

1. Diamond Sawblades Chapter 1

Dry Cutting Blades
Wet Cutting Blades
Diamond Wire

2. Grinding Cup Wheels Chapter 2

Grinding Heads
Polishing Pads

3. Floor Grinding Tools Chapter 3

Tools for Grinding
Tools for Polishing
Tools for Removal of Coatings

4. Core Drills Chapter 4

Diamond Core Bits
Core Drills for Tiles
Diamond Segments
Retipping Equipment

5. Machines and Equipment Chapter 5

Electrical Floor Saws
Drilling Rigs
Floor Grinding Machines
OxySan Air Cleaner

To be launched
for export during
spring 2015



Diamond Tools and Machines for the Construction Industry



The head office is located in Båstad, famous for it's tennis tournaments, beaches and beautiful natural surroundings

Jack Midhage AB

Jack Midhage AB is one of the leading suppliers of diamond tools, TCT sawblades and machines for the construction industry in Sweden. A big part of our program is produced at our production company in Gothenburg.

Quality

Quality development is essential in all parts of our activities and a reason for our success. Both our companies are operated in accordance with EN ISO-9001 (2008) .



The production in Gothenburg

Jack Midhage AB
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Environment

Jack Midhage AB operates by the standards stipulated in ISO-14001 and consideration to the environment is a foundation for our business. We are associated to the industry's for this purpose different organizations,

Work environment

Work environment and security is of greatest importance when we develop our range of products. Our tools and machines meet the demands to CE and our diamond blades are tested and approved according to the OSA (Organization for the Safety of Abrasives).

History

The company has its roots back in the early fifties. That is when Jack Midhage started the business with producing TC-tipped sawblades. Diamond tools were introduced in the program 1986 and have since then increased to be the main business for the company. In 1991 Peter Logan and Morgan Midhage became part owners and in 1998 a production unit for the manufacturing of diamond tools was established in Gothenburg. The production is managed by Peter Pettersson who also, together with Peter Logan and Morgan Midhage, today own 100% of the company group. The founder, Jack Midhage, was during his late years engaged in the development of equipments for retipping diamond core bits. The sales of these are today conducted through a separate company, Midhage Diatip AB.

Head Office Båstad



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Cold press



Sinter press



Sawblade brazing

Choose the right diamond blade

Diamond Blade Selection Guide



General purpose blade or Special blade?

When sawing in typical building material like concrete and masonry a general purpose diamond blade is to prefer. A good quality general purpose blade normally works fine also in hard materials like granite. In abrasive materials like asphalt it will cut fast but with a shorter lifetime.

With extensive or frequently repeated works it pays to choose a diamond blade specially suited for the job. When sawing in ceramic materials, for example, it has to be a continuous rim blade to avoid the material being chipped.

Quality and Price level?

In our range we have blades in many different quality and price levels. For small jobs and for Do-It-Yourself a cheap blade can be enough but for a professional use a high

quality diamond blade is to prefer while it offers a higher cutting speed and longer life. On top of that you gain a wider range of applications.

Quality level			Life time and Cutting speed
1.	Profi Super	★★★★★	
2.	Profi Plus	★★★★☆	
3.	Profi	★★★★☆	
4.	Semiprofi	★★★☆☆	
5.	Do-It-Yourself	★★☆☆☆	

Dry or Wet cutting?

Dry cutting blades are mainly suited for angle grinders and power cutters but can also of advantage be used in machines with water flow. The advantages are no dust, longer life and faster cutting.

Wet cutting blades are made with soldered diamond segments which must not be overheated. These blades can only be used in machines equipped with water flow for cooling, mostly for blades in large diameters.

Dry Cutting Blades

Diamond blades for angle grinders, power cutters, bench saws etc.

Universal/ Concrete and other stone material

★★★★★



PrimeTech™

Ø 230 - 406 mm

★★★★★

New



Cross Cut

Ø 115 - 180 mm

★★★★★



Unicut-T

Ø 115 - 400 mm
(Ø 300 - 400 mm: UNICUT-T1)

★★★★★



Z-Cut XTRA

Ø 115 - 230 mm
(Not reinforced concrete)

★★★★★



Laser Silent

Ø 300 - 400 mm

Natural Stone, Granite

★★★★★



Presto

Ø 125 - 350 mm
Fine cutting

★★★★★



STUL

Ø 125 - 400 mm
Very hard stone

★★★★★



TUL

Ø 115 - 350 mm

★★★★★



Cosmo XTRA

Ø 115 - 230 mm

Precision Cutting - Ceramics, Marble

Electroplated Blade

★★★★★



DOB

Ø 115 - 350 mm

★★★★★



DOB-Q

Ø 115 - 350 mm
Very hard tiles

★★★★★



Fine Cut XTRA

Ø 115 - 230 mm

Profi Plus



EPL-O

Ø 65 - 30 mm
Soft stone, glass fibre, fibre boards etc.

Steel, Demolition

Rakers

New



DIAMOND X

Ø 125 - 500 mm
Steel, demolition

★★★★★



PCBR

Ø 125 och 180 mm
Diamond coated sides

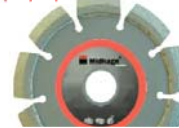
★★★★★



NOT

Ø 125 och 180 mm
Mortar raking

★★★★★



VFR

Ø 100 - 180 mm
V-shaped top.

Abrasive Materials, Asphalt etc.

New



WASF Wedge

Ø 300 - 600 mm

New



ASFE Wedge

Ø 230 - 400 mm

★★★★★



Asphalt Groover

Ø 300 - 450 mm
6 mm wide track



Wet Cutting Blades

Diamond blades for wall saws, floor saws, large stone saws etc. etc.

Concrete and Masonry

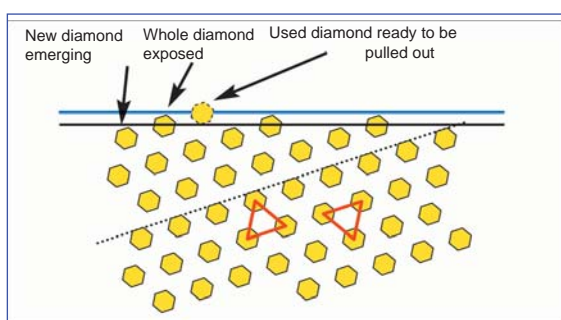


ZENESIS® edition Q

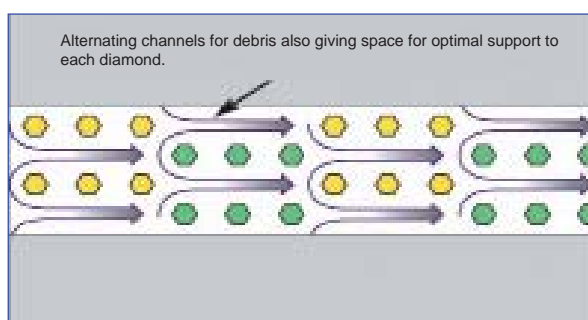
New, unique patterning technology

Produced with the new, patented technology which gives extremely high cutting speed together with extremely long life. Available in two different types.

3D Positioning



Inclined triangular structure on the diamonds (3-dimensional positioning). Maximum number of diamonds is exposed.

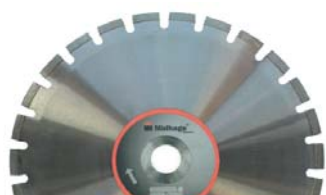


Alternating layers of diamonds. The debris leaves more easily and the support for each diamonds is much improved.



XCello Laser welded for concrete and masonry

A diamond blade developed to offer the very highest cutting speed on the market together with a very long life. As the blades are welded with laser they are also good for dry cutting.



WCM Sawblades for concrete, masonry etc.

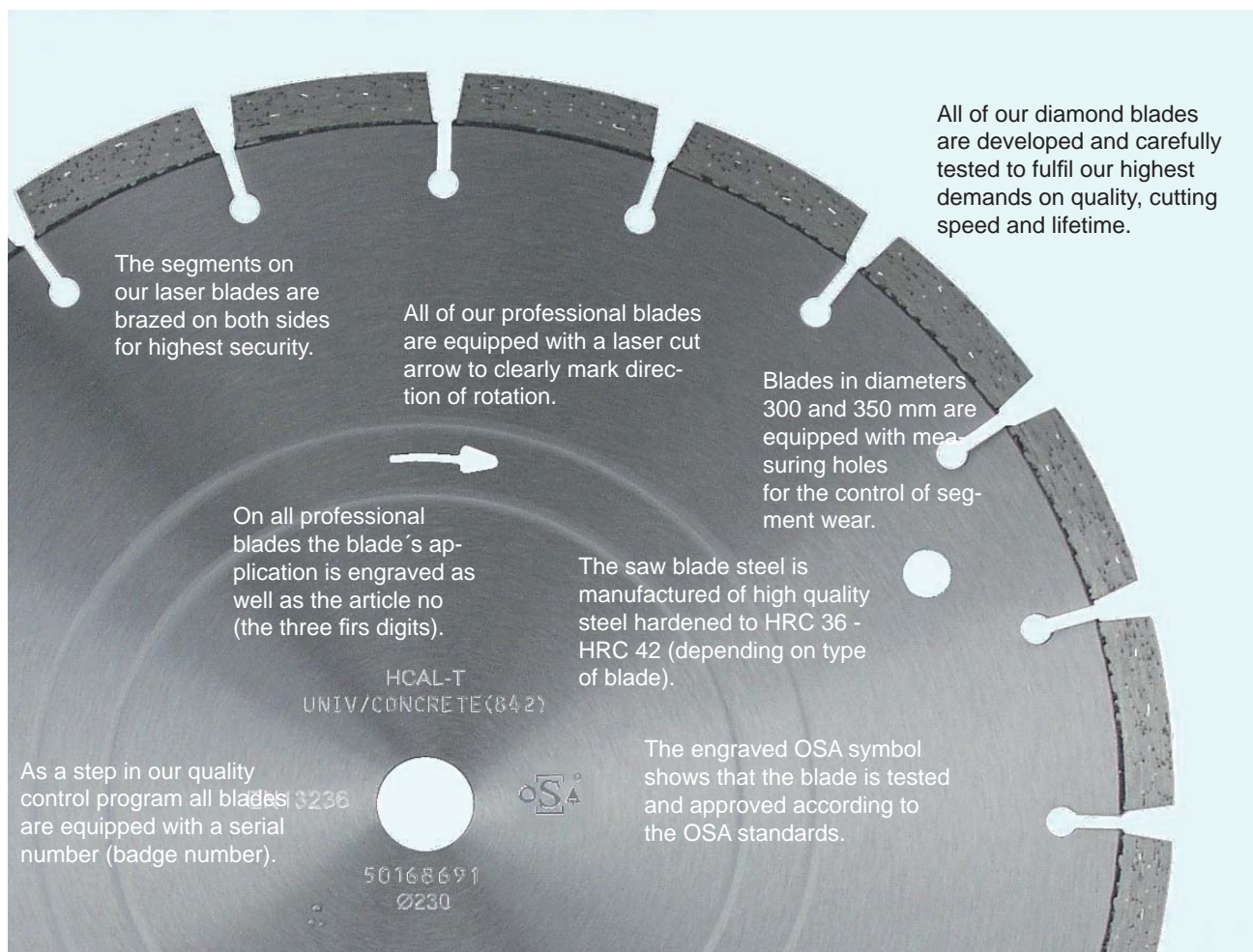
Available in a number of different types for different materials and machines. Also with a silent steel body. In general very high cutting speed and very long life. This quality level has also **Ringsaw blades**.

