilling units below.
With our units, you are well equipped for your work. And at the best price.

PACK DK17 + RIG RP17



- Power: 3200 W - 220 V
- Ø 20 to Ø 180 mm
- Connection: 5/4‘ or 1/2’
- Centring guide

- Box of 50 dowels
- M12 screws
- Water pump on trolley

Item ID - 14039

ACCESSORIES



PACK SR38 + RIG KS50

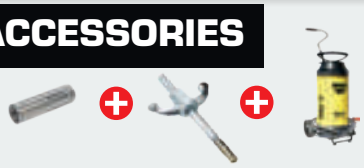


- Power: 3700W
- ø 40 to ø400mm
- 18 speeds: from 180 to 1370rpm
- Weight: 16.5kg

- Connection: 5/4"
- Box of 50 dowels
- M12 screws
- Water pump on trolley

Item ID - 12779

ACCESSORIES



PACK DK(S)32 + RIG RP36

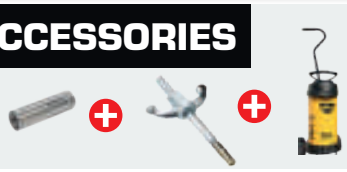


- Power: 3200 W - 220 V
- Ø 50 to Ø 350 mm
- Connection: 5/4"

- Box of 50 dowels
- M12 screws
- Metal tank pump on trolley

Item ID DKS32/RP36 - 19518
Item ID DKS32/RP36 - 19518

ACCESSORIES



PACK SR38 + RIG DR400



- Power: 3700W
- ø 40 to ø400mm
- 18 speeds: from 180 to 1370rpm
- Weight: 16.5kg
- Connection: 5/4"

- Box of 50 dowels
- M12 screws
- Wheels included

Item ID - 15377

ACCESSORIES





	RP17	RP36+	DR250	DR400	DR 700
ø Maximum drilling	200mm	350mm	250mm	400mm	700mm
Length in milli-metres	825mm	1000mm	1000mm	1000mm	1200mm
Maximum drill bit length	550mm	695mm	550mm	690mm	1000mm
45° inclination	oui	oui	oui	oui	oui
Weight	8,6kg	18,5kg	22kg	28kg	30kg
Wheels	oui	oui	—	—	oui
Option					
ITEM ID	13131	13133	12615	12619	12623



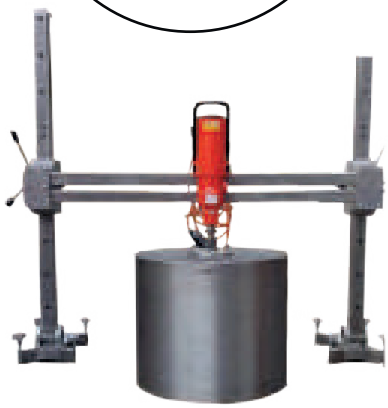
Automatic feed: convenience at your fingertips.



EASY INSTALLATION

Work comfortably and optimise your time with our automatic feed system.

Secure your equipment in record time thanks to the automatic feed and work easily, without additional cables. The automatic feed is compatible with our SR38/SR65/SR68/SR75 core drills and our KS50, DR400/600 rig + adapter plate.



Ready for any challenge.

Do you have a challenge for us?
Carbodiam is your partner for all your custom projects.

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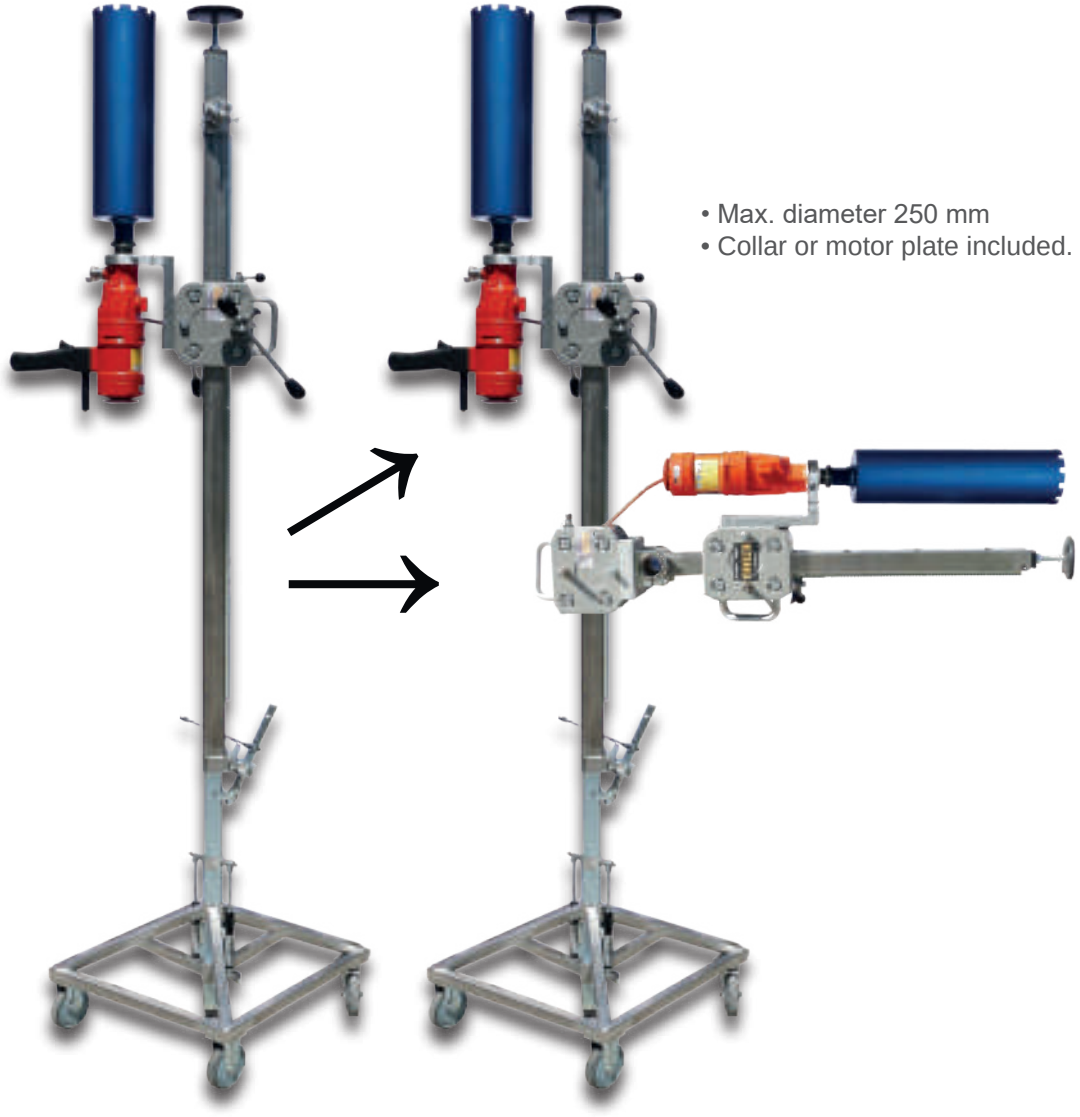
Configure your FLEXO unit according to your requirements.

Our FLEXO drill stand can be adjusted to suit your needs. Whether you want to drill into the ceiling or wall, you can easily adapt the stand to your worksite.

Heavy use | **Ceiling coring** | **Ceiling and wall coring**



- Max. diameter 250 mm
- Collar or motor plate included.

Item ID 14309 Item ID 14151

Core drill, drill bit and collector not included.

EXTENSION BAR FOR MOUNTING

- Quick installation
- No ground fixing required
- Min. height: 1700 mm
- Max. height: 3250 mm



Stand not included.

Item ID 3346

DSP 2000 EXTENSIBLE

- Maximum drilling diameter: 352 mm
- Column: 80 x 75 x 2000
- Motor: 60 mm plate
- Weight: 25 kg



Item ID 4393

DSP 3000 180° ADJUSTABLE

- Ceiling and wall drilling
- Dimensions: 1700/3000mm
- Maximum drilling diameter: ø200mm
- Outer tube: 50 x 50 x 1700mm
- Inner tube: 40 x 40 x 1700mm



Item ID 5903

ACCESSORIES

WATER COLLECTORS



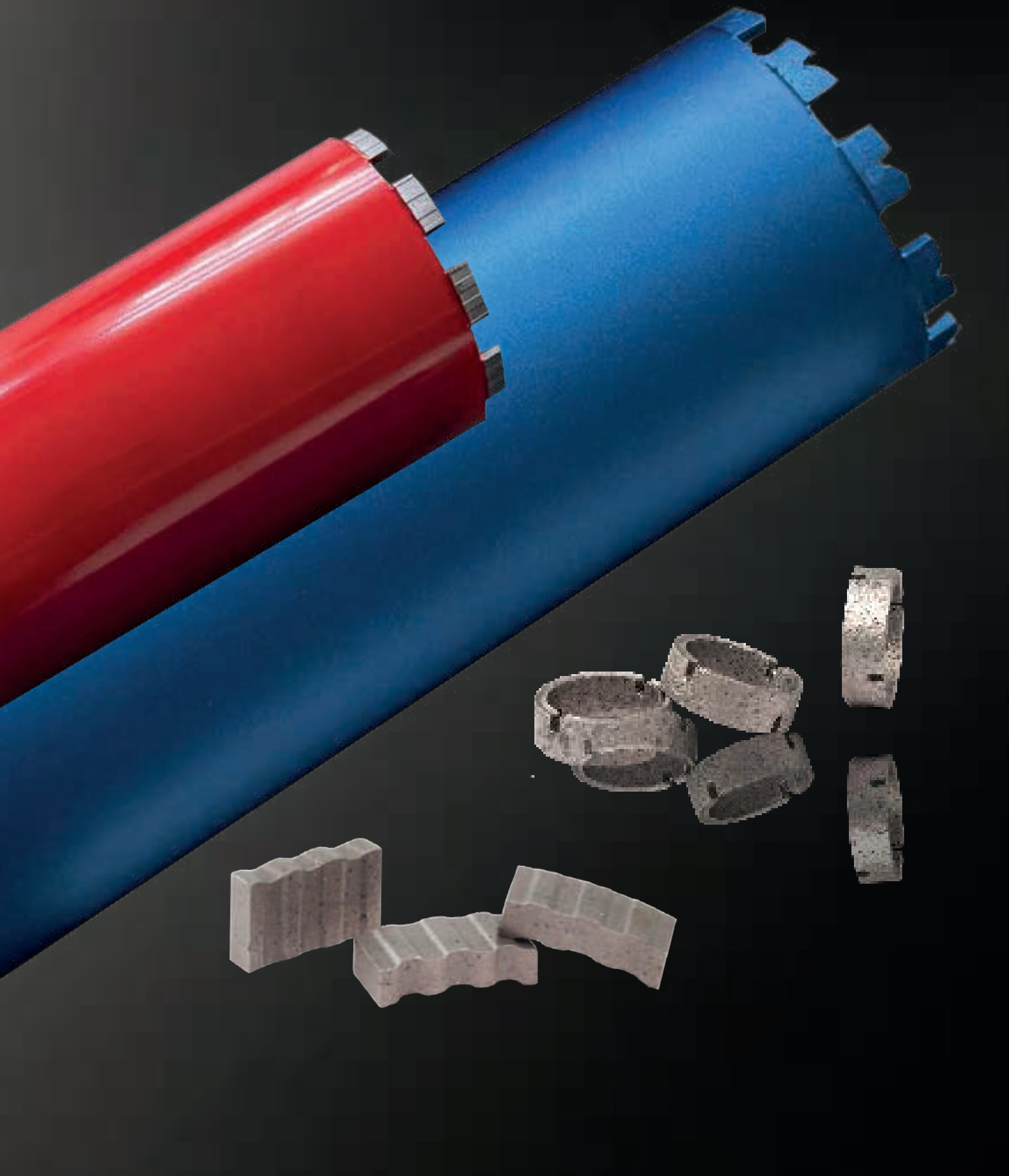
Ø	ITEM ID
Ø 100	4218
Ø 150	4219
Ø 200	4268
Ø 250	4514
Ø 300	14442
Ø 350	13308