Natural Stone, Granite - Narrow slots

Diamond blades with narrow slots, type WGM. When a finer cutting surface is required. The blades are available in a number of different types. Contact us for further information.

In our own production we also produce different kinds of special blades - For example Grooving blades.

How do I recognize a Midhage blade?



The individual packages are clearly marked with information about what application the blade is suited for, as well as quality level, segment height etc.



Diamond Tools and Machines for the Construction Industry

Instructions for wet cutting blades

Dry or wet cutting?

Dry cutting blades – can also be used with machines with water-cooling. The benefits with water are, no dust, the blade lasts longer and the cutting is faster.

Wet cutting blades – can only be used with machines with water flow.

Which blade?

For the best economy – choose blade after material and machine. If you have to use the same blade for different materials and machines – consult us

Which number of revolution?

The saw is usually adjusted to the correct number of revolutions – if not, the rule is:

- Hard material - lower peripheral speed
- Soft material - higher peripheral speed
- Choose diameter on the blade that fits the number of revolutions of the machine.
- Too low revolutions - higher wear on the cutting blade
- Too high revolutions - the risk of "vitrofication" of the blade

Assembly of the cutting blade

Cleanse the flanges before assembling the cutting blade, it has to rotate without stroke. Check so the arrow mark corresponds with the rotation of the machine.

How much cooling water?

Wet cutting blades must always be used with machines with an ample flow of water. The water has to be supplied on both sides. Too little water increases the wear and can overheat the blade.

Sawing depth

Bench saw – adjust the blade so it cuts exactly through the material

Asphalt – avoid the underlying gravel, it always wears strongly on the segment and core

Thick materials

While working through thick materials you have to divide the cut in several sections. Very thick materials, e.g. walls, preferably use a wider blade with fewer diameters for the first cut. Avoid tracks that are thinner than the blade, these can make the blade wedge and wear out prematurely. If the blade stops rotate lift it off the track and check that the mutter for the flange is properly pulled.

Vibrations

Watch out for vibrations between the material and machine when you saw, they harm the blade and shorten its life span. The cut shall be straight and the speed even when the blade is parallel with the cut.

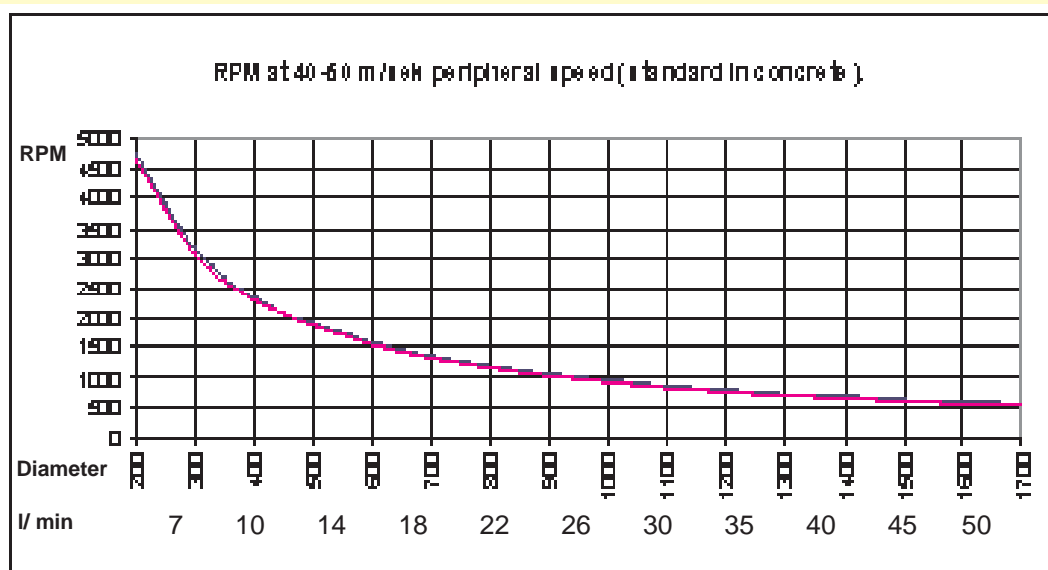
Machine maintenance

Check so the machine is in good condition – the shaft shall be straight and without play – the flanges whole – the wedge ropes stretched and the wheels on the bench saws work table running even.

Handling of the cutting blade

Do not expose the blade for any stroke, wipe it clean after use. Keep it hanging or standing erect. Do not put anything heavy in the center, it will then loose its tension and become lopsided

Recommended RPM and water distribution for wet cutting blades.



Universal/ Concrete and other stone material

Dry & Wet Cutting



PrimeTech™ -- Our successful top quality blade.

The most sold diamond blade on the Swedish market.

According to our tests the highest cutting speed combined with the longest performance compared to price.



PrimeTech™



Quality level: Profi Super

Application: General purpose. Concrete (also reinforced, masonry and natural stones. Dry or wet cutting.

Performance: Very high cutting speed and very long life.

Features: Laser welded segments with special, unique design. Produced with a patented technology for extremely high performance.

Ø mm	Width	Height	Art.No.	Price
230	2,4	10,0 (8,5+1,5)	828230222	
300	2,8	10,0 (8,5+1,5)	828300XXX	
350	2,8	10,0 (8,5+1,5)	828350XXX	
406	3,2	10,0 (8,5+1,5)	828400254	

Ø mm	Width	Height	Art.No.	Price
413	3,2	10,0 (8,5+1,5)	828413254	
450	3,2	10,0 (8,5+1,5)	828450254	
514	3,6	10,0 (8,5+1,5)	828514254	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Universal/ Concrete and other stone material

Dry & Wet Cutting

New



Cross Cut



Quality level: Profi Plus

- Application: General purpose. Concrete (also reinforced), masonry and natural stones. Dry or wet cutting.
- Performance: Very high cutting speed and very long life.
- Features: Laser welded segments.

Ø mm	Width	Height	Art.No.	Price
115	2,0	10,0 (8+2)	842115222C	980:--
125	2,0	10,0 (8+2)	842125222C	1 030:--
140	2,0	10,0 (8+2)	842140222C	1 140:--

Ø mm	Width	Height	Art.No.	Price
150	2,2	10,0 (8+2)	842150222C	1 240:--
180	2,2	10,0 (8+2)	842180222C	1 490:--

LASER Silent

Diamond blade with a silent steel body.
Designed for use in bench saws.

One of the most silent blades on the market today. Very low sound level thanks to a new, sandwich built steel body. Very high cutting speed and very long life.



LASER Silent



Quality level: Profi Super

- Application: Concrete (also reinforced), masonry and natural stones. To be used in bench saws. Dry or wet cutting.
- Performance: Very high cutting speed and very long life. Cuts with a much lower sound level compared to an ordinary diamond blade. 12-16 dB reduced sound level. Gives an impression of a reduction to less than half the noise.
- Features: Laser welded segments. Saw body with sandwich steel.



Ø mm	Width	Height	Art.No.	Price
300	2,8	12,0 (10+2)	824300254	
350	3,2	12,0 (10+2)	824350254	

Ø mm	Width	Height	Art.No.	Price
404	3,2	12,0 (10+2)	824400254	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Universal/ Concrete and other stone material

Dry & Wet Cutting



UNICUT-T



Quality level: Profi

- Application:** General purpose. Concrete (also reinforced), masonry and natural stones. Dry or wet cutting.
- Performance:** Very high cutting speed and long life, but shorter than type HCAL-T.
- Features:** Laser welded segments.

Ø mm	Width	Height	Art.No.	Price
115	2,2	10,0 (8+2)	845115222T	
125	2,2	10,0 (8+2)	845125222T	
140	2,2	8,0 (7+1)	845140222T	
150	2,4	10,0 (8+2)	845150222T	
180	2,4	10,0 (8+2)	845180222T	

Ø mm	Width	Height	Art.No.	Price
230	2,4	10,0 (8,5+1,5)	845230222T	
250	2,4	10,0 (8,5+1,5)	845250254T	
300	2,8	10,0 (8,5+1,5)	845300XXXT1*	
350	2,8	10,0 (8,5+1,5)	845350254T1*	
400	3,2	10,0 (8,5+1,5)	845400254T1*	



Z-Cut XTRA



Quality level: Do-It-Yourself

- Application:** General purpose. Concrete, masonry and natural stones. Dry or wet cutting.
- Performance:** High cutting speed and long life, but shorter than type Unicut-T.
- Features:** Laser welded segments.

Ø mm	Width	Height	Art.No.	Price
115	1,6	7,0 (7+0)	834115222X	
125	1,6	7,0 (7+0)	834125222X	
150	1,6	7,0 (7+0)	834150222X	
180	2,0	7,0 (7+0)	834180222X	

Ø mm	Width	Height	Art.No.	Price
230	2,3	7,0 (7+0)	834230222X	
300	2,6	7,0 (5+2)	834300XXXX	
350	2,8	7,0 (5+2)	834300XXXX	



The last three digits in the article number shows bore size. With your order always state bore dimension.

Natural Stone, Granite

Dry & Wet Cutting



Special blades for granite and hard natural stones

Below is described our diamond blades specially suited for granite and natural stones. Our general purpose blades, like PrimeTech, Unicut, HCAL-T and UNICUT-T, do also cut well in these hard materials and can be used at least for occasional works. When a noise reduced sawing is required our type Laser Silent can be recommended also for the natural stone materials.

However when working continuously in these hard materials a special blade, for example type STUL below, is to prefer because of the higher cutting speed. When a finer cutting surface is requested type Presto or type TUL is a good choice. For the very finest cutting surface we recommend type DOB or DOB-Q.



STUL



Quality level: Profi Super

- Application:** Hard natural stone materials, also extremely hard. Hard, dense fire proof bricks (refractory stones). Dry or wet cutting.
- Performance:** Very high cutting speed in hard materials and long life. Rough cutting surface.
- Features:** Laser welded segments with grooves. Robust feature.

Ø mm	Width	Height	Art.No.	Price
125	2,2	10,0 (8+2)	943125222	
150	2,4	10,0 (8+2)	943150222	
180	2,4	10,0 (8+2)	943180222	
230	2,6	10,0 (8+2)	943230222	

Ø mm	Width	Height	Art.No.	Price
300	3,2	10,0 (8+2)	943300XXX	
350	3,2	10,0 (8+2)	943350XXX	
400	3,6	10,0 (8+2)	943400254	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Natural Stone, Granite

Dry & Wet Cutting



PRESTO



Quality level: Profi Super

Application: Hard natural stone materials. Hard bricks, tiles. Cutting with a bench saw. Dry or wet cutting.

Performance: Very high cutting speed and long life. Clean cut.

Features: Sintered, continuous rim with grooves for cooling and throwing dust away. Laser cut steel body for reduced noise.

Ø mm	Width	Height	Art.No.	Price
125	2,0	10,0 (10+0)	832125222	
150	2,3	10,0 (10+0)	832150222	
180	2,3	10,0 (10+0)	832180222	

Ø mm	Width	Height	Art.No.	Price
230	2,5	10,0 (10+0)	832230222	
300	3,0	10,0 (10+0)	832300XXX	
350	3,0	10,0 (10+0)	832350XXX	



TUL



Quality level: Profi

Application: Hard natural stone materials. Hard bricks, tiles. Cutting with a bench saw. Dry or wet cutting.

Performance: High cutting speed and long life. Clean cut.

Features: Sintered, continuous rim with grooves for cooling and throwing dust away.

Ø mm	Width	Height	Art.No.	Price
105	2,0	7,5 (7,5+0)	830105222	
115	2,0	7,5 (7,5+0)	830115222	
125	2,0	7,5 (7,5+0)	830125222	
150	2,3	7,5 (7,5+0)	830150222	
180	2,3	7,5 (7,5+0)	830180222	

Ø mm	Width	Height	Art.No.	Price
200	2,3	7,5 (7,5+0)	830200XXX	
230	2,5	7,5 (7,5+0)	830230222	
250	2,5	7,5 (7,5+0)	830250XXX	
300	3,0	7,5 (7,5+0)	830300XXX	
350	3,0	7,5 (7,5+0)	830350XXX	



Cosmo XTRA



Quality level: Do-It-Yourself

Application: Hard natural stone materials. Hard bricks, tiles. Cutting with a bench saw. Dry or wet cutting.

Performance: Standard cutting speed and life. Clean cut.

Features: Sintered, continuous rim with grooves for cooling and throwing dust away.

Ø mm	Width	Height	Art.No.	Price
115	1,9	7,0 (7+0)	843115222	
125	2,0	7,0 (7+0)	843125222	

Ø mm	Width	Height	Art.No.	Price
180	2,2	7,0 (7+0)	843180222	
230	2,5	7,0 (7+0)	843230222	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Precision Cutting - Ceramics, Marble

Dry & Wet Cutting



DOB



Quality level: Profi Super

- Application:** Precision cutting of ceramics, tiles etc and natural stones, marble, sandstone, limestone. Also for cutting glass. (Diameters 254, 300 and 350 not suited for hand held cutting.) Dry or wet cutting.
- Performance:** Leaves a very smooth and accurate cutting edge. High cutting speed and very long life.
- Feature:** Sintered, continuous rim blade.

Ø mm	Width	Height	Art.No.	Price
85	1,2	5,0 (5+0)	835085150	
110	1,6	5,0 (5+0)	835110222	
125	1,6	5,0 (5+0)	835125222	
155	1,6	5,0 (5+0)	836150XXX	
180	1,6	5,0 (5+0)	835180XXX	

Ø mm	Width	Height	Art.No.	Price
200	1,6	5,0 (5+0)	836200XXX	
230	2,2	5,0 (5+0)	835230XXX	
254	1,6	5,0 (5+0)	836250XXX	
300	2,0	5,0 (5+0)	836300XXX	
350	2,0	5,0 (5+0)	836350300	

DOB-Q



Quality level: Profi Super



- Application:** Precision cutting of ceramics, tiles etc and natural stones, marble granite, slate. Also for cutting glass. Specially suited for extremely hard ceramics. (Diameters 250, 300 and 350 mm not suited for hand held cutting.) Dry or wet cutting.
- Performance:** Leaves a very smooth and accurate cutting edge. Very high cutting speed and long life.
- Feature:** Sintered, continuous rim blade. Steel with narrow slots.

Ø mm	Width	Height	Art.No.	Price
115	1,2	5,0 (5+0)	829115222	
125	1,2	5,0 (5+0)	829125222	
180	1,4	5,0 (5+0)	829180222	
200	1,4	5,0 (5+0)	829200XXX	

Ø mm	Width	Height	Art.No.	Price
230	1,4	5,0 (5+0)	829230XXX	
250	1,4	5,0 (5+0)	829250254	
300	1,6	5,0 (5+0)	829300XXX	
350	1,6	5,0 (5+0)	829350XXX	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Precision Cutting - Ceramics, Marble

Dry & Wet Cutting

Fine Cut XTRA



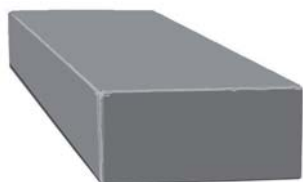
Quality level: Do-It-Yourself



- Application:** Precision cutting of ceramics, tiles etc and natural stones, marble, sandstone, limestone. Dry or wet cutting.
- Performance:** Leaves a smooth and accurate cutting edge. Standard cutting speed. Shorter life than Soft Cut.
- Features:** Sintered, continuous rim blade.

Ø mm	Width	Height	Art.No.	Price
115	1,6	5,0 (5+0)	833115222X	
125	1,6	5,0 (5+0)	833125222X	

Ø mm	Width	Height	Art.No.	Price
180	1,6	5,0 (5+0)	833180222X	
230	1,6	5,0 (5+0)	833230222X	



Sharpening Stone

- Application** For sharpening diamond blades that have become dull.
- Performance:** By sawing with the blade in the stone the metal bond will be removed and new diamonds will appear.
- Features:** Made of abrasive silicon carbide.

Designation	Dimensions	Art. No.	Price
Sharpening Stone	200 x 100 x 50 mm	98201	

Make sure the stone is securely locked during the sawing. Do not hold it with your hand.



Steel, Demolition etc.

Dry & Wet Cutting

New

DIAMOND X

Instead of standard abrasive cut-off wheels

Our diamond blade Dia-MAX - now improved, manufactured with the latest technology

For cutting of metals, concrete, stone tiles etc*

- Same cutting depth through blade life!
- High cutting speed!
- Less time wasted in changing discs!
- Can be used in wet conditions!
- Cost per cut less than half!
- Less sparkles!
- No smell! No smoke!
- Cuts in nearly all material!

Also cutting plastic, cemented fibre boards, hard wood etc.

Excellent for:

- DEMOLITION
- RESCUE SERVICE
- ALLROUND-USE
- EXTREME CONDITIONS



DIAMOND X

Application: As a universal blade for cutting almost all kinds of materials or as an extra fast cutting blade in extremely hard work conditions. Steel, plastic, concrete, stones, refractories etc. Dry or wet use.

Performance: Nearly same cutting speed as when cutting steel with abrasive cut-off wheels. Extremely fast cutting in other, softer materials. (However sometimes short life in hard materials.)

Features: Vacuum brazed diamonds in periphery.

Ø mm	Width	Art. No.	Price
125	1,3	956125222T	
150	1,3	956150XXXT	
180	1,3	956180XXXT	
230	1,3	956230XXXT	
302	3,1	956300XXX	

Ø mm	Width	Art. No.	Price
352	3,1	956355XXX	
409	3,3	956409XXX	
459	3,5	956450XXX	
510	3,5	956500XXX	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Electroplated Blade - Stones, Plastic, Cement Fibre Boards etc.

Dry & Wet Cutting

EPL-O

Fast and clean cuts in marble, sandstone, limestone, plastics, glass fibre, cement fibre boards etc.



EPL-O

- Application:** Plastic and glass fibre, soft ceramics and soft natural stone, cement fibre boards Dry or wet cutting.
- Performance:** Clean cut and very good cutting speed in soft materials (or when other diamond blades do not cut at all). Longer life and finer cutting edge compared to TC-blades.
- Features:** Electroplated blade with diamonds in the periphery and slots in the steel.

Ø mm	Width	Art. No.	Price
100	1,5	953100	
115	1,5	953115	
125	1,5	953125	
160	2,0	953160XX	
180	2,0	953180XX	

Ø mm	Width	Art. No.	Price
200	2,0	953200XX	
215	2,0	953215300	
230	2,5	953230222	
250	3,0	953250	
300	3,5	953300XX	

Use of TC-blades in Plastics, Glass Fibre, Cement fibre boards etc.

- Tungsten Carbide tipped blades** We have in our range a number of different TC-blades for these materials. High cutting speed but shorter life compared to diamond blades.
- PCD Tipped blade (Frezite)** A high purchase price but a high cutting speed and very long life.

The last three digits in the article number shows bore size. With your order always state bore dimension.

Rakers

Dry & Wet Cutting



PCBR

Quality level: Profi Super ★★★★★

- Application:** Removal of the joint wall material for cleaning from PCB. Widening of joints. Dry or wet use
- Performance:** Grinds off the outer layer of the both sides of the joint. Very fast removal and very long life.
- Feature:** Diamond coating on both sides of the periphery and as radial spokes. Steel core with holes.

Ø mm	Width	Height	Art.No.	Price
125	6,0	6,5 (5,5+1,0)	887125222	

Ø mm	Width	Height	Art.No.	Price
180	6,0	6,5 (5,5+1,0)	887180222	



NOT

Quality level: Profi Super ★★★★★

- Application:** Mortar removal between bricks and blocks. Dry or wet use.
- Performance:** High cutting speed and very long life.
- Feature:** Equipped with TC tips as protection for the steel core.

Ø mm	Width	Height	Art.No.	Price
115	4,2	6,0 (5,0+1,0)	885115222	
115	6,2	6,0 (5,0+1,0)	886115222	

Ø mm	Width	Height	Art.No.	Price
125	4,2	6,0 (5,0+1,0)	885125222	
125	6,2	6,0 (5,0+1,0)	886125222	



VFR

Quality level: Profi Super ★★★★★

- Application:** Widening unintentional cracks in concrete. Dry or wet use.
- Performance:** High cutting speed and very long life.
- Feature:** Wedge shaped segments.