JOINTS FOR WATER COLLEC-



Ø	ITEM ID
Ø 100	13315
Ø 150	13316
Ø 200	13317
Ø 250	13318
Ø 350	13319

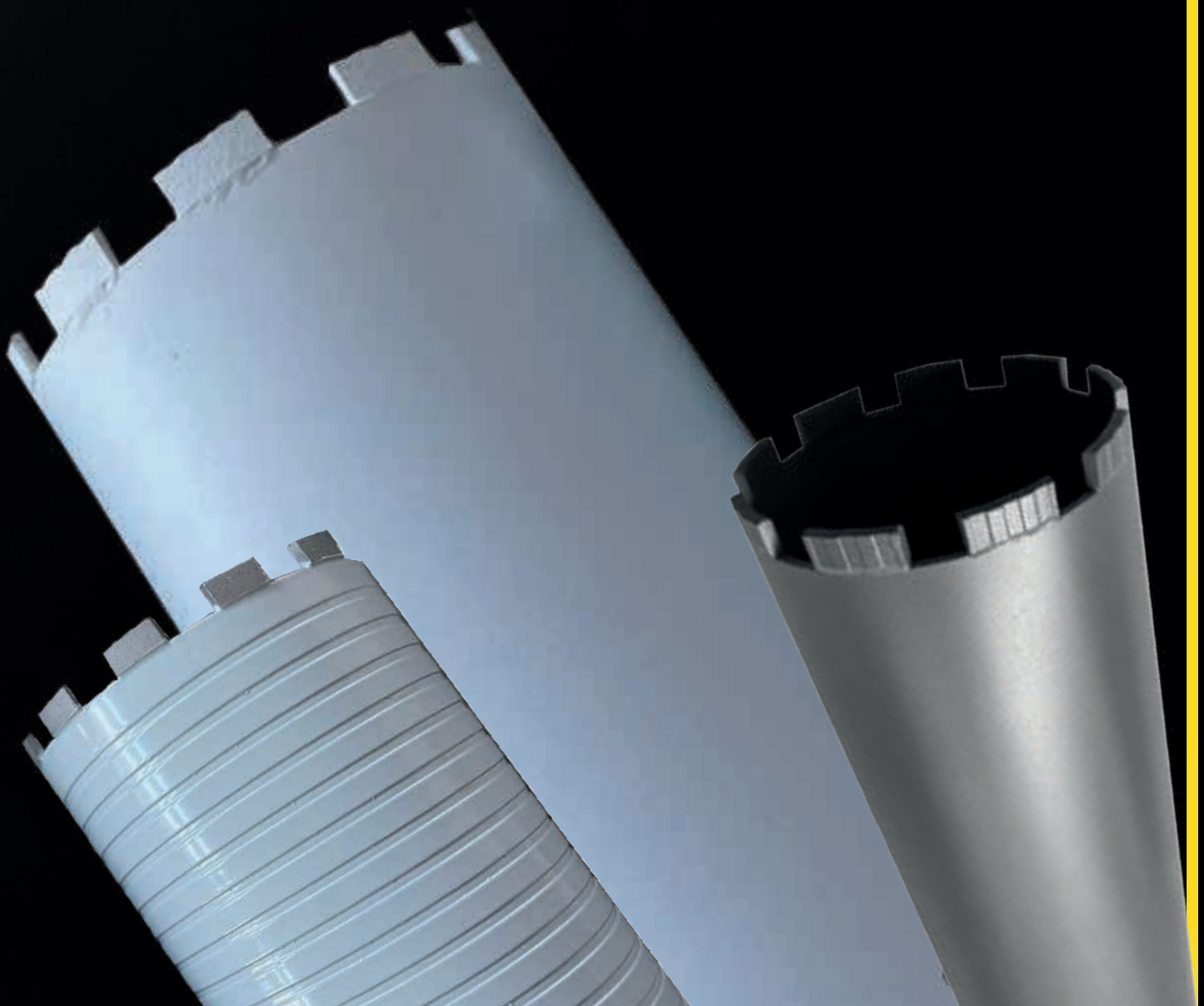
European Manufacturer of Diamond Tools



We are committed to putting our expertise at your service and offering you tailored technical solutions.

We develop high-performance tools that are rigorously tested and comply with the most demanding standards.

Our sales representatives and engineers provide technical support in the field to ensure that our diamond tools and machines are used correctly.

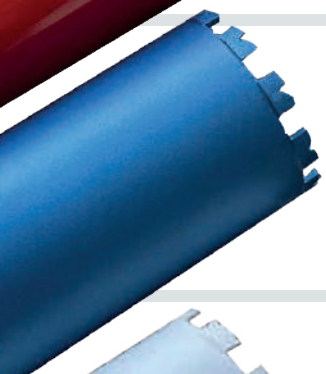




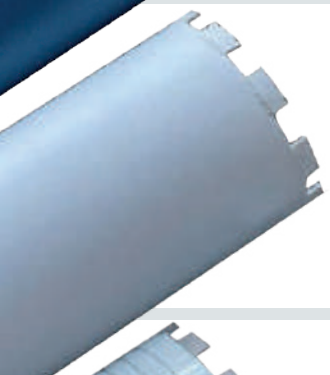
The drill bit suited to your project.



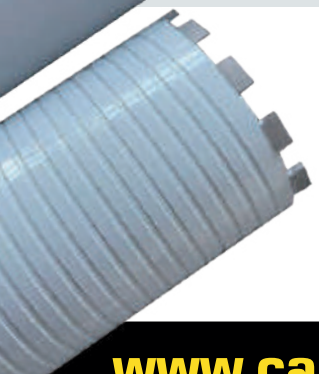
SCORE, our range for professional use with light core drills. Segment thicknesses from 3 to 5 mm. Laser welded.



ROCKET LINE, our range designed for very intensive professional use on the hardest and/or heavily reinforced materials. For high-powered, floor-mounted core drills. Segment thickness from 3 to 5 mm.



SPEEDOR, our range reserved for professional use in lightweight construction materials. Ideal for manual drilling. Segment thickness: 2.5 mm.



FALCOR, our range reserved for professional dry use. Ideal for micro-percussion core drills. Better dust extraction and cooling. Laser welded.

www.carbodiam.com



Belgian manufacturer of diamond tools

At our production centre, we manufacture professional-quality diamond drill bits for all types of materials and uses, whether dry or wet. As a Belgian manufacturer of diamond tools for 70 years, our production centre combines know-how and expertise to meet your expectations by providing you with high-quality diamond tools and offering tailor-made solutions.





Contact us

+32 71 87 76 40

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SEGMENTED DRILL BITS

	Very intensive use - heavily reinforced concrete			Professional use		
Diameter	Rocket line 5/4 - L450mm	Rocket Line 1/2 - L450mm		Score 5/4 - L450mm	Score 1/2 - L450mm	
20			CUSTOMISATION POSSIBLE		12993	CUSTOMISATION POSSIBLE
25					12994	
30					12984	
35					12985	
40					12987	
45					13674	
51	13886	20189		12961	12995	
56	14408			13151	13472	
61	13939	20190		12970	12971	
66	19059			13481	13497	
71	14217	20191		13152	13498	
76	13815	14111		13153	13473	
81	13814	20192		12972	12973	
86	14607			13482	13499	
91	13819	20193		12960	12959	
96	14609					
101	13813			12958	12974	
106	14641					
111	13887	19879		12957	12956	
116	19685			13693		
121	13811			12954	12955	
126	13937	20194		13202		
131	13798			12953	12952	
136	13816	20195		13154		
141	13818			13155		
146						
151	13835			12951		
156						
161	13808			12950		
166	19893	20197				
171	13858			13200		
176						
181	13817			13450		
186	19878					
191	15072				13635	
196						
201	14042				12949	
206						
211	13891					
219	13870	20198			13480	
225	19772					
230	13899					
240	19789					
250	13755				13483	

Professional use - Manual drilling	
Manual drilling	**Micro-percussion**
Speedor 5/4 - L300mm	**Falcor 5/4 - L 300mm**
15036	
15490	
13978	19806
19030	
13979	19801
15034	19802
15035	19803
14041	19866
14022	19804
15037	
15121	19805
19031	
13976	19794
20044	
19063	19795
14011	19796
19032	19797
13980	19798
19968	
14315	19867
19033	19799
14023	19800
20397	
14433	19820
14403	19821
19109	
13947	20188
19026	

CUSTOMISATION POSSIBLE

SMALL DIAMETERS

Ring Diameter	Profor
10	4965
12	2355
14	5101
15	2356
16	2357
18	2358
20	2359
22	2360
24	2361
25	3070
28	2363
30	2364
32	2365
35	4999
38	2369
40	2368

Diameter	Segments
28 - 5/4"	5377
30 - 1/2"	2301
30 - 5/4"	3665
32 - 1/2"	2302
32 - 5/4"	5015
35 - 1/2"	2304
35 - 5/4"	5607
40 - 1/2"	2307
40 - 5/4"	4287

LARGE DIAMETERS

Diameter	Rocket Line
262	19659
276	19777
280	15233
299	13894
315	19778
325	19779
320	20053
330	19660

CUSTOMISATION POSSIBLE






	TORNADOR	SHARKOR	ROOFTOP Z	ROOFTOP	
Low-power core drill	FCJ - FAST	FJB - FAST	FJZ - 0 - FAST	FJF - FAST	
High-power core drill	FKJ - LONG LIFE	FJP - LONG LIFE	FJZ - 2 - LONG LIFE	FJT- LONG LIFE	
Fast drilling in heavily reinforced concrete				FSF - FAST	
High-power core drill and abrasive aggregates				FRT - Xtra - Long Life	
For asphalt, basalt concrete, silico-aluminous refractories					
	H:10mm	H:12mm	H:12mm	H:12mm	
	Continuous rim				
		Turbo Start shape	Quick and precise start-up	Quick and precise start-up	
		Self-sharpening	Self-sharpening	Self-sharpening	
		Increased speed	Increased speed		
		Lower lateral friction	Lower lateral friction		
	Brazed or laser welded	Brazed	Brazed or laser welded	Brazed	
	For heavily reinforced concrete/hard stone.	For heavily reinforced concrete (all types of aggregates).	For heavily reinforced concrete.	For heavily reinforced concrete and abrasive aggregates.	
	Wet drilling	Wet drilling	Wet drilling	Wet drilling	

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	TWIN-TOP	NOTCHED	WAVOR	PREMIOR
	FVL - FAST	FBVUD - FAST & LONG LIFE	FJY - FAST	FXD - FAST
			FJM Xtra-FAST - Laser welded	
			FJH - Long Life	
			FAD - Xtra Long Life	
	H:12mm	H:12mm	H:10mm	H:8,5mm
			Thickness: from 2 to 10mm	
	Quick and precise start-up	Quick and precise start-up	Turbo Start shape	Turbo Start shape
	Self-sharpening		Self-sharpening	Self-sharpening
				Increased speed
				Lower lateral friction
	Brazed or laser welded	Brazed or laser welded	Brazed or laser welded	Brazed
	For heavily reinforced concrete.	For heavily reinforced concrete.	For heavily reinforced concrete, hard stone, deep drilling.	For heavily reinforced concrete, concrete blocks, masonry materials.
	Wet drilling	Wet drilling	Wet drilling	Wet drilling

TILES & CERAMIC STONEWARE

M14 for angle grinder



Ø	CODE	ITEM ID
Ø 6	FOM14-6	13426
Ø 8	FOM14-8	13427
Ø 10	FOM14-10	13428
Ø 12	FOM14-12	13429
Ø 14	FOM14-14	13430
Ø 20	FOM14-20	13593
Ø 25	FOM14-25	13594
Ø 32	FOM14-32	13595
Ø 35	FOM14-35	13596
Ø 38	FOM14-38	13597
Ø 45	FOM14-45	13598
Ø 50	FOM14-50	13599
Ø 55	FOM14-55	13600
Ø 58	FOM14-58	13602
Ø 60	FOM14-60	13603
Ø 65	FOM14-65	13604
Ø 68	FOM14-68	13605
Ø 70	FOM14-70	13606
Ø 75	FOM14-75	13607
Ø 80	FOM14-80	13608
Ø 102	FOM14-102	14181
Ø 110	FOM14-110	13609

FOR DRILL OR SCREW MACHINE

6 sides shaft



Ø	CODE	ITEM ID
Ø 6	FO1/4- 6	13830
Ø 8	FO1/4- 8	13831
Ø 10	FO1/4- 10	13832
Ø 12	FO1/4- 12	13833
Ø 14	FO1/4- 14	13834

FOR ELECTRICIANS

M16 length 70 and 160



Ø	ITEM ID L70	ITEM ID L160
Ø 31	2448	3636
Ø 41	3842	4546
Ø 56	2449	3637
Ø 66	2450	3638
Ø 68	2847	3639
Ø 71	2451	3640
Ø 76	4712	5136
Ø 81	2453	3641
Ø 91	2454	3642
Ø 101	2455	3632
Ø 106	4541	4142
Ø 111	2456	3633
Ø 121	2457	3634

ACCESSORIES



M16 adapter	Item ID
6 sides shaft	2733
SDS	3263

Centring drill bit	Item ID
L 72 mm	2957
L 160 mm	3777

ACCESSORIES

Centering suction cup



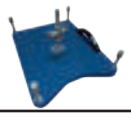
Item ID 14002



SET OF 5 M14 DIAMOND DRILL BITS

- M14 female connections for use on all angle grinders.
- Suitable for even the hardest tiles and natural stones.
- Dry and clean drilling.
- No centering guide required.

SET	Item ID
6mm	13426
8mm	13831
10mm	13428
12mm	13429
14mm	13430

			ITEM ID
Adapters		5/4’ - 1/2’ DDBU	2797
		5/4’ - 1/2’ DDBI	ADAPTA844N
		5/4’ M - 1/2’ M	2601
		5/4’ F - 1/2’ F	3004
		5/4M - 1/2’ F DDBL	6882
Extensions		Longueur 100mm 1/2’	2864
		Longueur 100mm 5/4’	3838
		Longueur 200mm 1/2’ et 5/4’	2606
		Longueur 200mm 5/4’	3839
		Longueur 300mm 1/2’	2974
		Longueur 300mm 5/4’	3002
		Longueur 400mm 1/2’	5311
		Longueur 400mm 5/4’	5312
		Longueur 400mm 5/4’	5662
Centering guide		L200MM L300MM L400MM L450MM	3782 3961 4264 6284
Box of 50 M12 dowels			3330
Drill Rig fastening M12 screw			11389
In bulk: 200 M12 dowels			19111
Multi-purpose fixing plate			19110
Nail puller			14252
Water head		M16 - 1/2’ G	3265
Centering pin		L72MM L160MM	2957 3777
Vacuum pump		220V	3805
Vacuum pump support			13459

			ITEM ID
Water collectors		ø100 ø150 ø200 ø250 ø300 ø350	4218 4219 4268 4514 14442
Water collector joints		ø100 ø150 ø200 ø250 ø350	13315 13316 13317 13318 13319
FU6 C			13888
FU6 D			14647
Water pump Plastic tank Without trolley			13754
Trolley for water pump with plastic tank			13995
Water pump Metal tank Without trolley			14007
Trolley for water pump with metal tank			13994

FLEX VCE 33
Automatic filter cleaning



- Automatic cleaning by vibration
- Double filtration (cartridge filter and tank filter)

FLEX VCE 44
Automatic filter cleaning



- Automatic cleaning by vibration
- Double filtration (cartridge filter and tank filter)

JUNIOR COMPACT
High-end



• Specially designed for suctioning liquids, they can be equipped with a filter for dust suction.

• Equipped with 1, 2 or 3 motors, its tank offers very high resistance to the most aggressive liquids and to shocks.

SLURRYVAK 114
Liquid suction



• Allows liquids to be vacuumed up in medium to large environments in less time than traditional cleaning methods.

• Ideal for collecting sanding slurry.

• High suction power combined with excellent manoeuvrability.

INCLUDED ACCESSORIES

COMPLETE ACCESSORY KIT
+ WHEELS INCLUDED



+ OPTION





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220 ICLEAN
Hepa filter



- 2 single-phase bypass motors.
- Collection of very fine dust.
- Self-cleaning without interrupting suction.
- Stainless steel.
- Filter protection to improve cyclonic effect.

S2M ICLEAN LONGOPAC



- 2 single-phase bypass motors.
- Fine dust extraction.
- Self-cleaning without interrupting suction.
- Stainless steel.
- Filter protection to improve cyclonic effect.

SMART 280 DRY
With socket



- 2 single-phase bypass motors.
- Dust and solids collection.
- Filter protection against abrasive materials and prevention of rapid clogging.
- Semi-automatic cleaning of the integrated filter.

S3M ICLEAN LONGOPAC



- 3 single-phase bypass motors.
- Suction of dust, solids and liquids.
- Modular trolley for interchangeable collection systems.
- Manual cleaning of the integrated filter.

	Flex VCE 33	Flex VCE 44	Junior Compact	Junior Compact	220 Iclean	Smart 280	Slur-ryvak 114	S2M	S3M
	/	/	2 motors	3 motors	/	2 motors	/	2 motors	3 motors
Motor	1200W	1200W	2600W	3600W		2220W	2x1300W	1600W	2400W
Voltage	230V	230V	230V	230V	230V	230V	230V	230V	230V
Tank	30L	42L	114L	114L	114L	25L	114L	Longopac	Longopac
Dimen-sions	56x35x-52cm	565x385 x650mm	57x108x60cm	57x108x-60cm	57x108x-60cm	54x58x-85cm	57x108x 60cm	70x54x-122cm	80x66x-142cm
Weight	14,5kg	16,7kg	/	/	38kg	36kg	38kg	61kg	74Kg
Item ID	14216	14611	11437	13354	19397	19621	19849	19138	19137

SAWING

By

CARBO DIAM

YOUR POWER, OUR TECHNOLOGY

www.carbodiam.com



Our blades: uncompromising performance.

Diamond blades for wall **saws, floor saws, table saws** and diamond wire.

Thanks to our advice and expertise, we will recommend the right diamond blade for your project. When you cut with our diamond blades, you can work with confidence and safety, as our diamond blades meet the most demanding safety standards. Whether you are working with heavily reinforced concrete, reinforced concrete, interlocking paving stones, etc., you will be able to get the job done easily.

Did you know? We have three production centres, located in Belgium, the Netherlands and Germany. Our three centres combine technology and innovation to offer you high-performance, high-efficiency diamond blades. Thanks to our teams, our diamond tools are constantly adapted to the market to better meet the challenges you face on your construction sites.

Would you like to visit one of our production centres? Contact us and we will be happy to guide you through the world of diamond sawing.

www.carbodiam.com



TAILOR-MADE WITH YOU

Tailor-made solutions, designed with you, to meet your needs.

SPYROSTAR

Universal use

- Segment height 10 mm.
- Comfortable and fast cutting.

RED LINE 17

Heavy-duty professional use

- Segment height 17 mm.
- Exceptional service life.
- High performance.
- Comfortable cutting.
- Less vibration.

PANTERA

Heavy-duty professional use

- High cutting power.
- Revolutionary segment.



Ø	Item ID
Ø 125	6323
Ø 230	6324
Ø 300 H.20	9104
Ø 300 H.25.4	9106
Ø350 H.20	6327
Ø350 H.25.4	6328
Ø400 H.20	6330
Ø400 H.25.4	6329

THE SYMBOL OF SAFETY

For all types of materials.



Ø	Item ID
Ø 230	13253
Ø 300 H.20	13257
Ø 300 H.25.4	13255
Ø 350 H.20	13254
Ø350 H.25.4	13256
Ø400 H.20	13258
Ø400 H.25.4	13259

THE SYMBOL OF SAFETY

For concrete, bricks, blocks, interlocking paving stones, reinforced concrete, etc.



Ø	Item ID
Ø 230	8667
Ø 300 H.20	9197
Ø 300 H.25.4	9198
Ø 350 H.20	9199
Ø350 H.25.4	9200
Ø400 H.20	9202
Ø400 H.25.4	9201

For hard, low-abrasive materials and reinforced concrete.

	Spyrostar	Red Line 17	Pantera	Incisor	Perfo Duo	Perfo Abra
Concrete	●	●●●	●●●	●●●		
Bricks	●●●	●●●	●●●	●●●		
Blocks	●●●	●●●	●●●	●●●		
Interlocking pavers	●●●	●●●	●●●	●●●		
Reinforced concrete		●●●	●	●●●		
Hard materials, low-abrasion materials	●	●●●	●	●●●		
Highly abrasive materials		●	●	●●	●●	●●●
Argex blocks	●●	●●●	●	●●	●●	●●
Heavily reinforced concrete		●●●	●	●●●	●●	●●●
Road asphalt		●			●●●	
Asphalte-concrete						

● Occasional. ●● May be suitable for alternate cutting. ●●● Highly recommended (ideal).

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INCISOR

Heavy-duty professional use

- Very high cutting speed.
- High diamond concentration.
- Very long service life.
- Revolutionary segment.



Ø	Item ID
Ø 125	5182
Ø 230	5097
Ø 300 H.20	4237
Ø 300 H.25.4	4474
Ø 350 H.20	4475
Ø 350 H.22.2	5184
Ø350 H.25.4	4476
Ø400 H.20	5185
Ø400 H.25.4	5176

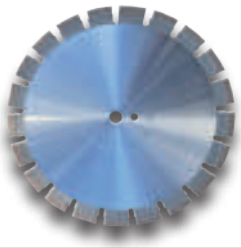
THE SYMBOL OF SAFETY

For highly abrasive materials.
Argex blocks, Ytong blocks, interlocking paving stones, heavily reinforced concrete.

PERFO DUO

ASPHALT **CONCRETE**

- Significant reduction in vibrations thanks to the trapezoidal shape of the segments, ensuring very low spacing.
- Withstands the most extreme conditions.



Ø	Item ID
Ø 125	14633
Ø 180	14614
Ø 350 H.20	11927
Ø 350 H.25.4	12460
Ø 400 H.20	11928
Ø 400 H.25.4	14292

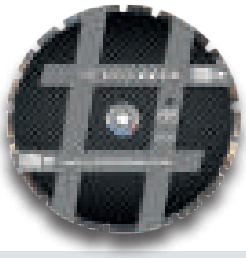
THE SYMBOL OF SAFETY

For highly abrasive materials:
road asphalt.
Universal cut

PERFO ABRA

ASPHALT **CONCRETE**

- Sheet metal protected by stellites.
- Very hard binder.
- High diamond concentration to ensure a long service life.



Ø	Item ID
Ø 350 H.20	1718
Ø 350 H25.4	2888
Ø 400 H.20	3202
Ø 400 H.25.4	3200

For asphalt - fresh concrete.

WALL CHASER

Specific grooving blade

- Forged segment with a height of 13 mm
- For very hard materials, reinforced concrete.



Ø	Item ID
Ø 150	20163
Ø 180	20069



Tiles, earthenware, ceramic stoneware, natural stone

ULTRA TILES

• Continuous diamond rim for a clean, fast cut without chipping.



Ø	Item ID
Ø 115	1860
Ø 125	1861
Ø 150	1862
Ø 180 H22.2	1863
Ø 230 H22.2	3620

For tiles, ceramics, wall tiles, natural stone.

ULTRA CERAM

• Precise cutting for delicate and very hard materials.
• Dry cutting possible.



Ø	Item ID
Ø 115	5749
Ø 125	3618
Ø 150	5751
Ø 230	5753

For delicate and very hard materials: hard ceramics, ceramic stoneware, natural stone: marble/granite, etc.

Special applications

PVC BLADE 125

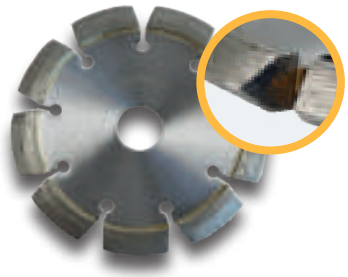
• Cuts and chamfers PVC pipes.



With chamfer	Item ID
Ø 125	14115
Without chamfer	**Item ID**
Ø 125	13778

CRACK CHASER

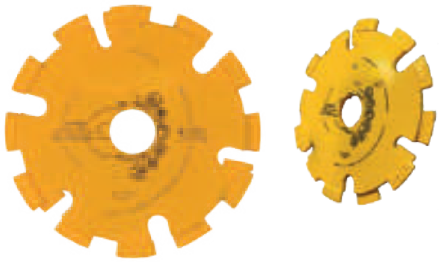
• For sawing joints in concrete with chamfers.
• Ideal for applying resin joints and repairing cracks.



Ø	Item ID
Ø 125	11603
Ø 150	13408
Ø 230	13409

JOINT CLEANING

• Protected sheet metal and alternating segment positioning for better cooling.
• 8mm cut in a single pass.



Ø	Item ID
Ø 115	2023
Ø 125	2024

Bluestone / Marble

- A perfect cut, without chips.
- Equipped with a diamond flange and strips, your blade will simultaneously smooth the sawn section.

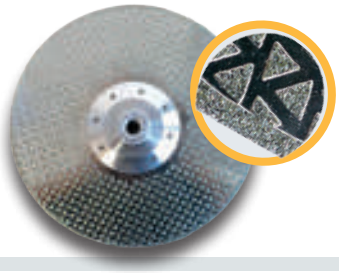


With strips & flange	Item ID
Ø 125	3904
Ø 230	3739

No return	Item ID
Ø 125	3740
Ø 230	3741

Pierres naturelles

- Offset blade.
- Two diamond-coated sides for precise, chip-free cutting.
- Enables chamfering.



Ø	Item ID
Ø 125	13779
Ø 230	13780

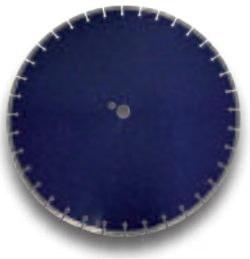
PERFORMANCE WITHOUT COMPROMISES

Innovate without compromise, between cutting speed and the service life of your diamond tools.

UNIVERSAL TABLE

Versatile use

- Binder ensuring fast cutting.
- Diamond height 10 mm.



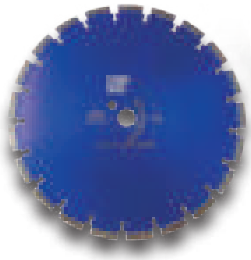
Ø	Item ID
Ø 450	19396
Ø 600	15371

For all types of building materials.

CONCRETE TABLE

Intensive professional use

- Flexible bond ensuring high-performance cutting.
- High diamond concentration for a very long service life.
- Option of silent sheet metal.



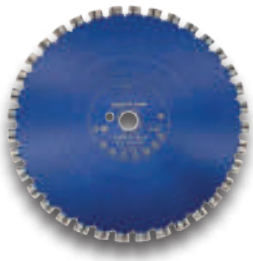
Ø	Item ID		Item ID		Item ID
Ø 350	5155	Ø 600 H25.4	5164	Ø 750	13662
Ø 400	5156	Ø 650 H25.4	5165	Ø 900	5384
Ø 500 H25.4	5157	Ø 700	5167		

For hard to very hard building materials: hard concrete blocks, hard interlocking paving stones, diamond bricks, etc. Silent sheet metal version available on request.

AMPHIBIA TABLE

Silent blade

- Specially designed for the AMPHIBIA® concept
- Fast cutting from one end to the other up to a depth of 145 mm.



Item ID	ø	Bore
19548	ø 350	H25.4
19549	Ø 450	H25.4
19550	Ø 500	H25.4

Applications: paving stones, concrete products, refractory bricks, sand-lime bricks, bricks, granite.

FB 650/700



- Central hook and 4 eyelets for crane.
- Motor with brake ensuring quick stop of the diamond blade.
- Angle stop from 0 to 180°.
- Plug-in water pump for quick and safe replacement.
- Removable water tank.

CTS 760



- Removable water tank.
- Double ball bearing rocker.
- 32 cm in a single pass.
- Fully galvanised.
- Stable and robust machine
- Belt drive.
- Centrifugal clutch.
- High mobility of the cutting head, 4 closed crane hooks for safe movement.

	FB 650/700	CTS 760
ø blade	650/700mm	780mm
Motor	5,5kW	4kW
Power	400V	**220V**
Cutting length	600mm	570mm
Cutting depth	275/295mm	320mm
Weight	330kg	212kg
Item ID	FB650 : 15251 FB700 : 15274	19679

TABLE TILES

• Continuous diamond rim for a clean, fast cut without chipping.