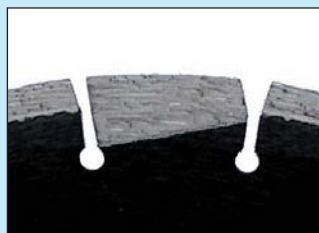
Ø mm	Width	Height	Art.No.	Price
102	9,6	13,0 (12+1)	888105222	
125	9,6	13,0 (12+1)	888125222	

Ø mm	Width	Height	Art.No.	Price
180	9,6	13,0 (12+1)	888180222	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Abrasive Materials - Asphalt etc.

Dry & Wet Cutting



Wedge-segments for safer use in abrasive materials

Our asphalt blades WASF Wedge and ASFE Wedge have wedge-segments - four segments that are immersed 8 mm in the sawblade steel (4 mm on Ø 450 mm and above). When sawing in the gravel beneath the asphalt the wear on the blade is very high which can lead to segment losses and injuries. The wedge-segments protect the steel end reduce the risk for segment losses.

New



WASF Wedge

Quality level:

★★★★★
Profi Super

Application: Asphalt joint cutters, green concrete, masonry, refractories, light weight blocks. Wet or dry use

Performance: Very high cutting speed and very long life.

Features: Laser welded segments. Narrow slots. Four of the segments are immersed in the steel blade as protection.

Ø mm	Width	Height	Art.No.	Price
304	3,1	9,0 (8+1)	870300XXXW	
354	3,3	9,0 (8+1)	870350XXXW	
411	3,6	9,0 (8+1)	870400XXXW	

Ø mm	Width	Height	Art.No.	Price
461	3,6	9,0 (8+1)	870450XXXW	
512	3,6	9,0 (8+1)	870500XXXW	
614	4,0	9,0 (8+1)	870600XXXW	

The last three digits in the article number shows bore size. With your order always state bore dimension.

Diamond Tools and Machines for the Construction Industry



JACK MIDHAGE AB
SE - 26921 BÅSTAD

info@midhage.se
www.midhage.se

Tel: +46-431-71 000
Fax: +46-431-75 470

Abrasive Materials - Asphalt etc.

Dry & Wet Cutting

New



ASFE Wedge

Quality level:



Profi Plus

Application: Asphalt joint cutters, green concrete, masonry, refractories, light weight blocks. Wet or dry use

Performance: Very high cutting speed and long life.

Features: Laser welded segments. Narrow slots. Diameters 300 mm, 350 mm and 400 mm have four of the segments immersed in the steel blade as protection.

Ø mm	Width	Height	Art.No.	Price
230	2,8	8,0 (7+1)	873230222W	
300	2,8	8,0 (7+1)	873300XXXW	

Ø mm	Width	Height	Art.No.	Price
350	3,0	8,0 (7+1)	873350XXXW	
400	3,4	8,0 (7+1)	873400254W	



ASFE

Quality level:



Profi

Application: Asphalt joint cutters, green concrete, masonry, refractories, light weight blocks. Wet or dry use

Performance: High cutting speed and long life.

Features: Laser welded segments. Narrow slots with TC-protection for the steel.

Ø mm	Width	Height	Art.No.	Price
230	2,4	7,0 (5+2)	873230222	
300	2,8	7,0 (5+2)	873300254	

Ø mm	Width	Height	Art.No.	Price
350	3,0	7,0 (5+2)	873350254	
400	3,4	7,0 (5+2)	873400254	

Asphalt and Concrete Raking

Wet cutting



Asphalt Groover

Application: Raking grooves in asphalt or green concrete. Wet or dry use.

Performance: Very good cutting speed and very long life.

Feature: Laser welded segments.



Ø mm	Width	Height	Art. No	Price
350	6,0	7,0 (5+2)	874355254	

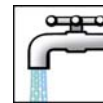
The last three digits in the article number shows bore size. With your order always state bore dimension.

Wet Cutting Blades - Concrete, Masonry

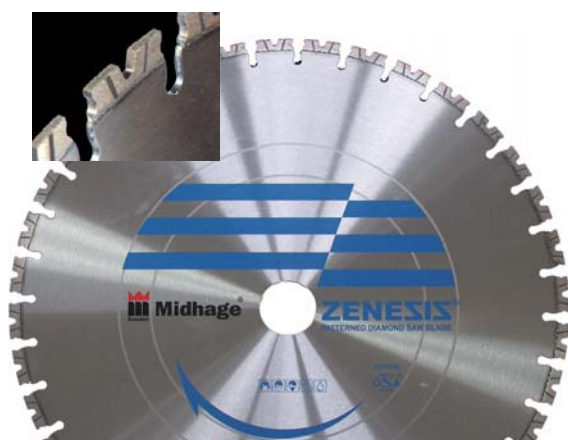
Wet cutting

3D Positioning

ZENESIS®
edition Q



The diamond blade produced with the unique technology for positioning the diamonds in optimal pattern giving outstanding performance



ZENESIS®

- Application:** Wet cutting in reinforced concrete and masonry. Wall saws or floor.
- Performance:** Extremely fast cutting and extremely long life.
- Features:** Segment height 10 mm (1,5 mm neutral zone). Segment length 40 mm. Wide slots. Also available with silent steel body. Comes in two different types: **Soft** and **Medium** bond.

Ø mm	Bond	Bore	Segment-width	Article number	Price	Silent steel Price
415	S	25,4	3,0	826415254		
456	S	25,4	3,0	826450254		
500	S	25,4	3,6	826500254		
520	S	25,4	3,6	826520254		
550	S	25,4	3,6	826550254		
606	S	60,0	3,6	826600600		
606	S/ M	60,0	4,5	826606600XX		
706	S	25,4	3,6	826706254		
706	S/ M	25,4/ 60,0	4,5	826706600XX		
806	S/ M	60,0	4,5	826806600XX		
806	S/ M	60,0	5,0	826806650XX		
906	S/ M	60,0	4,5	826906600XX		
906	S/ M	60,0	5,0	826906650XX		
1006	S/ M	60,0	4,5	8261006600XX		
1006	S/ M	60,0	5,0	8261006650XX		
1206	S/ M	60,0	4,5	8261206600XX		
1506	S/ M	60,0	4,5	ZSX15014044600		

Article number:

Shift the letter X in the article number to the type requested

S = Soft, M = Medium

Dimensions above 1200 mm, contact us for price. Extra for dowels holes flush cutting bore.

Wet Cutting Blades - Concrete, Masonry

Wet cutting

XCello

**A diamond blade specially developed for offering the fastest cutting speed on the market together with a very long life.
Laser welded - Also good for dry cutting.**



XCello

- Application:** Wet cutting in reinforced concrete and masonry. Also possible to use dry. Mainly wall saws but also floor saws.
- Performance:** Extremely fast cutting and very long life.
- Features:** Segment height 12 mm (1,5 mm neutral zone). Segment length 20 mm. Wide slots. Medium bond.

Ø mm	Bond	Bore	Segment-width	Article number	Price
414	Soft	25,4	4,0	XCS040140254	
514	Soft	60,0	4,7	XCS050147600	
614	Soft	60,0	4,7	XCS060147600	
714	Soft	60,0	4,7	XCS070147600	
814	Soft	60,0	4,7	XCS080147600	
914	Soft	60,0	4,7	XCS090147600	
1014	Soft	60,0	4,7	XCS100147600	
1214	Soft	60,0	4,7	XCS120147600	

Other diamond blades possible to use dry:

PrimeTech™ Concrete, masonry etc. Available in diameters 230 - 514 mm

WASF Masonry, asphalt etc. Available in diameters 230 - 614 mm.

Extra for dowels holes flush cutting bore.

Wet Cutting Blades - Concrete, Masonry

Wet cutting



WCM

- Application:** Wet cutting in reinforced concrete, masonry and other materials. Wall saws or floor. When ordering specify material (and machine)
- Performance:** In general very high cutting speed and very long life.
- Features:** Segment height 9 mm (No neutral zone). Segment length 40 mm. Wide slots. Also available with silent steel body.

Ø mm	number	Segment width	Height	Article number	Price	WCM-Silent Price
400	24	3,3	9 (9+0)	ZZ04014033XXX		
410	24	3,3	9 (9+0)	ZZ04114033XXX		
410	24	4,2	9 (9+0)	ZZ04114042XXX		
450	26	3,3	9 (9+0)	ZZ04514033XXX		
450	26	4,2	9 (9+0)	ZZ04514042XXX		
500	30	4,2	9 (9+0)	ZZ05014042XXX		
500	30	5,0	9 (9+0)	ZZ05014050XXX		
520	30	4,2	9 (9+0)	ZZ05214042XXX		
550	32	4,2	9 (9+0)	ZZ05514042XXX		
600	36	4,2	9 (9+0)	ZZ06014042XXX		
600	36	5,0	9 (9+0)	ZZ06014050XXX		
600	36	6,0	9 (9+0)	ZZ06014060XXX		
700	40	4,2	9 (9+0)	ZZ07014042XXX		
700	40	5,0	9 (9+0)	ZZ07014050XXX		
700	40	6,0	9 (9+0)	ZZ07014060XXX		
750	44	4,2	9 (9+0)	ZZ07514042XXX		
750	44	5,0	9 (9+0)	ZZ07514050XXX		
800	46	4,2	9 (9+0)	ZZ08014042XXX		
800	46	5,0	9 (9+0)	ZZ08014050XXX		
800	46	5,5	9 (9+0)	ZZ08014055XXX		
900	50	4,5	9 (9+0)	ZZ09014045XXX		
900	50	5,0	9 (9+0)	ZZ09014050XXX		
925	50	4,5	9 (9+0)	ZZ09214045XXX		
925	50	5,0	9 (9+0)	ZZ09214050XXX		
1000	52	4,5	9 (9+0)	ZZ10014045XXX		
1000	52	5,0	9 (9+0)	ZZ10014050XXX		
1200	56	4,5	9 (9+0)	ZZ12014045XXX		
1200	56	5,0	9 (9+0)	ZZ12014050XXX		

The first and the second digits in the article number shows the application type.
Dimensions above 1200 mm, contact us for price. Extra for dowels holes flush cutting bore.