Ø	Item ID	Ø	Item ID
Ø 180	2912	Ø 300	1867
Ø 200	3405	Ø 350	2917
Ø 250	2943		

For ceramics, wall tiles, floor tiles, soft natural stone.

TABLE CERAM +

• Continuous diamond rim for a clean, fast cut without chipping.



Ø	Item ID	Ø	Item ID
Ø 180	19184	Ø 250	19187
Ø 200	19185	Ø 350	19188
Ø 230	19186	Ø 450	14280

For ceramics, wall tiles, floor tiles, natural stone.

TABLE CERAM TOP

• Precise cutting in the hardest materials.
• Dry cutting possible.



Ø	Item ID
Ø 300	14541
Ø 350	13137

For delicate and very hard materials: natural stone, marble, blue stone, etc.

Cutting ceramic stoneware and natural stone

TTS 500



TTS 520



• Tile saws for cutting thin ceramic stoneware and natural stone slabs up to 25 mm thick.
• Bevel cutting for horizontal tiling on the cutting table.
• Mobile cutting head with multiple bearings, tilt mechanism and integrated gas pressure damper for precise cutting.
• Components installed for your safety: cable trays and electrical switch.
• Removable water tray for quick and easy cleaning.
• Foldable legs for easy transport.

ACCESSORY

Table extension (Item no. 15183)

	TTS 500	TTS 520
ø blade	230mm	250mm
Motor	2,2kW	2,2kW
Power	220V	220V
Cutting length	1000mm	1450mm
Weight	*59kg	*86kg
Item ID	15380	15177

*Weight without accessories.

AMPHIBIA

Dust-free dry sawing and wet sawing.

- Less clogging of the machine due to dry cutting.
- Effective dust extraction via a closed system.
- Pre-filtering by a cyclone that separates dust directly into a bag.
- Dry-cut material prevents mud stains.
- Significant noise reduction with the TABLE AMPHIBIA blade.



Ingenious filtering system for a closed dust removal circuit



Separation of coarse dust by cyclone (>90% total)



	AMPHIBIA 800	AMPHIBIA 830	AMPHIBIA 850
Motor	2,2kW - 230V	2,2kW - 230V	2,2kW - 230V
Blade size	350mm	450mm	500mm
Dry cutting length	Up to 450mm	Up to 455mm	Up to 480mm
Wet cutting length	600mm	600mm	600mm
Maximum cutting depth in dry cutting	95mm	135mm	160mm
Maximum cutting depth when wet cutting	110mm	145mm	170mm
Weight	109kg	120kg	129kg
Dimensions L x l x h	1110x600x1200mm	1110x600x1200mm	1110x600x1200mm
Item ID	15509	15398	19155



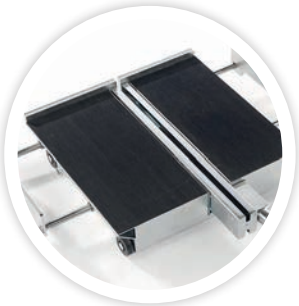
Interchangeable suction channel for easy adjustment without tools (patented)



Magnetic support allowing the dust bag to be replaced in seconds



Disengageable water pump for dry cutting



Special rolling table with integrated extension on both sides

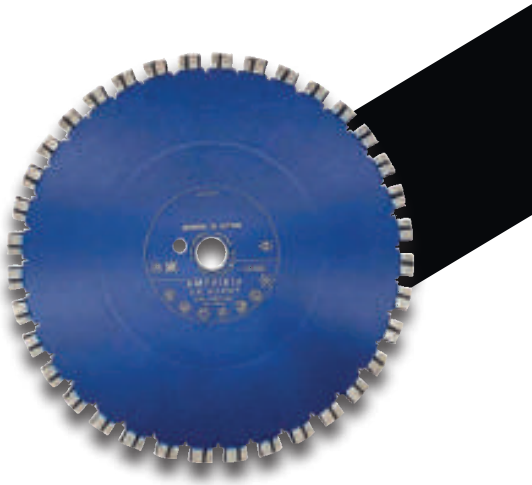


Telescopic tray extension for larger materials



Effective suction power even during cutting from start to finish

TABLE AMPHIBIA
Silent blade



The TABLE AMPHIBIA diamond blade has been specially designed for the AMPHIBIA® concept and enables fast cutting from one end to the other up to a depth of 145 mm.

SILENT
Silent steel core to protect the operator.

EFFICIENT
Guarantees long-lasting cuts from start to finish. Stays sharp and produces clean cutting edges.

MULTIPUPROSE
Versatile in materials for dry and wet cutting.

Applications : paving stones, concrete products, refractory bricks, sand-lime bricks, bricks, granite.

ID art.	ø	Bore
19548	ø 350	H25.4
19549	Ø 450	H25.4
19550	Ø 500	H25.4

CRB YOUR POWER, OUR TECHNOLOGY

ECS 500
Electric cutting-saw

The ECS 500 electric cutting-saw delivers power and versatility for both wet and dry cutting. You will appreciate its cutting capabilities and ease of use.



- Optimal cutting performance.
- Ergonomic handle.
- Magnesium protective casing.
- Tool-free casing tilt.
- Splash guard.
- Removable wheels.
- SOFT START gradual start-up.

Blade not included.

TK 40
Electric chain saw



- Extremely powerful and versatile.
- Suitable for cutting concrete, masonry and stone.
- High-frequency water-cooled motor.
- Ideal for difficult locations.
- Works with an FU6.

	ECS 500	TK 40	TS40	TR40	HS40	HS50	WS 76 H FRIDA
Power	2800W	3700W	3700-6500W	3700-6500W	3700W	3700-6500W	9000W
Voltage	220-230V	230V	230-400V	230-400V	230V	230/400V	230-400V
Cutting depth	125mm	/	165mm	300mm	165mm	205mm	300mm
ø	350	/	400	400	400	500	400
Speed	/	/	2500	2400	2800	2700-4800	2400
Weight	7,9kg	9,8kg	9,4kg	13kg	8,5kg	8,5kg	13kg
Use							
Item ID	14431	15455	14285	14286	12484	15047	/

WEKA WEKA

TS 40
Electric ring-saw



- Ergonomic, adjustable handle.
- Adjustable blade guard.
- Water-cooled high-frequency motor.
- Splash protection.
- IP55

Blade not included.

TR 40
Electric ring-saw



- Ergonomic, adjustable handle.
- Adjustable blade guard.
- Water-cooled high-frequency motor.
- Splash protection.
- IP55

Wet cutting only → 30cm.

Blade not included.

HS 40/ HS50 EMMA
Electric cutting-saw



- Water-cooled high-frequency motor.
- Splash-proof protection.
- IP55

WS 76 H FRIDA
Wall saw





- Water-cooled high-frequency motor.
- Very easy to disconnect the motor without tools.
- Variable speed for a wide range of diameters.
- Gearbox with oil bath lubrication and overload clutch. • Protective casing for your safety.
- IP55.
- Flush cutting possible.

For masonry, blocks, concrete and heavily reinforced concrete.

ACCESSORIES

FU6 C
Standard version



Item ID - 13888

FU6 D
Digital screen version



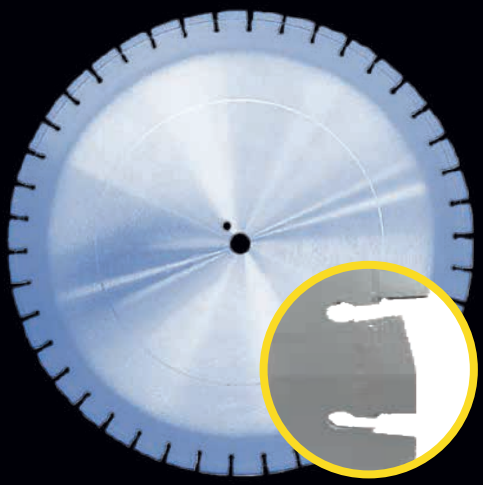
Item ID - 14647

NEW SSP

FLOOR SAW BLADES

Fast cutting, maximum protection, unrivalled performance

High performance and reliability:



- 13 mm laser-welded blades with protecting segments for fast cutting and protection of the steel core.
- Excellent cutting speed and service life for all applications.
- Innovative alloys for unrivalled cutting power.
- Maximum safety thanks to the design of the protecting segments, which guarantees stability, durability and protection of the steel core against hasty wear.

- BVE : for light machinery.
- BZ : Reinforced concrete.

Blades	Designation
30-50 HP	"BZ9"
50-75HP	"BZ12"
> 75HP	"BZ14"

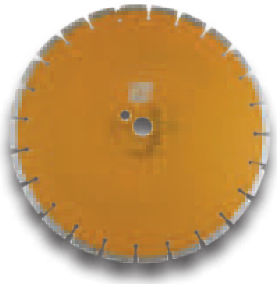
- BX : Very hard concrete and asphalt on concrete.
- AG : Asphalt

Blades from Ø500 mm to 1200 mm

ø	BVE	BZ9 - 3,9mm	BZ9 - 4,2mm	BZ9 - 4,7mm	BZ12 - 3,9mm	BZ12 - 4,2mm	BZ12 - 4,7mm	BZ14 - 3,9mm	BZ14 - 4,2mm	BZ14 - 4,7mm	BX	AG
350	5148										Overlay	Overlay
400											Overlay	Overlay
450	4506										Overlay	Overlay
500	4961	20312			20321			20327			Overlay	Overlay
600	5066	19982	20313	20314	20322	20068	20141	20328	20329	20330	Overlay	Overlay
700	6332	20315	20315	20317	20323	20142	20324	20331	20332	20333	Overlay	Overlay
800	9959		20259	20318		20175	20325		20334	20335	Overlay	Overlay

PRO BF1
FRESH CONCRETE

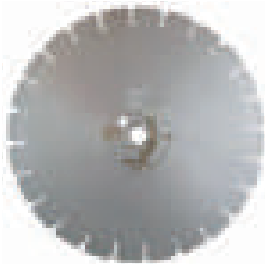
• Thin blades for creating expansion joints in fresh concrete and industrial floors.
• For very hard floors, large flint aggregates.



Ø	Item ID
Ø 300	5288
Ø 350	5208

PRO BF2
FRESH CONCRETE

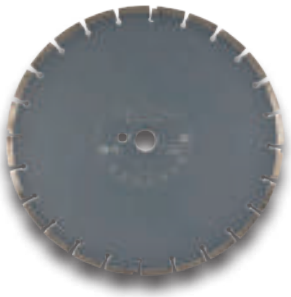
• For hard floors, standard aggregates.



Ø	Item ID
Ø 300	8424
Ø 350	6573

PRO BF+
FRESH CONCRETE

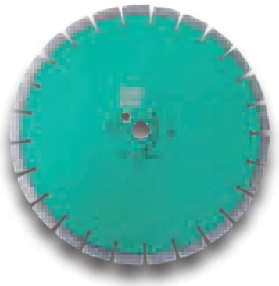
• For abrasive materials, road asphalt.
• Segments designed for fast and precise cutting.
• Reduced vibration ensures chip-free cutting.
• Very long service life.



Ø	Item ID
Ø 300	11811
Ø 350	11810

BIC
FRESH CONCRETE

• Abrasive materials and road asphalt.
• Segment height 15 mm.
• Concrete can be sawn after 6 hours.



Ø	Item ID
Ø 300 H15	20243
Ø 350 H15	20242

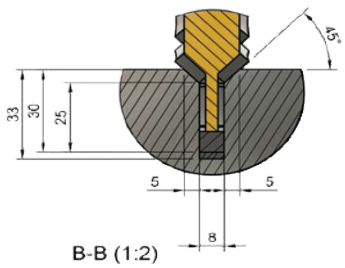
Special applications

GROOVING CUTTER



Ø	Type	Thickness	Item ID
350	PRO RAI 350-8	8 mm	9875
350	PRO RAI 350-10	10 mm	5430

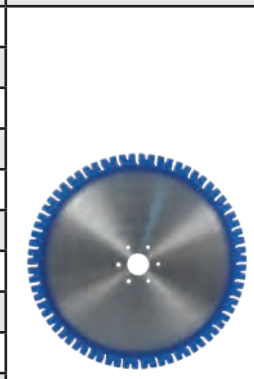
GROOVING CUTTER + CHAMFER

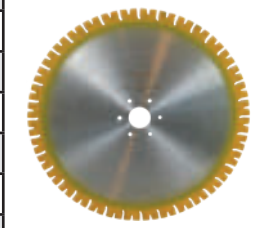


Ø	Type	Thickness	Item ID
350	PRO RAIC 350-8	8 mm	9875
350	PRO RAIC 350-10	10 mm	5430

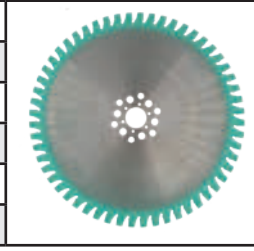
Other thicknesses available on request.
Maximum thickness 20mm.

Blades for wall saws

Item ID		VZC		Machines up to 15 kW		
		ø	Type	Thickness	Height.seg	Power
13776		ø600	VZC-600	5,1 - 4,9mm	20mm	●
12442		ø650	VZC-650	5,1 - 4,9mm	20mm	●
19814		ø800	VZC-800	5,1 - 4,9mm	20mm	●
15019		ø900	VZC-900	4,8 - 4,6mm	20mm	●
On request		ø1000	VZC-1000	4,8 - 4,6mm	20mm	●
15244		ø1200	VZC-1200-45	4,5 - 4,3mm	20mm	●
On request		ø1200	VZC-1200-48	4,8 - 4,6mm	20mm	●
On request		ø1400	VZC-1400-44	4,4mm	13mm	●
On request		ø1500	VZC-1500-44	4,4mm	13mm	●
On request		ø1600	VZC-1600-44	4,4mm	13mm	●
13193		ø1800	VZC-1800-44	4,4mm	13mm	●
On request		ø2000	VZC-2000-44	4,4mm	13mm	●
On request		ø2200	VZC-2200-44	4,4mm	13mm	●

Item ID		VYC		Machines from 15 kW to 22 kW		
		ø	Type	Thickness	Height.seg	Power
11311		ø600	VYC-600	5,1 - 4,9mm	20mm	●●
12426		ø650	VYC-650	5,1 - 4,9mm	20mm	●●
9467		ø800	VYC-800	5,1 - 4,9mm	20mm	●●
11314		ø900	VYC-900	4,8 - 4,6mm	20mm	●●
14243		ø1000	VYC-1000	4,8 - 4,6mm	20mm	●●
11559		ø1200	VYC-1200-45	4,5 - 4,3mm	20mm	●●
On request		ø1200	VYC-1200-48	4,8 - 4,6mm	20mm	●●
14435		ø1400	VYC-1400-44	4,4mm	13mm	●●
11647		ø1500	VYC-1500-44	4,4mm	13mm	●●
12028		ø1600	VYC-1600-44	4,4mm	13mm	●●
14329		ø1800	VYC-1800-44	4,4mm	13mm	●●
11719		ø2000	VYC-2000-44	4,4mm	13mm	●●
14238		ø2200	VYC-2000-44	4,4mm	13mm	●●

Item ID		VXC		Machines > 22 kW		
		ø	Type	Thickness	Height.seg	Power
12436		600	VXC-600	4,7 - 5,1mm	20mm	●●●
12437		700	VXC-700	4,7 - 5,1mm	20mm	●●●
13732		800	VXC-800	5,1mm	20mm	●●●
19516		900	VXC-900	4,5mm	20mm	●●●
10895		1000	VXC-1000	4,5mm	20mm	●●●
11304		1200	VXC-1200-45	4,5mm	20mm	●●●
On request		1200	VXC-1200-48	4,5mm	20mm	●●●

Item ID		VAEQ		Machines from 15 kW to 22 kW		
		ø	Type	Thickness	Height.seg	Power
On request		600	VAEQ-600	5,1mm	17+3mm	●●
19174		800	VAEQ-800	5,1mm	17+3mm	●●
19412		900	VAEQ-900	4,8mm	17+3mm	●●
On request		1000	VAEQ-1000	4,5mm	17+3mm	●●
13170		1200	VAEQ-1200	4,5mm	17+3mm	●●

● Low power.
●● Average power.
●●● High power.

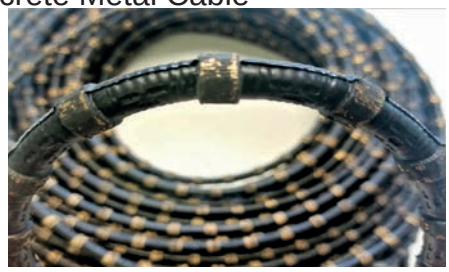
Diamond wires

Our high-quality diamond wires for cutting, demolition and dismantling concrete and reinforced concrete. Working with our diamond wires ensures precise and safe work. Attentive to our customers' requirements, we can manufacture customised diamond wires to suit the different situations encountered on your construction sites. All at very competitive prices.

CBC

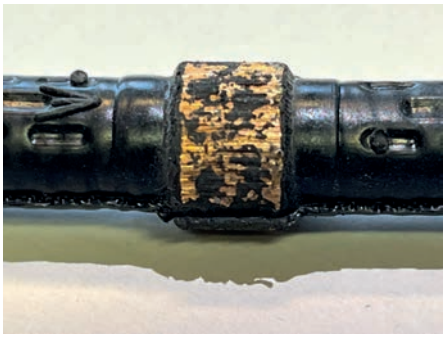
- **High cutting performance**
- **Unrivalled cutting speed**
- **Flawless rubber-on-spring assembly**
- **Greater flexibility for all types of machinery**

CBE = Electro Concrete Cable
CBM = Concrete Metal Cable

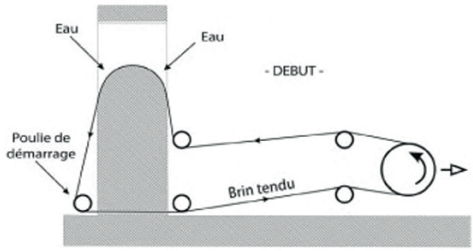


CBC10540 - 13
CBC10540 - 15
CBC10540 - 22

CBC : Concrete cutting.
CBM : Metal cutting.
CBE : Concrete / Metal cutting. Electroplated.



We offer a wide variety of mounting configurations based on the number of beads per metre, from 40 to 53 PPM for precise, smooth cutting. **More beads per metre means less impact on the cable.**



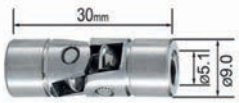




Accessories



Smooth connection



articulated connection





Accessory for removing the pin from the articulated connection



Cable cutter



Crimping pliers

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REFRACTORY MATERIALS



CARBO DIAM

YOUR POWER, OUR TECHNOLOGY



Electrofused refractory products	WET CUT	
ZAC/AZZ; Zircon Corundum Zircosit Cohardt; Jargall; Molten basalt; Basaltine, etc. (Density 3.5 to 5.2)	RZF	SILVER
	RBT	BLUE

Siliceous refractory products	WET CUT	
Silico-aluminous Overcompressed tablets with 42% to 85% alumina content. Silica; sillimanite, etc. (Density 2 to 3.8)	RSA	RED
	RBT	BLUE

Highly abrasive refractory products	WET CUT	
Silicanite-C104; Silicon Carbide; Chromium Oxide Corundum; Lightweight Insulating Bricks, etc. (Density from 0.8 to 3.5)	RC	YELLOW

Basic refractory products	WET CUT	
Magnesia; Chromium magnesia; Magnesia-chromium; Dolomite; Carbon resin-bonded dolomite; Graphite; Anker-D; Anker T15; Lightweight insulating bricks, etc. (Density from 0.5 to 3.5)	RB	ORANGE
	RBT	BLUE

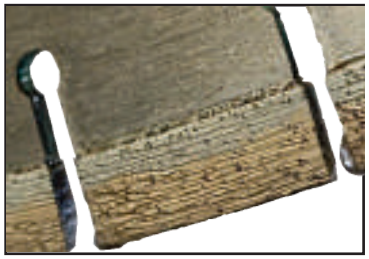
CONTACT US

+32 71 87 76 40

PRE-STRESSED BLADE

For cutting hollow core slabs

Unrivalled technology that guarantees maximum density









Set new standards in cutting efficiency:

Laser-welded segments – height 19 mm, the only ones in the world that are entirely diamond-coated along their entire height.

Our high-end segment is made up entirely of diamonds. No compromises.

Quick and easy start-up. Consistent optimal performance thanks to our unique segment design:

- Special ‘quick-start’ shape for fast start-up.
- Self-sharpening technology for continuous efficiency.
- Constant high-speed cutting throughout the entire service life of the segment.

Use:

- Designed for heavily reinforced concrete (24 H).
- Blades diameters: Ø 500 mm to Ø 1300 mm.
- Compatible with machines from 30 HP to 75 HP.

Engine power	Diamond specification
50 HP	"P11"
50-75HP	"P12"
> 75HP	"P13"

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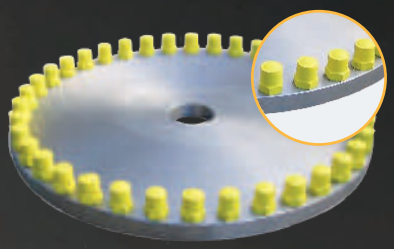
INDUSTRIAL APPLICATIONS TAILOR-MADE

GRINDING LARGE PLATE

A complete range of tools for abrasive construction material such as bricks, blocks and pavers



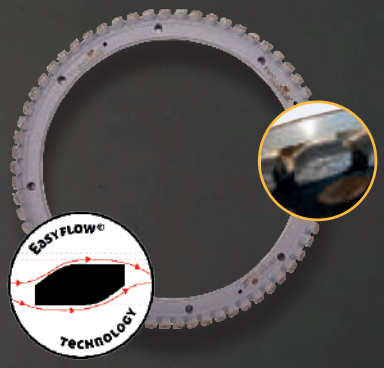


Segment height	18 to 27
Segment thickness	10 to 15
Blade diameter	500 to 1350
Ring type	Suitable for all types of machines

*Other diameters and thicknesses available on request

Grinding rings / Grinding rings for clay and concrete blocks

A complete range of tools for grinding bricks





Segment height	18 to 27
Segment thickness	10 to 25
Ring diameter	500 à 900
Ring type	Suitable for all types of machines

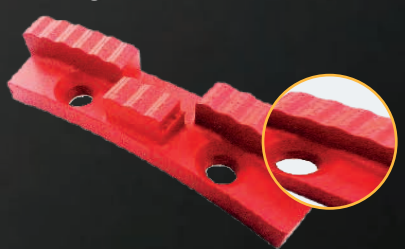
*Other diameters and thicknesses available on request

- Sharpened segments for fast start-up
- Dynamic balancing



GRINDING SECTOR

Grinding of concrete and CMU blocks



- Grinding of concrete blocks and cinder blocks
- High grinding efficiency
- Self-sharpening segments

PROFITABILITY

EFFICIENCY

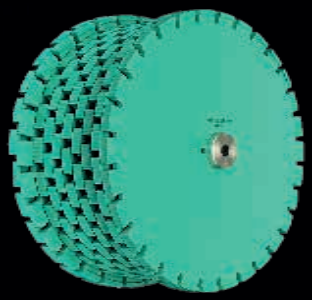
INNOVATION











- We design tailor-made solutions, including the most complex ones, for your construction site.
- We test and optimize our solutions under real working conditions before implementation.
- We combine precision and efficiency to ensure fast and controlled delivery times.
- We provide on-site support to enable quick and effective use of our products.
- We guarantee personalized after-sales service.

CARBO DIAM

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GRINDING

By

CARBO DIAM

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LDE-16-8 125R
Grinder for metal grinding wheels



- Overload protection, thermal circuit breaker.
- Dust extraction. Must be connected to an industrial vacuum cleaner.
- Anti-vibration, ergonomic bow-type handle.
- Tool-free casing tilt.
- Hidden button to prevent unexpected start-up of the machine.
- Tools: Boomy, Raptor, Scraptor.

FGR 500 + GRINDING CUP ø300 Surface preparation



- Ultra-compact and lightweight.
- For removing coatings and preparing surfaces.
- Magnetic support for easy disc replacement.
- Dust extraction via dual pipes.
- **Soft Start technology:** gradual start-up of the machine.

Supraflex SE14
Polisher for resin pads



- Ergonomic, compact and easy to use.
- Suction hood with suction segment.
- Anti-vibration, ergonomic bow-type handle.
- Ventilation duct for cooling the gearbox and motor.
- Tools: resin grinding wheels.

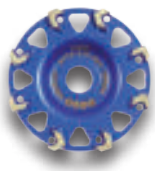
LBE 20-11 125 EC
Angle grinder with variable speed and brake



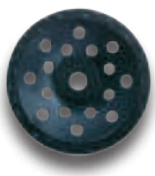
- Brushless motor with improved efficiency and increased longevity.
- Variable rotation speed, adjustable from 1 to 6 levels with LED power indicator.
- Kickback stop: cuts the motor if the disc becomes blocked.

Metal grinding wheels: removal of adhesives, resins, paints, epoxies, graffiti.

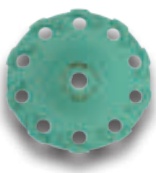
Raptor



Scraptor



Boomy verte



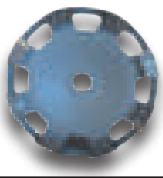
Boomy jaune



Grinding wheel Z



Grinding wheel M



	Raptor	Scraptor	Boomy vert	Boomy jaune	Meule Z	Meule M
ø 115	/	/	/	/	20120	/
ø 125	4251	13343	2474	2468	/	20135
ø 150	5764	/	2475	2469	19975	Hilti - 20136 Flex - 20137
ø 180	4252	13344	2476	2470	20121	20138

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HIKOKI GM 13 Y
Adjustable speed grinder



- Removable cover allows you to work close to edges.
- Speed adjustable using a dial.
- Spring-mounted brush ensures good suction.
- Adjustable handle.

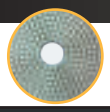
LD 24-6 ø180mm
Concrete angle grinder



- Wear-resistant rubberised metal suction housing: glides smoothly over the surface, protects against dust and stones.
- Suction device: protects against abrasive dust and prepares concrete for new coatings.
- Soft start without overload.
- Use of a vacuum cleaner is mandatory.

	LDE-16-8 125R	FGR 500	HIKOKI GM 13 Y	LD 24-6 180	**Supraflex** SE14	LBE 20-11 125 EC
ø grinding wheel	125mm	300mm	125mm	180mm	125mm	125mm
Tension	230V	230V	230V	230V	230V	230V
Rotation speed	4500-7800tr/min	2200tr/min	3800-8200tr/min	6500tr/min	600-2100tr/min	3000-11000tr/min
Power consumption	1600W	/	1250W	2400W	1400W	2000W
Net power	950W	/	1900W	1450W	880W	1500W
Fastening	M14	/	/	/	M14	M14
Item ID	19190	15114	19405	13654	12067	20500

Fine and highly effective polishing of concrete and terrazzo.