Natural Stone, Granite

Wet cutting



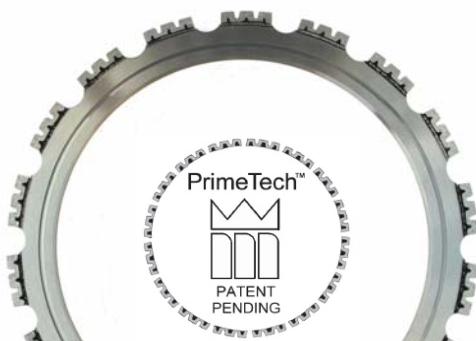
WGM

- Application:** Wet cutting in stone materials when a fine cutting surface is required. When ordering specify type of stone and machine.
- Performance:** In general very high cutting speed and very long life.
- Features:** Segment height 9 mm (No neutral zone). Segment length 40 mm. Narrow slots. Also available with silent steel body.

Ø mm	number	Segment		Article number	Price	WGM-Silent	
		width	height			Article number	Price
400	28	3,3	9 (9+0)	0405Z4033XXX		0408Z4033XXX	
450	32	3,3	9 (9+0)	0455Z4033XXX		0458Z4042XXX	
500	36	4,2	9 (9+0)	0505Z4042XXX		0508Z4042XXX	
600	42	4,2	9 (9+0)	0605Z4042XXX		0608Z4042XXX	
800	50	5,0	9 (9+0)	0805Z4050XXX		0808Z4050XXX	

Ring Saw Blades

Wet cutting



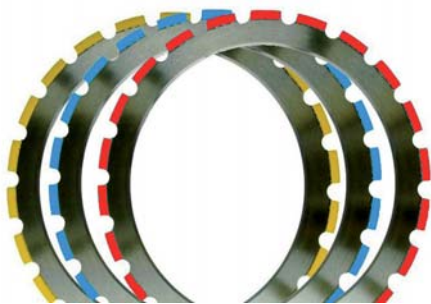
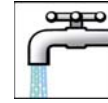
PrimeTech™

- Application:** Concrete (also reinforced) and masonry. Wet cutting, but dry cutting is also possible.
- Performance:** Very high cutting speed and very long life.
- Features:** Laser welded segments with special, unique design. Produced with a patented technology for extremely high performance. Steel ring with one or two grooves.

Type	Segment width	Segment height	Art. No.	Price
PrimeTech, with one groove	4,2	10,0 (8,5+1,5)	850365991	
PrimeTech, with two grooves	4,2	10,0 (8,5+1,5)	850365993	

Ring Saw Blades

Wet cutting



Ring Saw Blade Yellow/ Blue/ Red

Application: Concrete and masonry. Three different types can be supplied. Wet cutting, but dry cutting is also possible.

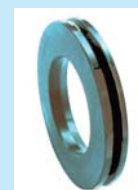
Egenskaper: Very fast cutting and long life.

Features: Laser welded segments.

Type	Segment width	Segment height	Art. No.	Price
Very hard, reinforced concrete:				
Ring saw blade, with one groove	4,2	9,0 (7+2)	850350991	
Medium hard, reinforced concrete:				
Ring saw blade, with one groove	4,2	9,0 (7+2)	850350993	
Abrasive or soft concrete. masonry:				
Ring saw blade, with one groove	4,2	9,0 (7+2)	850350999	

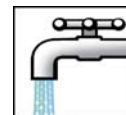
Drive wheels

Together with your order of ring saw blade always specify the drive wheel. Mostly common is the new type of drive wheel (see photo). Old Partner saws (K 3500) requires an other type of drive wheel.



Diamond Wire

Wet cutting



Diamond wire for reinforced concrete

Our standard wire has a diameter of 10,5 mm and has 40 sintered diamond beads per meter with 7 mm length each and 1,8 mm wearing height. The inner wire is 4,9 mm. The distances between the beads are steel springs in rubber which gives a high flexibility together with a strong resistance.

Vi also keep other types of diamond wire in stock and can for example offer electroplated wire with extreme performance and cutting speed in concrete and steel reinforcements. The diameter is 10,0 mm and it has 40 beads per meter.

Designation	Article number	Price
Concrete Wire - Sintered, for very hard, reinforced concrete	2105401	
Concrete Wire - Electroplated, for extremely reinforced concrete	2105408	

Cutting speed and life time in concrete - An example

When planning a wire cut it is important to make sure that the life time of the diamond wire is enough to finish the cut, i.e. the length of the wire has to be calculated in accordance with the squaremeters to be cut. As alternative you can change to a used wire before the cut is done but then this wire must not have a bigger diameter.

Amount steel	Cutting speed sqm/hour	Life sqm/m wire
0%	3 - 10	4 - 7
2%	1 - 3	2 - 4
4%	0,5 - 1	0,5 - 2

Accessories

For the wire joints

For joining the wire ends there are different solutions. The most common and simplest method is to use sleeves that are squeezed with hydraulic tongs but we can also offer other tools for this purpose.

Designation	Article number	Price
Sleeve	104049	
Hydraulic tongs	104055	

Choose the right grinding tool

Cup wheels for angle grinders, concrete and stone grinders



Concrete or stone

Our cup wheels are divided in groups. Cup wheels suited for concrete do most of the time function well also in natural stone materials. Just make sure the tool does not get overheated.

Removal of coatings

Our type TORRENT removes the coating at the same time as it grinds the surface under the coating. Our other types PCD-CUP and PCD-MAX tear away the coatings - and are also good for sticky coatings - but do not grind the surface. Instead, be aware of that the surface may get scratches.

Avoid the dust

Do not use the cup wheels without a dust suction unit. Also always use a breathing mask. If possible try to adjust the dust cover guard to avoid the dust to be spread. Many of our cup wheels are available in different total heights to suit the dust cover guard on the machine.

Different total height

Recommended height on the tool to best suit the machine.
(May vary on different models.):

Bosch	125 mm-22,2 mm	22 mm height
Eibenstock	125 mm-22,2 mm	22 mm height
Flex	105 mm-22,2 mm	18 mm height
Flex	115 mm-22,2 mm	20 mm height
Flex	125 mm-22,2 mm	20 mm height
Flex	180 mm-22,2 mm	25 mm height
Hilti	125 mm-22,2 mm	22 mm height
Hilti	150 mm-19,0 mm	20 mm height
Hitachi	115 mm-22,2 mm	20 mm height
Hitachi	125 mm-22,2 mm	25 mm height
Makita	110 mm-15,0 mm	19 mm height

Instructions for diamond cup wheels

Always follow the safety rules for the machine and the working site.

Make sure that the machine's protection guard is correct.

Do not exceed the maximum speed.

Do regularly check the tool for damages.

Do not inhale the dust. Use a powerful dust suction unit and a breathing mask.

Wear protection eye goggles, hearing protection, breathing mask and protective clothing.

Do not use a high pressure on the machine.

Avoid overheating. Run the tool free for a while every 20 seconds grinding in the material.

Clean the tool if necessary.

After having finished do not stop the rotation by holding the machine and the tool against the material.

Do not leave the machine so it lands on the cup wheel.

Cup Wheels

Grinding Tools for Concrete, Masonry and Natural Stone

Concrete and General Purpose

★★★★★



Typhoon-Q

Ø 100 - 175 mm

★★★★★



T-Cup Premium

Ø 115 - 175 mm

★★★★★



Double Row

Ø 100 - 176 mm

★★★★★



T-Cup Standard

Ø 115 - 125 mm

Suiting Flex Giraffe

Masonry

★★★★★



LW Cup

Ø 125 mm
Concrete

★★★★★



LW Cup Black

Ø 125 mm
Abrasive materials

★★★★★



LW Cup

Ø 125 mm
Removal of coatings

★★★★★



BS Medium

Ø 110 - 125 mm

Grinding and Polishing in Granite and Hard Natural Stones

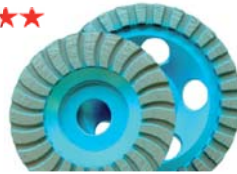
★★★★★



Turbo Coarse

Ø 100 och 125 mm
Rough grinding

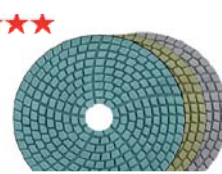
★★★★★



Turbo Fine

Ø 100 och 125 mm
Fine grinding

★★★★★



Resin

Ø 100 och 125 mm
Polishing

Removal of Coatings

★★★★★



Torrent

Ø 125 - 150 mm
Lifts the coating and grinds the surface

★★★★★



PCD Light

Ø 125 - 150 mm
Tears away the coating

★★★★★



PCD Max

Ø 125 - 150 mm
Tears away the coating

Concrete, Masonry and Natural Stone



Our successful Top Quality cup wheel

Typhoon-Q



Quality level: Profi Super



- Application:** Universal. Concrete, masonry and natural stones. Removal of different coatings. (Suited for machines with dust suction). Dry or wet use.
- Performance:** Very high grinding speed and very long life.
- Features:** Segments in periphery and diagonally towards the center. Diameters 125, 150 and 175 mm are available in different heights to fit all machines. Standard bore is 22,2 mm. Diameter 150 mm is also available with 19,0 mm bore. Mesh 30.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
100	22,2 mm	20 mm	310 g	13/26x7x5,5 mm	8+8 st	87100222	
115	22,2 mm	20 mm	390 g	22/28x7x5,5 mm	8+8 st	87115222	
125	22,2 mm	20 mm	420 g	24/30x7x5,5 mm	8+8 st	87125222	
125	22,2 mm	22 mm	425 g	24/30x7x6,5 (5+1,5) mm	8+8 st	87125222H	
125	22,2 mm	25 mm	430 g	24/30x7x5,5 mm	8+8 st	89125222	
150	19,0 mm	20 mm	660 g	24/35x7x5,5 mm	10+10 st	87150190	
150	22,2 mm	29 mm	680 g	24/35x7x5,5 mm	10+10 st	89150222	
175	22,2 mm	25 mm	970 g	24/35x7x5,5 mm	12+12 st	89180222	
175	22,2 mm	31 mm	990 g	24/35x7x5,5 mm	12+12 st	87180222	

Concrete, Masonry and Natural Stone

T-Cup Premium



Quality level: Profi Plus



- Application:** Universal. Concrete, masonry and natural stone. Dry or wet use.
- Performance:** High grinding speed and very long life.
- Features:** T-shaped diamond segments. Holes for dust and cooling. Mesh 30. Diameters 125 and 176 mm are available in two different heights to suit all machines.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
115	22,2 mm	20 mm	340 g	5,0 mm	8 st	95115222	
125	22,2 mm	20 mm	380 g	5,0 mm	8 st	95125222	
125	22,2 mm	22 mm	380 g	6,5 (5+1,5) mm	8 st	96125222H	
125	22,2 mm	25 mm	380 g	5,0 mm	8 st	97125222	
150	19,0 mm	20 mm	530 g	5,0 mm	10 st	95150190	
150	22,2 mm	20 mm	530 g	5,0 mm	10 st	95150222	
175	22,2 mm	25 mm	800 g	5,5 mm	12 st	95180222	