Concrete
Dry/wet polishing

Natural stones
Wet/dry polishing



			Grit 30	Grit 50	Grit 100	Grit 120	Grit 200	Grit 400	Grit 800	Grit 1500	Grit 3000
RESIN PAD	ø80	CONCRETE	/	11322	11321		11323	11324	11325	11326	/
RESIN PAD		STONE	/	/	/		/	/	/	/	
	ø100										
RESIN PAD		CONCRETE	/	11327		12131	11329	11330		11332	11711
RESIN PAD		STONE	10554	10355	10356		10357	10358	11098	11099	/
	ø125										
RESIN PAD		CONCRETE	/	11333	11334	/	11335	11336	11337	11338	/
RESIN PAD		STONE	11100	11101	11102	/	11103	11105	11104	/	
	ø150										
RESIN PAD		CONCRETE	/	11339	11340	/	11341	11342	11343	11344	19407
RESIN PAD		STONE	/	12471	12472	/	12473	12474	12475	14092	14093

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WATERFIRE TOP VS

Portable polisher with adjustable head



Sander - Polisher with adjustable head for sanding and polishing worktops, edges, stairs, steps and risers.



Pivoting and adjustable head

SPECIFICATIONS

- Stabilising wheels ensuring smoother operation
- Swivel head
- Adjustable speed Splash guard
- IP 54
- Wet or dry operation

OPTION - Hood with suction nozzle



Counter Top



Walk / Stairs



Edge polishing

TECHNICAL DATA						WATERFIRE TOP VS	
Model	**Power**	**Voltage**	**Speed**	**ø**	**LxHxW cm**	**Weight**	**ID**
TOP 125 VS	750W	220V	500-1600rpm	125mm (5")	45x33x23	10kg	14335
TOP 150VS	750W	220V	500-1600rpm	150mm (6")	45x33x23	10kg	14383

EASY KIT



KIT 125 VS
KIT 150 VS

- Waterfire
- Jaguar Flex gr 30/60/120/220/400/800/1500/3500
- Velcro tray Stainless steel transport case
- Stainless steel transport case



HYPER COUNTER TOP

Portable sander with planetary drive



Three-plate planetary mixer ensuring a perfectly flat working surface. Ideal for worktops and shelves.

SPECIFICATIONS

- Robust motor
- Planetary counter-rotating for improved stability
- Splash guard
- Water tank

OPTIONS - Brushes and handles



Hyper Counter Top



Work plan



Stairs

TECHNICAL DATA — UFO COUNTER TOP

Model	Power	Voltage	Speed	Working width	ø	Tank	LxHxW cm	Weight	ID
UFO 290 VS	750W	220V	330-770rpm	290mm (11,5")	3x100mm (4")	2L	37x39x30	26kg	14054
UFO 330 VS	750W	220V	330-770rpm	330mm (13")	3x140mm (5,5")	2L	37x39x34	27kg	14383

EASY KIT



Hyper Counter Top 290 VS

Hyper Counter Top 330 VS

- UFO with tank and Velcro tray
- Complete set of Jaguar Flex gr 30/60/120/220/400/800/1500/3500
- Stainless steel carrying case

SM-320 SHAVE-MASTER

The floor milling and cutting machine, designed for professionals, is equipped with continuously adjustable hydraulic traction for forward and reverse movement, for maximum performance even on difficult and hard concrete surfaces.



- Stripping of concrete, epoxy, mastic and plastic coatings.
- Treatment of concrete surfaces for polishing.
- Levelling of irregularities, level corrections.
- Milling of grooves in concrete of various widths.
- Grooving of concrete and stone surfaces.

Motor	Working width	Dimensions (LxHxW)	Weight	Item ID
15 kW	320mm	1400 x 600 x 1200 mm	330 - 339kg	20127

SM-400 SHAVE-MASTER

Extremely powerful milling and cleaning machine for work on large surfaces. A wide range of tools for versatile use.



- Stripping of concrete, epoxy, mastic and plastic coatings.
- Treatment of concrete surfaces for polishing.
- Levelling of irregularities, level corrections.
- Milling of grooves in concrete of various widths.
- Grooving of concrete and stone surfaces.

Motor	Working width	Dimensions (LxHxW)	Weight	Item ID
18 kW electric	400mm	1900 x 750 x 1070 mm	690 kg	/

With diamond blades, it is possible to remove, level or groove concrete layers quickly and economically.



ID

19892

www.carbodiam.com



COMMITMENT WITH PASSION

Total commitment, driven by passion for the profession and excellence.

The ideal sander for preparing your concrete surfaces

Create the ideal surface for your indoor treatments:

- **Polished concrete**
- **Micro-concrete**
- **Resins, Epoxy**

RTK 280



Ideal for sanding small areas and close to walls



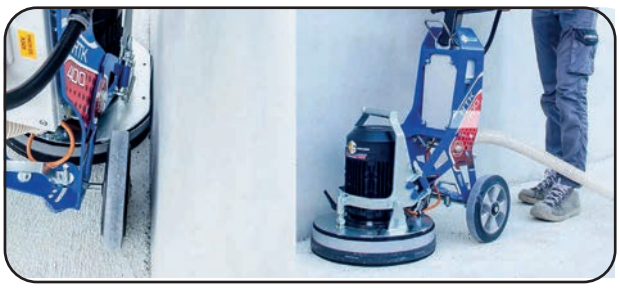
TECHNICAL DATA						RTK 280		
Model	**Motor**	**Voltage**	**Speed**	**Working width**	**Tool measurements**	**LxHxW cm**	**Weight**	**ID**
RTK 280	2,6 kW	230V	1400rpm	280mm	1x280mm	90x75x39	70Kg	19472
RTK 280 VS	3 kW	230V	840-1680rpm	280mm	1x280mm	90x75x39	76Kg	19471

RTK 400



Ideal for sanding medium and large surfaces

Plane to a thickness of up to 3 cm.



TECHNICAL DATA						RTK 400		
Model	**Motor**	**Voltage**	**Speed**	**Working width**	**Tool measurements**	**LxHxW cm**	**Weight**	**ID**
RTK 400	5,5 HP	380/480V	1400rpm	400mm	1x400mm	43x90x74	86Kg	19634
RTK 400VS	5,5 HP	380/480V	840-1680rpm	400mm	1x400mm	43x90x74	86Kg	19112

EXPANDER 750 RX

BELT-FREE



Sander with variable speed and adjustable working pressure







FEATURES

- 15 kW motor
- Working width of 750 mm
- Variable speed from 300 to 1300 rpm
- Hardened steel gears
- Removable front wheel for working on uneven surfaces or easy transport
- Built-in battery for movement
- Radio control for all Expander functions

RX (Remote Control) and AT (Autopilot) versions available

TECHNICAL DATA

HGE 750 RX

Model	Power	Voltage	Intensity	Speed	Working width	ø	Tank	LxHxW cm	Weight	ID
Expander 750	15kW	380V	25A	300-1300rpm	750mm	3x240mm	46L	145x145x80	595kg	15059

EXPANDER 850 RX

BELT-FREE

Radio controlled



Sander with variable speed and adjustable working pressure







FEATURES

- 18.5 kW motor
- Working width of 850 mm
- Variable speed from 300 to 1300 rpm
- Hardened steel gears
- Removable front wheel for working on uneven surfaces or for easy transport
- Built-in battery for movement
- Radio control for all Expander functions
- Automatic planetary lift for easy transport.

RX (Remote Control) and AT (Autopilot) versions available

TECHNICAL DATA

EXPANDER 850RX

Model	Power	Voltage	Intensity	Speed	Working width	ø	Tank	LxHxW cm	Weight	ID
Expander 850	18,5kW	380V	32A	300-1300rpm	850mm	3x240mm	46L	150x150x95	650Kg	13983

HYPERLEVI

BELT-FREE 220V sander and polisher

For residential properties, flats, small and medium-sized properties



The Levighetor is the most famous of the Klindex floor grinders. Equipped with a powerful motor and a revolutionary planetary gearbox, **it is the only single-phase 220V floor grinder capable of working with additional weights, ensuring a total weight of 175kg.** Thanks to its multi-directional wheels, it guarantees the highest finish even in the narrowest spaces. Ideal for sanding and polishing all types of floors: marble, granite, concrete, terrazzo, etc. Also designed for surface preparation such as the removal of resins, epoxy, paint, asbestos, etc.

- Powerful 3kW motor resistant to the most severe working conditions
- Tank
- Velcro tray
- Washing brush
- Anti-splash hood
- Multidirectional wheels
- Transport wheels
- Variable speed: 600 - 1300rpm

Item ID : 14453

OPTIONS - Hood with suction nozzle
- Additional weights of 18k (maximum 3)



Particularly suitable for small and medium-sized areas

HYPERLEVI MAX

BELT-FREE

380V sander and polisher



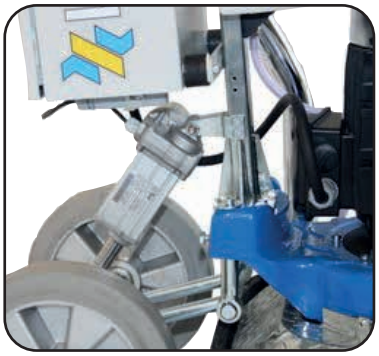
Sander that allows you to adjust the speed and pressure of your tools to ensure ideal sanding and polishing of different materials.

FEATURES

- 380V
- Tank
- Planetary gearbox with heat-treated steel gears
- Working pressure regulation
- Quick change of skids without tools



Levighetor Max VS



Pressure adjustment



Dust extractor coupling

TECHNICAL DATA — LEVIGHETOR MAX VS

Model	Power	Voltage	Intensity	Speed	Working width	ø	Tank	LxHxW cm	Weight
Lev MAX VS	7HP-7,5kW	380V	16A	300-1300rpm	530mm	3x240mm	18L	95x130x56	160kg

TITAN 500



Sander and polisher 220V

Single-phase sander and polisher equipped with a single-direction planetary gear.

FEATURES

- Robust and compact machine
- Quick and easy removal of the planetary gearbox for easy use of 20" blades, brushes and tools
- Mechanical transmission with hardened steel gears for maximum reliability and durability
- 46L tank

ID : 19368





Titan 500



Very easy to handle



Easy removal of tools

TECHNICAL DATA — TITAN 500

Model	Motor	Volt	Motor Speed	Tools Speed	ø	Tank	LxHxW cm	Weight
Titan 500	2900W	220	155rpm	1000rpm	500mm	46L	120x100x50	180Kg
Titan 500 VS	2900W	220	120-250rpm	600-1300rpm	500mm	46L	120x100x50	180Kg

TITAN 530

Sander and polisher

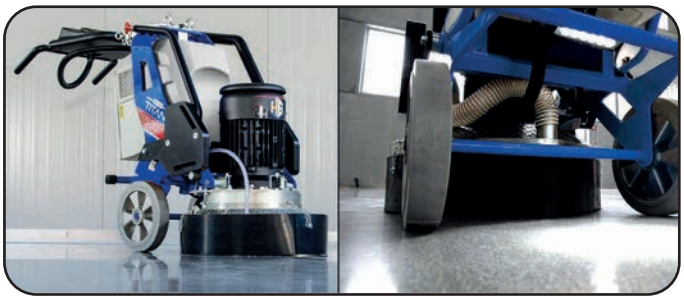
380 - 480 V



Single-phase sander and polisher equipped with a single-direction planetary gear.

FEATURES

- Robust and compact machine
- Quick and easy removal of the planetary gearbox for easy use of 20" blades, brushes and tools
- Mechanical transmission with hardened steel gears for maximum reliability and durability
- 46L tank









TECHNICAL DATA

Model	Motor	Volt	Speed tools	ø	Tank	LxHxW cm	Weight
					TITAN 530		
Titan 530 VS	7,5kW	380/480	1300rpm	530mm	46L	120x100x55	242Kg

HYPER EDGE VS

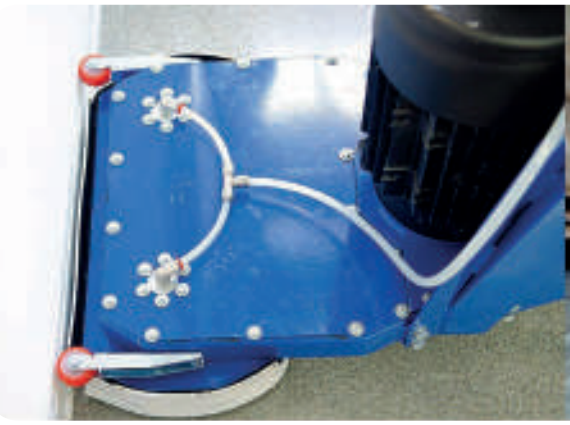


Double-head sander and polisher, ideal for sanding and polishing edges.

FEATURES

- 360° adjustable handle
- Built-in suction system for dust-free working
- Fixed speed and variable speed versions

ID : 20048





TECHNICAL DATA

Model	Motor	Voltage	Hertz	Speed Tools rpm	Tool size	EXTREMA Tank	LxHxW mm	Weight
VS	4 HP	220V	50Hz	de 570 à 1150	2x200mm	8L	920x780x430	85Kg



CONNECTIVITY WITH SIMPLICITY

Smooth, high-quality communication.
A constant presence at your side.

UNIKA

Professional single brush machine ideal for deep cleaning and restoration of marble and natural stone.



ID : 6375

- Soft brush
- Velcro plate
- 18-litre tank
- Plate width 430 mm/17"

TECHNICAL DATA						UNIKA	
Model	**Power**	**Voltage**	**Speed**	**Working width**	**Tank**	**LxHxW mm**	**Weight**
Unika	1450W	220V	150rpm	430 mm (17")	18L	55x118x43	41Kg

MAXI ORBIT

Rotary and orbital single brush that speeds up and facilitates work on all cleaning surfaces.



ID : 14072

- Dual orbital and rotary motion providing excellent stability while ensuring intensive cleaning of all types of surfaces
- Soft brush
- Velcro plate
- 18-litre tank.

TECHNICAL DATA						MAXI ORBIT	
Model	**Power**	**Voltage**	**Speed**	**Working width**	**Tank**	**LxHxW mm**	**Weight**
Maxi Orbit	1500W	220V	1400 rpm	430 mm	18L	70x43x128	54kg

FUTURA

Variable speed single brush machine ideal for cleaning, polishing, sanding, crystallising and sealing



ID Futura CPL : 12203

ID Futura BASIC : 6372

- Variable speed from 50 to 450 rpm
- Quiet operation
- Brushless motor resistant to the most severe working conditions
- Tank, Velcro plate, brush and reservoir included

TECHNICAL DATA						FUTURA	
Model	**Power**	**Voltage**	**Speed**	**Working width**	**Tank**	**LxHxW mm**	**Weight**
Futura	2200W	220V	50-450 rpm	430mm (17")	18L	60x120x43	56Kg

TORNADO

Single-phase electric burnisher, unique and ideal for burnishing



ID CPL VS : 11804

ID CPL DUST CONTROL : 15129

- High speed 1500 rpm Robust and powerful
- 4HP motor
- Working width of 500mm
- Integrated dust extractor
- Particularly recommended for the polymerisation of Pentra-Guard protective products

TECHNICAL DATA — TORNADO

Model	Power	Voltage	Speed	Working width	LxHxW mm	Weight
TORNADO	2900W	220V	1500rpm	500 mm (20")	85x125x53	67Kg

KRISTAL REVOLUTION

Sander for maintaining granite, tiles, ceramic stoneware, quartz stone and marble floors.



ID : 19367

- Speed 500 rpm
- Robust and powerful 4HP motor
- Working width 610mm

TECHNICAL DATA — KRISTAL REV

Model	Motor	Voltage	Speed	Working width	Tank	LxHxW mm	Weight
KRISTAL REV	4 HP	220V	500 rpm	610 mm	18L	85x65x140	90kg

MAXI QUADRA

Powerful single brush for buffing and polishing close to walls and in corners.



- Dry and wet
- Polishes like a traditional single brush machine with the advantage of reaching into corners.
- Low noise level

TECHNICAL DATA — MAXI QUADRA

Model	Motor	Voltage	Working width	Tank	LxHxW mm	Weight
MAXI QUADRA	2,5 HP	110/220V	360x510 mm	12/18L	51x117x84	42kg

220 ICLEAN

+ suction kit
+ 3M hose

DUST EXTRACTION



Excellent suction performance and excellent filtering capabilities. This vacuum cleaner is a powerhouse of reliability.

- 2 single-phase bypass motors
- Industrial vacuum cleaner for collecting very fine dust
- Self-cleaning vacuum cleaner without interruption of suction
- Stainless steel
- Very compact design for easy transport
- Filter protection to improve cyclonic effect
- 20L tank with quick-release opening for rapid disposal



TECHNICAL DATA					220 ICLEAN			
Model	**Power**	**Voltage**	**ampere**	**Flow rate**	**⌀ nozzle**	**Dimensions**	**Liters**	**Weight**	**ID**
2 moteurs	2200 kW	230V	9,6 A	340m³/h	60mm	54x58x85cm	20L	36Kg	19397

Accessories not included.

S2M/S3M ICLEAN



The S3M 350 ICLEAN is a 3-motor direct-drive vacuum cleaner reinforced with a trolley.

- 2 or 3 single-phase bypass motors
- Versatile vacuum cleaner for dust, solids and liquids
- Manual cleaning of the integrated filter
- Modular trolley for interchangeable collection systems
- Dust collection in Longopac

TECHNICAL DATA					S3M ICLEAN				
Model	**Power**	**Voltage**	**Ampere**	**Flow rate**	**⌀ nozzle**	**Dimensions**	**Liters**	**Weight**	**ID**
2 moteurs	2400 kW	230V	9,6 A	340m³/h	60mm	70x54x12cm	20L	36Kg	19138
3 moteurs	3600 kW	230V	14.4 A	510m³/h	60mm	80x66x142cm	75L	74Kg	19137

JUNIOR COMPACT

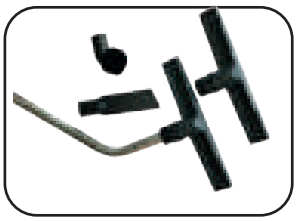
LIQUID SUCTION



Equipped with the most advanced technologies, the Junior Compact is ideal for vacuuming dust and liquids.

- Powerful motor
- Large capacity tank
- Acid-resistant plastic tank
- Sturdy, swivelling wheels

OPTION: Decanter






TECHNICAL DATA — JUNIOR COMPACT

Model	Number of engines	Maximum power	Voltage	Maximum pressure H^2O	Maximum air intake m^3/h	Tank	LxHxW mm	ID
Compact 423 B	2	2400W	220V	2380mm	430	114L	57x108x60	11437
Compact 433 B	3	3600W	220V	2380mm	640	114L	57x108x60	13354

The brand new **AIRBO** pre-separator puts an end to full dust bags and loss of suction power. This latest generation of pre-separators captures over 95% of coarse and fine dust: only the finest dust still reaches the dust bag.

HE 120L pre-separator



- Extended operation with maximum suction power.
- Available with small or large capacity tanks.
- Ultra-robust tanks.

ID : 19924

60L steel pre-separator

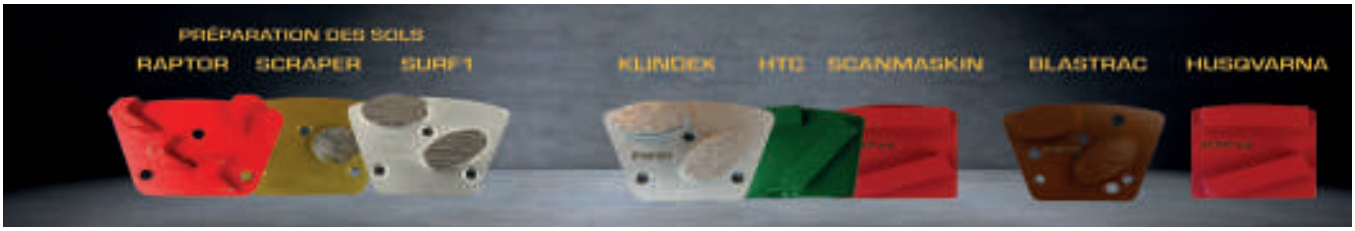


- Extended operation with maximum suction power.
- Available with small or large capacity tanks.
- Ultra-robust tanks.

ID : 19925

Universal pads that fits all brands of machines

KLINDEX | HTC | SCANMASKIN | HUSQVARNA | LAVINA | BLASTRAC



PREPARATION

SCRAPER



Removal of thick, hard coatings: Epoxy, hard resins, micro-concrete.

SCRAPER	9-piece pads set

RAPTOR



Removal of thin, elastic layers: Paint, resin, cement, glue, etc.

RAPTOR	9-piece pads set

UDM 1



Intensive sanding of all surfaces: concrete, tiles, micro-concrete, terrazzo, etc.

SURF 18	Very hard bond	Very soft and very abrasive concretes
SURF 16	Hard bond	Standard concrete and screeds
SURF 14	Soft bond	Very hard concrete and terrazzo/granito

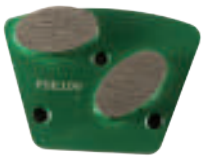
SANDING



UDM 2



UDM 3



UDM 4



SURF 18	Very hard bond	Very soft and very abrasive concretes	1 set = 9 pieces
SURF 16	Hard bond	Standard concrete and screeds	1 set = 9 pieces
SURF 14	Soft bond	Very hard concrete and terrazzo/granito	1 set = 9 pieces
SURF 28	Very hard bond	Very soft and very abrasive concretes	1 set = 9 pieces
SURF 26	Hard bond	Standard concrete and screeds	1 set = 9 pieces
SURF 24	Soft bond	Very hard concrete and terrazzo/granito	1 set = 9 pieces
SURF 36	Hard bond	Standard concrete and screeds	1 set = 9 pieces
SURF 34	Soft bond	Very hard concrete and terrazzo/granito	1 set = 9 pieces
SURF 46	Hard bond	Standard concrete and screeds	1 set = 9 pieces
SURF 44	Soft bond	Very hard concrete and terrazzo/granito	1 set = 9 pieces

SANDING

UDR - Standard resin



For standard concrete and terrazzo, microterrazzo with cement-resin mixture + aggregate

/	CK3	CK4	CK5	CK6	CK7	CK8	CK9	ø3" (75mm)	ø4" (100mm)
gr 30	60	120	220	400	800	1500	3500	1set = 9pieces	1set = 3pieces

UDR - Hard resin



For soft and abrasive concrete, industrial floors

P2	P3	P4	P5	P6	P7	P8	/	ø3" (75mm)	ø4" (100mm)
gr 30	60	120	220	400	800	1500	3500	1set = 9pieces	1set = 3pieces

UDC Ceramic pads



For micro-concrete

CERAMIC	ø3" (75mm)	ø4" (100mm)
gr 50 | 100 | 200 |	1set = 9pieces	1set = 3pieces



3-STEP SYSTEM

The new 3-phase polishing system for all marble, terrazzo and concrete surfaces.
40% time saving compared to traditional methods.

BENEFITS

- Wet and dry
- Quick
- Easy to use
- Reduces labour costs per square metre

Étape 1 Flash Diamond 1 removes minor imperfections and scratches even from the hardest surfaces. Its special composition makes it easy to remove excess material and prepare the surface for subsequent steps.

Étape 2 Flash Diamond 2 evens out the surface and prepares it for the final stage.

Étape 3 Flash Diamond 3 gives the surface a glossy finish.

FLASH DIAMOND 3" / ø75mm	
Flash Diamond 1	Step1
Flash Diamond 2	Step2
Flash Diamond 3	Step3

ELICA



ELICA		17''	ø 140
Elica 000	grit 60	●	●
Elica 00	grit 120	●	●
Elica 0	grit 220	●	●
Elica 1	grit 400	●	●
Elica 2	grit 800	●	●
Elica 3	grit 1500	●	●
Elica 4	grit 3000	●	●

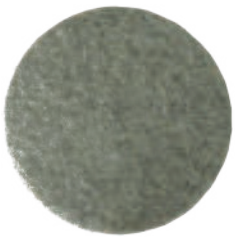
SUPERSHINE +



	SUPERSHINE PLUS	
KIT SUPERSHINE	17''	ø150
Kit complet *	●	●
Supershine +1	●	●
Supershine +2	●	●
Supershine +3	●	●
Spongelux	●	●

* Supershine +1, +2, +3, Spongelux

SUPERSHINE SOFT



SUPERSHINE SOFT	17''	20''
SUPERSHINE S.1	●	●
SUPERSHINE S.2	●	●
SUPERSHINE S.3	●	●
SUPERSHINE S.4	●	/

MOUTH-PORAGE BLADE



MOUTHE-PORAGE	17''	Set 8 pieces
Connexion pour Levighetor	●	
Set de 8 caoutchoucs		●