Double Row



Quality level: Profi Plus



- Application:** Universal. Concrete, masonry and natural stone. Dry or wet use.
- Performance:** Normal grinding speed and very long life.
- Features:** Double row of diamond segments. Holes for dust and cooling. Mesh 30. Diameters 125 and 176 mm are available in two different heights to suit all machines.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
100	22,2 mm	20 mm	360 g	30/23x7x5,5 mm	10+10 st	84100XXX	
110	22,2 mm	20 mm	390 g	30/23x7x5,5 mm	10+10 st	84110XXX	
125	22,2 mm	19 mm	520 g	32/25x7x5,5 mm	10+10 st	85125222	
125	22,2 mm	24 mm	520 g	32/25x7x5,5 mm	10+10 st	84125222	
150	22,2 mm	30 mm	550 g	35/28x7x5,5 mm	10+10 st	84150222	
176	22,2 mm	24 mm	860 g	35/28x7x5,5 mm	12+12 st	85180222	
176	22,2 mm	31 mm	880 g	35/28x7x5,5 mm	12+12 st	84180222	

Concrete, Masonry and Natural Stone



T-Cup Standard



Quality level: Profi

- Application: Universal. Concrete, masonry and natural stone. Dry or wet use.
- Performance: Normal grinding speed and life.
- Features: T-shaped diamond segments. Holes for dust and cooling. Mesh 30.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
115	22,2 mm	20 mm	340 g	5 mm	8	96115222	1 420:--
125	22,2 mm	20 mm	370 g	5 mm	8	96125222	1 780:--

Cup Wheels for Special Machines



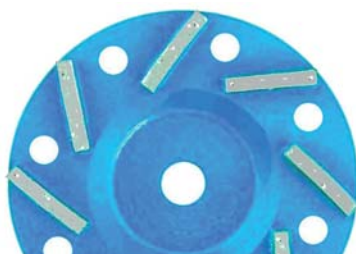
LW Cup



Quality level: Profi Super

- Application: For grinding with Flex-machines.
- Performance: Normal grinding speed and life.
- Features: T-shaped diamond segments. Holes for dust and cooling. Very light in weight. 23,5 mm bore. Mesh 30.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
125	23,5 mm	23 mm	190 g	32/20x7x5,5 mm	5	94125235	



CGH



Quality level: Profi Super

- Application: For grinding ceilings with Dustcontrol or Kihlström machines.
- Performance: High grinding speed and very long life.
- Features: 8 diamond segments with Mesh 40. Total height 41 mm. With two different bores depending on machine type.

Ø mm	Bore	Segment dimensions	Article number	Price
150	5/8" (Dustcontrol)	40 x 6 x 7 mm	20581670	
150	20 mm (Kihlström)	40 x 6 x 7 mm	20520070	

Cup Wheels for Masonry and Abrasive Materials



BS Medium

Quality level: Profi Super ★★★★★

- Application:** Grinding in masonry, soft stone and concrete. Dry or wet use.
- Performance:** Normal grinding speed and very long life. Leaves even surface.
- Features:** Extra wide, continuous segment area with slots for dust and cooling. Mesh 40.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
110	22,2 mm	19 mm	440 g	39x20x4,5 mm	8	83110XXX	
125	22,2 mm	19 mm	540 g	39x24x4,5 mm	8	83125222	

Hard Natural Stone, Granite



Turbo Coarse

Quality level Profi Super ★★★★★

- Application:** Hard natural stone or concrete. Dry or wet use.
- Performance:** High grinding speed and very long life.
- Features:** Wide section of continuous segment area with grooves for dust and cooling. Diameters 110 mm and 125 mm have holes in the steel body. Mesh 30.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
100	22,2 mm	17 mm	360 g	20x4,5 mm	Cont rim	81100XXX	
110	22,2 mm	19 mm	320 g	15x4,5 mm	Cont rim	81110XXX	
125	22,2 mm	23 mm	540 g	14x4,5 mm	Cont rim	81125222	



Turbo Fine

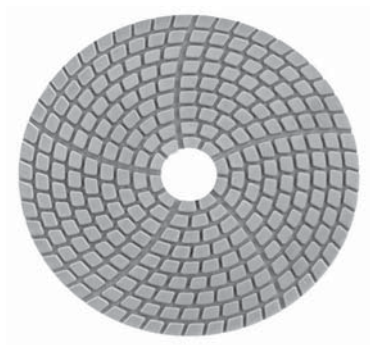
Quality level: Profi Super ★★★★★

- Application:** Fine grinding in hard natural stone or concrete. Dry or wet use.
- Performance:** Leaves a fine surface. Very long life.
- Features:** Same as type Turbo Coarse above but has a finer diamond grit size, Mesh 100.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
100	22,2 mm	17 mm	360 g	20x4,5 mm	Cont rim	88100XXX	
125	22,2 mm	23 mm	540 g	14x4,5 mm	Cont rim	88125222	

Polishing Natural Stone or Concrete

Polishing pads



Resin



Quality level: Profi Super

- Application: Fine grinding or polishing natural stone, terazzo, concrete, ceramics, composites etc. Dry or wet use.
- Performance: Smooth grinding or polishing up to lustre shine.
- Features: Resin bonded diamond with a choice on grit size from Mesh 50 (coarse) up to Mesh 3000 (extremely fine). Resin thickness 2.5 mm. Velcro QRS backing for the attachment.

Ø 100 mm

Ø 125 mm

Ø mm	Color	Art. No.	Price	Art. No.	Price
50	Brown	9101000050		9101250050	
100	Red	9101000100		9101250100	
200	Orange	9101000200		9101250200	
400	Yellow	9101000400		9101250400	
800	Green	9101000800		9101250800	
1500	Blue	9101001500		9101251500	
3000	Darkblue	9101003000		9101253000	

Accessories

Support for polishing pads



- Application: Support for Resin polishing pads.
- Features: Surface with hooks for Velcro QRS and an M14 thread for the connection to the machine. Made of plastic.

Ø mm	Thread	Art. No.	Price
115	M 14	6302011514	
125	M 14	6302012514	
150	M 14	6302015014	

Round off and Deburr

Carborundum stone for gentle grinding



Carborundum Stone

Application: Grinding in concrete or masonry when a more gentle grinding is required. Rounding of edges and removal of burrs. Max speed 50 m/sec 7.990 rpm. Dry or et use.

Performance: Even surface (slow removal)

Features: M 14 thread for the connection.

Ø mm	Thread	Article number	Price
125	M 14	832111	

Removal of Coatings



Lifts off the coating and grinds the surface

Torrent



Quality level: Profi Super



Application: Removal of different coatings like remnants of glue adhesives, joint mortar, carpets, paint, epoxy etc. Dry or wet use.

Performance: High efficiency and long life. Lifts off the coatings and grinds the surface underneath. Mesh 40.

Features: Angled segments. Ø 125 mm is available in two different heights to fit all machines. Standard bore is 22,2 mm but Ø 150 mm is available also with 19 mm bore.

Ø mm	Bore	Total height	Weight	Segment dimensions	Number	Art.No.	Price
125	22,2 mm	20 mm	440 g	13 x 8 x 5 mm	8 st	90125222	
125	22,2 mm	25 mm	450 g	15 x 8 x 5 mm	8 st	91125222	
150	19,0 mm	20 mm	485 g	16 x 8 x 5 mm	10 st	90150190	
150	22,2 mm	20 mm	495 g	17 x 8 x 5 mm	10 st	90150222	

Removal of Coatings



Tears off thin and thick coatings

PCD Light



Quality level Profi Super



- Application:** Removal of different coatings like remnants of glue adhesives, joint mortar, carpets, epoxy etc. Also sticky remnants. Dry or wet use.
- Performance:** Very high efficiency and very long life.
- Features:** PCD-segments that tear the coating away from the surface. Ø 125 mm is available in two different heights to fit all machines. Standard bore is 22,2 mm but Ø 150 mm is available also with 19 mm bore.

Ø mm	Bore	Total height	Weight	Number	Art.No.	Price
125	22,2 mm	18 mm	440 g	6 st	92125222	
125	22,2 mm	23 mm	450 g	6 st	93125222	
150	19,0 mm	22 mm	485 g	6 st	92150190	
150	22,2 mm	22 mm	495 g	6 st	92150222	
175	22,2 mm	23 mm	496 g	8 st	92150222	



Tears off thick coatings. To be used in powerful machines

PCD Max



Quality level: Profi Super



- Application:** Removal of different coatings like remnants of glue adhesives, joint mortar, carpets, epoxy etc. Dry or wet use.
- Performance:** Extremely high efficiency and very long life.
- Features:** PCD-segments that tear the coating away from the surface. Standard bore is 22,2 mm but Ø 150 mm is available also with 19 mm bore.

Ø mm	Bore	Total height	Weight	Number	Art.No.	Price
125	22,2 mm	20 mm	440 g	5 st	98125222	
150	19,0 mm	22 mm	485 g	5 st	98150190	
150	22,2 mm	22 mm	495 g	5 st	98150222	

Selection Guide

Tools for all Floors and all Machines

As one of our specialities we have in our production developed a complete program of top quality tools for the grinding of all kinds of concrete and stone floors. A great number of different grinding heads, different grit sizes and different hardnesses for almost all machines on the market can be supplied.



Extra shiny and durable concrete floors.

Not only granite and marble floors are polished for a shiny, durable surface. Also common concrete floors can easily be ground and treated. The result is an appealing floor with an extremely strong surface, more easy to clean and suiting all kinds of buildings.

The grinding is done in several steps - the number of steps is depending on what result that is required, type of machine, the concrete quality, the floor area etc.

The preparation with chemicals makes the surface extra durable. The treatment is very simple to make. It usually takes place in the beginning or the end. Best result is achieved when both treatments are made. See last page for more information.

Removal of old coatings

There are many different types of coatings that need to be removed before the grinding can start, residues of adhesive and screed, paint, epoxy etc. The patented tool Barracuda has extremely high removal capacity and very long life.

Barracuda suits all machines but needs for the very hard coatings like epoxy some weight on the machine for an effective result.

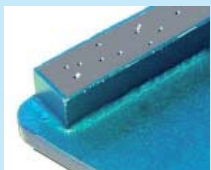
Barracuda is available in two different types - *Barracuda Light* for light weight machines and *Barracuda Max* for heavy machines or softer coatings.

As an alternativ for the very hard coatings like epoxy we can offer *Green 6* - a diamond disc with extremely coarse diamonds or tools with *Grit 14* - a somewhat finer grit with slower grinding but much longer life. See inside for more information about our range of floor grinding discs.

Two different quality levels

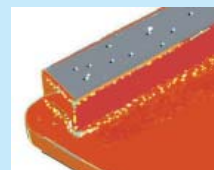
JM-Premium

Long life and high grinding speed. Is available with different grit sizes and hardnesses.
(JM-Premium Blue = normal hard disc)



JM-Standard

Shorter life but the same grinding speed as JM-Premium.
Only available as normal hard disc suited for the first grinding step.



Grit sizes and bond hardness

Our grinding discs can be supplied with all different *grit sizes*, from very coarse for rough removal to fine polishing. Grit size is also often called *Mesh*.

Also different *hardnesses* can be manufactured upon request depending on type of floor - concrete, terazzo or stone. Some types of concrete are very wearing, for example green concrete, and require specially hard discs.

Grit size:	Metal bond discs are available in the following Mesh sizes:
6 Mesh	Extremely coarse for the removal of old paint, adhesives remnants and other hard coatings.
14 Mesh	The first stage on concrete floors when the surface is very rough or uneven.
30 Mesh	The first stage in general for concrete floors. Also first stage for very rough or uneven terazzo.
50 Mesh	The first stage for rough or uneven terazzo or marble. Also the first stage for even concrete floors.
60 Mesh	The first step for terazzo or hard uneven marble. First stage for very rough granite. Removes scratches from stage with 14 Mesh.
120 Mesh	Removes scratches from stage with 30 and 50 Mesh. First step for worn or uneven marble. First stage for granite in general. First step for soft marble.
200 Mesh	The final stage for concrete floors when a smooth surface is required.
500 Mesh	Final step for terazzo and concrete when polished surface is required. For a highly polished surface continue with plastic bond discs with 200 grit. (Wet grinding is recommended.)
800 Mesh	Final step for marble when a polished surface is required. Wet grinding is recommended. Prepares for polishing granite floors with plastic resin discs - continue with plastic bond discs 400 grit.

We also have a range of **plastic bond** diamond tools for the polishing of natural stone, terazzo or concrete floors. These are available in grit sizes from 100 up to 3000. They work slower than a metal bond disc but leaves a finer, polished surface.

Hardness: All metal bond discs (except 6 grit) can be supplied in different hardnesses. See next page.

Marking: Each disc is marked with grit size punched in the steel and laquered in a colour according to scheme on next page.

Types and marking

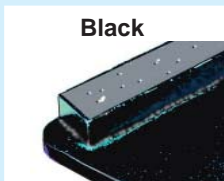
Different grit sizes

Diamond discs type JM-Premium are available for all machine types and with all grit sizes - everything from rough grinding to fine polishing. The grit size (Mesh) is engraved in every disc. If nothing else is specified with your order we always supply grinding discs for *normal grinding of concrete, first step*.



Different hardnesses The JM-Premium types are also available with different hardnesses for all floors.

Black



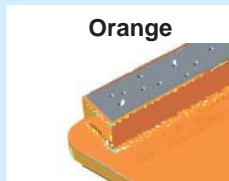
Abrasive or porous concrete

Blue



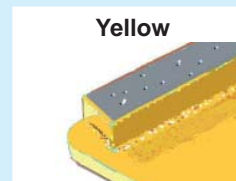
Normal or hard concrete
Marble, terrazzo

Orange



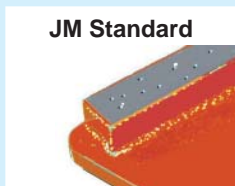
Very hard concrete
Granite

Yellow



Extremely hard concrete
Hard granite

JM Standard



For all machines there is also a standard quality available - with same grinding speed but shorter life. JM-Standard is normally only supplied in one feature - suited for *normal or hard concrete, first step* (laquered in a red color).

Removal of coatings

High performance

Barracuda Max



Suited for heavy machines or fairly soft materials. Extremely fast working and very long life.

High performance:

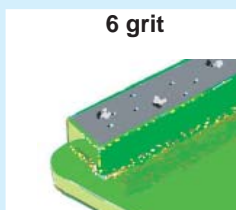
Barracuda Light



Suited for lighter machines, high rpm machines or fairly hard coatings. Extremely fast working and very long life.

Very hard coatings

6 grit



Suits all machines. For removing very hard coatings like epoxy, hard paint etc. Works fast in most hard materials.

Very hard coatings

14 grit



Suits all machines. For removing very hard coatings like epoxy, hard paint etc. Works slower than 6 grit but has much longer life.

Floor Grinding Tools

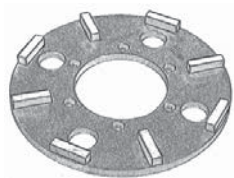
Type

Art. No

Price

Disc for Eibenstock EBS 235

Floor grinding



Disc Ø 235 mm with 8 diamond segments
50 (l) x 8 (b) x 10 (h) mm

JM-Premium 14 - 800 grit

1811XXX

JM-Standard (Red), 30 grit

18110030S



Quick-Shift - Suiting Eibenstock EBS 235

Floor grinding with quick changing system - Ask for details

Tools for Tremix

Floor grinding



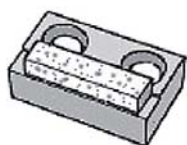
Disc with 14 diamond segments
50 (l) x 8 (b) x 10 (h) mm

JM-Premium for **Tremix**, 14 grit - 800 grit

0611XXX - -

JM-Standard (Red) for **Tremix**, 30 grit

0611030S



Set with 15 diamond segments
40 (l) x 10 (b) x 10 (h) mm (2 mm neutral zone).

JM-Premium, 14 grit - 800 grit

0423XXX - -

JM-Standard (Red), 30 grit

0423030S



Tool disc for **Tremix**

4330

In the art. no. instead of the "XXX" the grit size will be applied.

Floor Grinding Tools

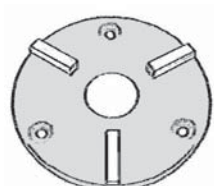
Type

Art. No.

Price

Tools for Combiflex 45, 450 etc.

Floor grinding



Sats med 3 st skivor med diamantsegment
40 (l) x 10 (b) x 10 (h) mm (2 mm neutral zon)

JM-Premium, 14 grit - 800 grit

2221XXX - -

JM-Standard (Red), 14 grit

222014S

Removal of hard coatings



6 Mesh tool set. Extremely coarse for the
removal of hard coatings, old paint etc.
Set of three discs with three segments on each

50 (l) x 8 (b) x 10 (h) mm, 6 grit

222006Green

Barracuda Light - Removal of thick coatings



For removal of different coatings.

Price for one disc with three PCD.

2123

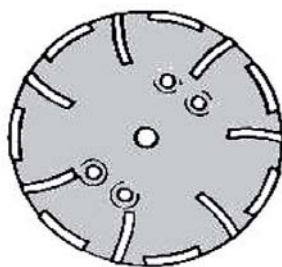


Quick-Shift - Suiting Combiflex machines

Floor grinding with quick changing system - Ask for details

Disc for Errut, Jitec, Hoff, Norton, Clipper etc.

Floor grinding



Disc Ø 250 mm with 14 st diamond segments
50 (l) x 8 (b) x 10 (h) mm

JM-Premium 14 - 800 grit

0211XXX - -

JM-Standard (Red), 30 grit

0211030S

In the art. no. instead of the "XXX" the grit size will be applied.

Floor Grinding Tools

Type

Article number

Price

Tools for HTC-Machines etc.

All tools below can also be supplied with a design adapted for a reversed rotations direction.

Floor grinding

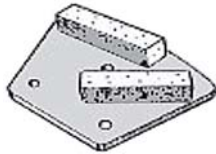


Plate with 2 segments on each
40 (l) x 10 (w) x 10 (h) mm
(2 mm neutral zone)

JM-Premium , 14 grit - 800 grit

1221XXX - -

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JM-Standard (Red), 14 grit

1221014S

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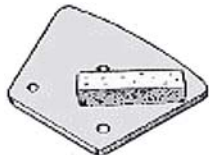


Plate with 1 segment on each
plate (for extremely hard floors)

JM-Premium, 14 grit - 800 grit

1121XXX - -

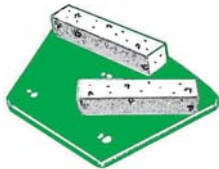
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JM-Standard (Red), 14 grit

1121014S

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Removal of coatings



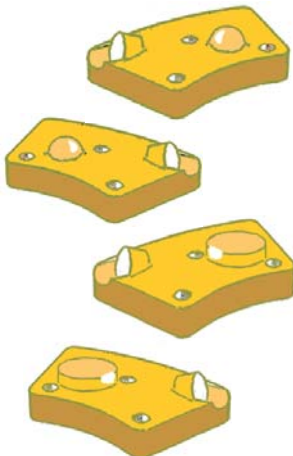
6 Mesh tool plate. Extremely coarse for
the removal of hard coatings, old paint etc.
Plate with 2 segments on each
50 (l) x 8 (w) x 10 (h) mm
(No neutral zone)

JM-Premium Green 6

1221006Green

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Barracuda - Removal of Coatings



Barracuda Max. For heavy machines or
fairly soft coatings like carpet remnants etc.

One plate (Left)

2128

--

One plate (Right)

2124

--

Barracuda Light. For less heavy machines or
hard coatings like epoxi, adhesiv remnants etc.

One plate (Left)

2127

--

One plate (Right)

2130

--

Barracuda can be adapted to fit most other machines.
Contact us for information.

In the art. no. instead of the "XXX" the grit size will be applied.

Diamond Tools and Machines for the Construction Industry

Fine Grinding and Polishing

Phenolic plastic bond diamond tools



PLPH Ø 45 mm

Application: Fine grinding and polishing of natural stone materials as granite, marble, terazzo etc. Also for polishing hard concrete. Wet use.

Performance: Effective grinding and polishing. Long life.

Features: Phenolic bond diamonds. Available in grit sizes up to Mesh 3000. Diameter 45 mm. Height of diamond coating 5 mm. Velcro QRS backing for the attachment together with a pin for the fixation. Contact us for further assistance with the adaptation to different machines.