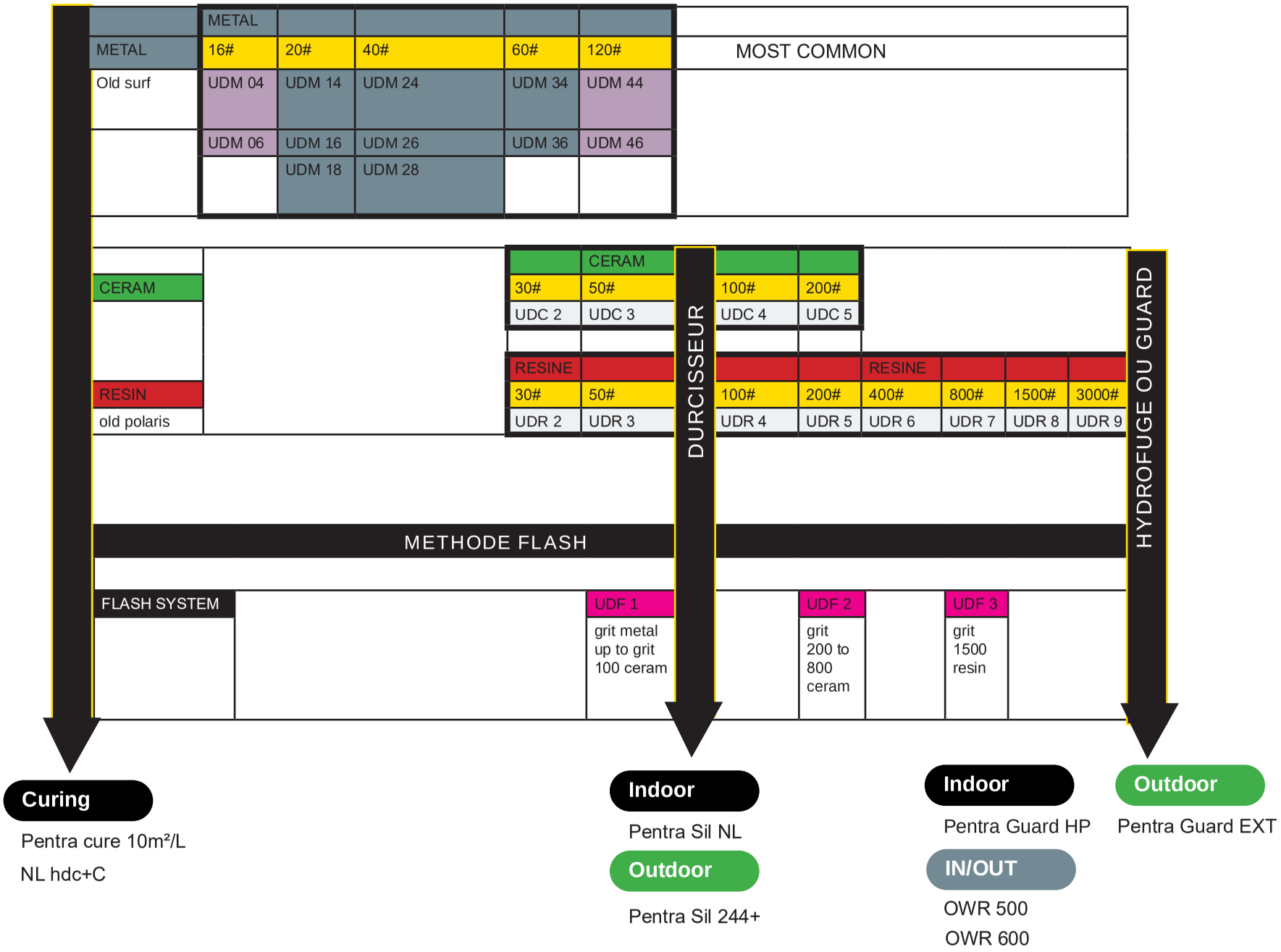
PADS FOR BURNISHERS

King CONC diamond pads contain thousands of micros-copic diamonds. These pads are designed to revitalise the shine and depth of chemically treated or untreated concrete surfaces, whether new or old.

KING CONC



KING CONG	17''	20''
KING CONC 1	●	●
KING CONC 2	●	●
KING CONC 3	●	●
KING CONC 4	●	●


METAL
METAL
16#
20#
40#
60#
120#
MOST COMMON
Old surf
UDM 04
UDM 14
UDM 24
UDM 34
UDM 44
UDM 06
UDM 16
UDM 26
UDM 36
UDM 46
UDM 18
UDM 28
CERAM
CERAM
30#
50#
100#
200#
UDC 2
UDC 3
UDC 4
UDC 5
RESIN
RESIN
30#
50#
100#
200#
400#
800#
1500#
3000#
old polaris
UDR 2
UDR 3
UDR 4
UDR 5
UDR 6
UDR 7
UDR 8
UDR 9
DURCISSEUR
HYDROFUGE OU GUARD
METHODE FLASH
FLASH SYSTEM
UDF 1
grit metal up to grit 100 ceram
UDF 2
grit 200 to 800 ceram
UDF 3
grit 1500 resin
Curing
Pentra cure 10m²/L
NL hdc+C
Indoor
Pentra Sil NL
Outdoor
Pentra Sil 244+
Indoor
Pentra Guard HP
IN/OUT
OWR 500
OWR 600
Outdoor
Pentra Guard EXT

Ground preparation

SCRAPER

RAPTOR

UDM 0 ET UDM 1



Metal Bond	Soft	Medium	Hard
Concrete hardness	Hard	Medium	Soft
#16	UDM 04	UDM 06	
#25	UDM 14	UDM 16	UDM 18
#30	UDM 24	UDM 26	UDM 28
#60	UDM 34	UDM 36	UDM 38
#120	UDM 44	UDM 46	UDM 48

	HYPER GRINDER/KLINDEX M6 + 3 TR	HYPER GRINDER / KLINDEX QUICK LOCK	Husqvarna	Blastrac	HTC	SCANMASKIN
UDM 04		19834				
UDM 14	14533	19531	14525	19425	14529	14537
UDM 24	14534	20071	14526	19426	14530	14538
UDM 34	14535	20072	14527	19427	14531	14539
UDM 44	14536	20073	14528	19427	14532	14540
UDM 06		19818				
UDM 16	14517	19513	14509	19432	14513	14521
UDM 26	14518	19514	14510	19433	14514	14522
UDM 36	14519	20430	14511	19434	14515	14523
UDM 46	14520				14516	14524
UDM 18	15185	15189	15189		15193	
UDM 28	15186	15190	15190		15194	
UDM 38	15187	15191	15191		15195	
UDM 44	15188	15192	15192		15196	

OUR EXPERTISE

Ultradia does not deal with concrete composition or the mechanical properties and structural aspects that are essential to building safety. These areas of expertise are handled by specialised design offices or concrete plants.

Our expertise focuses on improving the surface properties of concrete:

- durability (carbonation, ASR)
- hardness
- compactness
- better resistance to wear and abrasion better resistance to chemical attack
- aesthetics, colour, glossprotection against liquids

PROBLEM / SOLUTIONS

We address the most common concerns in the concrete slab industry:

- How can cracks be avoided?
- How can the main concrete diseases such as ASR, carbonation and efflorescence be prevented/controlled?
- How can the requirements for protection and aesthetics be met for concrete floors?

CRACKS

Concrete undergoes natural shrinkage during its drying period. This shrinkage can cause cracking. Applying our curing products (Pentra Cure and Pentra Sil NL HD+C) prevents excessive drying and therefore uncontrolled shrinkage of the concrete.

Avoid using solvent-based cleaning products.

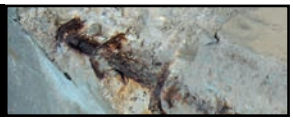
- harmful during application
- mask surface defects
- leave unsightly marks after a few months
- very difficult to remove

ASR



It is a reaction between the silica contained in sand, the hydroxide contained in cement, and water. This reaction forms a gel that swells in the presence of water, causing cracks and flaking on the surface of the concrete.

CARBONATION



Another natural reaction of concrete that causes unsightly stains on the surface of the concrete but can also corrode the reinforcements.

To prevent damage caused by these two reactions, treating the surface with silicates is the best solution. There are sodium (Na), potassium (K), magnesium (Mg) and lithium silicates. All react with calcium hydroxide to form a new crystalline structure, thereby increasing the density and sealing of the sensitive area of the concrete, i.e. approximately 1 cm from the surface.

Why is lithium better than sodium (Na), potassium (K) or magnesium (Mg)?

- The excess applied should not be removed immediately as lithium does not form a surface 'glass'.
- Lithium silicate consumption is the lowest: 12 to 15 m^2/liter compared to, for example, 5 m^2/liter for Na.
- Lithium silicate, with the lowest pH, gives concrete greater stability: it is denser, harder, more watertight and more resistant to chemical attack.
- The lithium silicate molecule is the smallest. This results in better penetration and more consistent reactivity, which is much less violent than Na, for example.

OUR SOLUTIONS

PENTRA-SIL (NL)	Protection against traffic-related damage: wear, scratches, dust accumulation. Significantly reduces damage caused by ASR reactions and carbonation.
PENTRA-SIL (244+)	Idem Pentra-Sil NL + significantly increases resistance to road salts, protects against potential discolouration and enhances the natural colour of concrete.
PENTRA-GUARD HP	Very thin, transparent coating to provide surfaces with greater resistance to external damage. Very easy to maintain.
PENTRA-GUARD (EXT)	Same as Pentra-Guard HP. For exterior surfaces. UV resistant.

IMPLEMENTATION

NEW FLOOR or **OLD FLOOR**

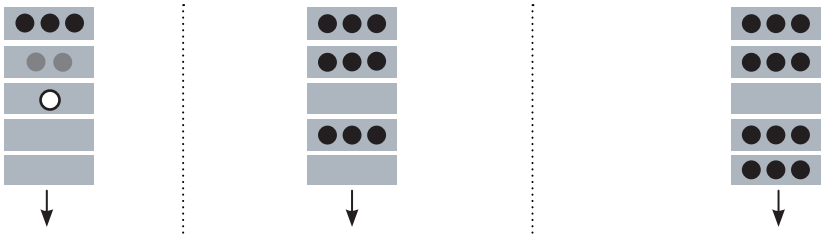
Cure Protection Pentra Cure 10m²/L ou Pentra SIL NLHD+C.
Avoid any solvent-based curing

Sawing Sawing the dilatation joints

Depending on the initial condition of the soil, successive passes:
- PCD - Raptor
- UDM 1- 2 - 3 - 4

TREATMENT

Stain resistance
High stain resistance
Satin finish
High-gloss finish
Colouring

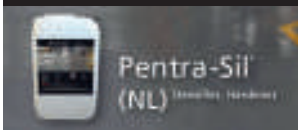


Step 1	Intensive cleaning/sanding of floor gr 50. UDR3 wet sanding		
Step 2	Pentra SIL NL/244+ spray and spread evenly with a mop. Coverage: 12 to 15m²/L		
Step 3	Minimum drying time 12 hours		
Step 4	Depending on the desired level of shine and stain resistance:		
	Polishing UDR gr 100-200-400 → Vacuum and allow King CONC No. 1 to dry with Tornado.	Polishing UDR gr 50-100 → Vacuum and allow King CONC No. 1 to dry with Tornado.	Polishing UDR gr 50-100 → Vacuum and allow King CONC No. 1 to dry with Tornado.
Step 5	**Lisotop OWR water and oil repellent** Spraying Consumption of 15 to 50m²/L		**PENTRA COLOR STAIN HG** Shake vigorously with a high-speed mixer. Spray and spread evenly with a mop over small areas. Coverage: 12 to 15 m²/L. Allow to dry. Polish the surface with a white pad at low speed to even out the colour. Repeat 2 to 4 times depending on the desired shade intensity.
Step 6		**PENTRA GUARD (EXT)** Apply in 3–4 coats. High-speed polishing at min. 1500 rpm with KING CONCC diamond pad no. 4. Coverage approx. 15–40 m²/L depending on the surface.	**PENTRA GUARD (EXT)** Apply in 3/4 coats. High-speed rotation min. 1500 rpm with the KING CONC diamond pad no. 4. Approximate coverage 15 to 40 m²/L depending on the surface.

TREATEMENT

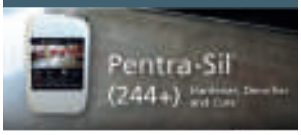
CONCRETE FLOOR HARDENERS

PENTRA-SIL® (NL)



Pentra-Sil NL is a high-quality lithium silicate-based hardener for concrete surfaces. This highly concentrated formula provides optimal hardening to improve abrasion resistance and reduce dust formation.

PENTRA-SIL® 244+



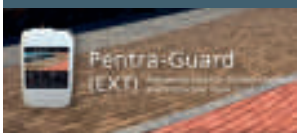
Pentra-Sil 244+ combines the advantages of a high-quality hardener (Pentra-Sil NL) and the chemical reaction of a silicone to protect concrete from road salts and freeze-thaw cycles.

PENTRA-GUARD HP



Pentra-Guard HP is a surface treatment that forms a thin film based on Nano Lithium. This treatment has a hardening and sealing effect on concrete floors. Pentra-Guard HP thus makes the surface very solid, dust-proof, resistant to chemical attack and waterproof.

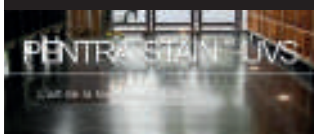
PENTRA-GUARD EXT



Pentra-Guard EXT forms a thin film of Nano-Lithium that hardens, seals and protects the surface against damage caused by moisture and brings out the natural colour of exposed aggregates, such as paving stones, bricks, stone and/or decorative outdoor concrete, namely stamped, coloured and acid-stained concrete. It is weather resistant.

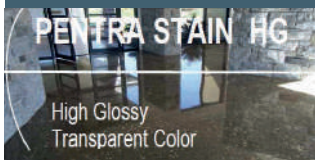
COLOURING

PENTRA-STAIN UVS



PENTRA-STAIN UVS® is a lithium-based stain. Pentra-Stain UVS colours, seals and hardens concrete. It also limits dust production and protects against stains. When using Pentra-Stain UVS, Pentra-Guard must be applied to protect the pigmentation.

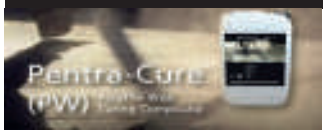
PENTRA-STAIN HG



PENTRA-STAIN HG is a stained wood finish that combines the advantages of Pentra-Stain UVS with a hardener/densifier that penetrates the surface, providing superior resistance to abrasion and dust. Pentra-Guard HP is used for maintenance and cleaning.

CURING PRODUCTS

PENTRA-CURE



PENTRA CURE® is a paraffin-based emulsion. This product is used on fresh concrete to promote water retention and thus prevent significant cracking. Pentra-Cure is non-toxic and contains no solvents (low VOC (<3%)). Pentra-Cure is therefore environmentally friendly.

PENTRA-SIL (NL/HD+C)



Pentra-Si (NL/HD+C) combines the advantages of Pentra-Cure with a high-quality lithium silicate hardener.

HYDRO-OLÉOFUGE - OWR

OWR



OWR is a colourless water and oil repellent. It is designed for indoor and outdoor concrete surfaces and other natural substrates.

YOUR POWER, OUR TECHNOLOGY

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