Mesh	Color	Article number	Price
60	Brown	PLPH0060	240:--
100	Black	PLPH0100	240:--
200	Blue	PLPH0200	240:--
400	Red	PLPH 0400	240:--
800	Green	PLPH0800	240:--
1500	Light green	PLPH1500	240:--
3000	Orange	PLPH3000	240:--

Diamond Core Drills, Segments and Retipping Equipment

In Sweden the consumption of diamond core drilling tools is higher than most other countries and at Jack Midhage AB we have a long and wide experience in this working field. Our range of core drill tools, segments and accessories cover all different possible situations - in this catalogue we show only a part of it. Together with Midhage Diatip AB we can offer also the equipment and the accessories for a successful retipping of diamond core bits. Feel free to contact us for further information.

Hand held drilling in concrete and masonry

Concrete is a very hard material and difficult to penetrate. Also many brick materials can be very hard. In general, when drilling in these materials it is necessary to use a powerful machine, supply of cooling water and a steadyfast drilling rig. However lately, hand held drilling has become more common. This can only be performed if the circumstances are right - small diameter holes (up to maybe Ø 60 mm in concrete), no steel bars in the way and a good working tool.



Support for hand held drilling

When drilling without a rig the drill can be guided with the pilot drill or with the aid of a board with a hole in same diameter as the intended hole or with a V cut out as a simple support.



Diamond segments in all our qualities for your own retipping, see page 4.13



Diamond Core Drills

Our different quality and price levels

ZENESIS® edition Q 1-1/4"

New



Concrete, masonry
Extreme long life and
extreme drilling speed
Thread: 1-1/4" or CRI-28
Ø: 52 mm -

RT-4 1-1/4"



Concrete, masonry
Long life and very high
drilling speed
Thread: 1-1/4" or CRI-28
Ø: 52 mm -

ZENESIS® edition Q 1/2"

New



Concrete, masonry
Very long life and extreme
drilling speed.
Thread: 1/2"
Ø: 52 - 151 mm

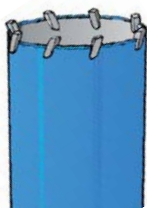
TV-1 Virage 1/2"

New



Concrete, masonry, stone
Very long life and very high
drilling speed.
Thread: 1/2"
Ø: 10 - 126 mm

TCT Drills 1/2" and 1-1/4"



Wood, aerated concrete, soft
bricks and similar
Thread: 1/2" or 1-1/4"
Ø: 32 mm -

Dosensenker, Installations



Masonry, aerated concrete,
concrete
Thread: Shaft or SDS+
Ø: 32 - 110 mm

Tile Drills With shaft



Tiles, ceramics, stone slabs
Thread: Shaft
Ø: 20 - 120 mm

Tile Drills Small holes



Tiles, ceramics, stone slabs
Thread: Shaft
Ø: 4 - 10 mm

Tile Drills For angle grinder

New



Tiles, ceramics, stone slabs
Thread: M14
Ø: 14 - 105 mm

Core Drill Segments

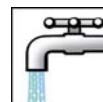


Diamond segments for
reinforced concrete and for
stone.

Diamond Core Drills **ZENESIS®**

3D Positioning

ZENESIS®



New

edition Q



Diamond core bit with segments produced with the unique Zenesis technology giving extreme drilling speed together with extreme life time.

- Application:** Drilling in all kinds of concrete, armed concrete and masonry. Adapted for machines with 1-1/4" or CRI 28 thread. Wet use.
- Performance:** Extremely high drilling speed and extremely long life. Very good in steel reinforcement.
- Features:** Segment height 10 mm with 1,5 mm neutral zone. 3D positioned segments.

UNC 1-1/4" or CRI 28

Diameter mm	No of segments	Segment-width	Segment-length	Article number (CRI 28)	Price	Retipping Price
52	5	3,5	24	ZS10510		
62	6	3,5	24	ZS10620		
72	6	3,5	24	ZS10720		
82	7	3,5	24	ZS10820		
92	7	3,5	24	ZS10920		
102	9	3,5	24	ZS11020		
112	9	3,5	24	ZS11120		
122	10	3,5	24	ZS11220		
127	10	3,5	24	ZS11270		
132	10	4,0	24	ZS11320		
138	11	4,0	24	ZS11380		
142	11	4,0	24	ZS11420		
152	12	4,0	24	ZS11520		
162	13	4,0	24	ZS11620		
172	13	4,0	24	ZS11700		
182	13	4,0	24	ZS11800		
186	13	4,0	24	ZS11860		
200	14	4,0	24	ZS12000		
210	15	4,0	24	ZS12100		
226	16	4,0	24	ZS12260		
250	17	4,5	24	ZS12500		
275	18	4,5	24	ZS12750		
300	19	4,5	24	ZS13000		
311	19	4,5	24	ZS13120		
325	20	4,5	24	ZS13250		
341	20	4,5	24	ZS13410		
350	22	4,5	24	ZS13500		
400	24	4,5	24	ZS14000		
450	26	4,5	24	ZS14500		
500	28	5,0	24	ZS15000		
550	30	5,0	24	ZS15500		
600	32	5,0	24	ZS16000		

Diamond Core Drills RT-4



RT-4

- Application:** Drilling in all kinds of concrete, armed concrete and masonry. Can be supplied with 1-1/4", CRI 28. Wet use.
- Performance:** Very high drilling speed and long life. Very good in steel reinforcement. (Lower drilling speed in machines with low power but very long life.)
- Features:** "RoofTop-segments" - facilitates the start of the drilling. Segment height of 11 mm whereof 1,5 mm is a neutral zone.

UNC 1-1/4"

Ø mm	Number of segments	Segment-width	Segment-length	Article-number	Price	Retipping Price
52	5	3,5	24	CSRT410510		
62	6	3,5	24	CSRT410620		
72	6	3,5	24	CSRT410720		
82	7	3,5	24	CSRT410820		
92	7	3,5	24	CSRT410920		
102	9	3,5	24	CSRT411020		
112	9	3,5	24	CSRT411120		
122	10	3,5	24	CSRT411220		
127	10	3,5	24	CSRT411270		
132	10	3,5	24	CSRT411320		
138	11	3,5	24	CSRT411380		
142	11	3,5	24	CSRT411420		
152	12	4,0	24	CSRT411520		
162	13	4,0	24	CSRT411620		
170	13	4,0	24	CSRT411700		
180	13	4,0	24	CSRT411800		
186	13	4,0	24	CSRT411860		
200	14	4,0	24	CSRT412000		
210	15	4,0	24	CSRT412100		
226	16	4,0	24	CSRT412260		
250	17	4,5	24	CSRT412500		
275	18	4,5	24	CSRT412750		
300	19	4,5	24	CSRT413000		
311	19	4,5	24	CSRT413110		
325	20	4,5	24	CSRT413250		
341	20	4,5	24	CSRT413410		
350	22	4,5	24	CSRT413500		
400	24	4,5	24	CSRT414000		
450	26	4,5	24	CSRT414500		
500	28	4,5	24	CSRT415000		
550	30	5,0	24	CSRT415500		
600	32	5,0	24	CSRT416000		

1/2" Diamond Core Drills

ZENESIS®

3D Positioning

ZENESIS®
edition Q**New**

Application: Drilling in all kinds of concrete, armed concrete and masonry. Adapted for machines with low power and 1/2" thread. Wet use.

Performance: Extremely high drilling speed and very long life. Very good in steel reinforcement.

Features: Thin wall drills with thinner segment thickness. 3D positioned segments. Height 10 mm with 1,5 mm neutral zone. 1/2" thread.

1/2"

Diam mm	No of segment	Segment-width	Article number	Price	Article-number	Retipping Price
51	5	2,4	ZSTV120510		ZSTV120511	
61	6	2,4	ZSTV120610		ZSTV120611	
71	6	2,4	ZSTV120710		ZSTV120711	
81	7	2,4	ZSTV120810		ZSTV120811	
91	7	2,4	ZSTV120910		ZSTV120911	
101	9	2,4	ZSTV121010		ZSTV121011	
106	9	2,4	ZSTV121060		ZSTV121061	
111	10	2,4	ZSTV121110		ZSTV121111	
121	10	2,4	ZSTV121210		ZSTV121211	
126	10	2,4	ZSTV121260		ZSTV121261	
131	11	2,4	ZSTV121310		ZSTV121311	
138	11	2,4	ZSTV121380		ZSTV121381	
141	12	2,4	ZSTV121410		ZSTV121411	



1/2" Diamond Core Drills TV-1 Virage

New



TV-1 Virage



Application: Drilling in all kinds of concrete, armed concrete and masonry. Adapted for machines with low power and 1/2" thread. Wet use.

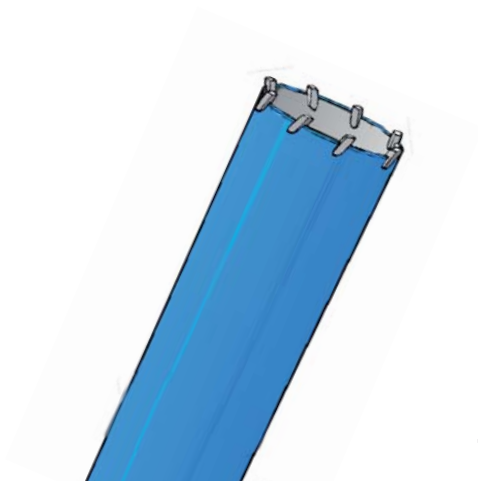
Performance: Very high drilling speed and very long life. Very good in steel reinforcement. Also good for granite.

Features: Thin wall drills with thinner segment thickness. Height 10 mm with 1,5 mm neutral zone. 1/2" thread.

1/2"

Diam mm	No of segment	Segment-width	Article number	Price	Article-number	Retipping Price
10	Ring	2,0	CR4520100V		CR4520101V	
12	Ring	2,0	CR4520120V		CR4520121V	
14	Ring	2,0	CR4520140V		CR4520141V	
16	Ring	2,0	CR4520160V		CR4520161V	
18	Ring	2,5	CR4520180V		CR4520181V	
20	Ring	2,5	CR4520200V		CR4520201V	
22	Ring	2,5	CR4520220V		CR4520221V	
24	Ring	2,5	CR4520240V		CR4520241V	
26	Ring	2,5	CR4520260V		CR4520261V	
28	Ring	2,5	CR4520280V		CR4520281V	
30	Ring	2,5	CR4520300V		CR4520301V	
32	Ring	2,5	CR4520320V		CR4520321V	
35	Ring	2,5	CR4520350V		CR4520351V	
40	Ring	2,5	CR4520400V		CR4520401V	
42	Ring	3,0	CR4520420V		CR4520421V	
51	5	2,5	CSTV120510		CSTV120511	
61	6	2,5	CSTV120610		CSTV120611	
71	6	2,5	CSTV120710		CSTV120711	
81	7	2,5	CSTV120810		CSTV120811	
91	7	2,5	CSTV120910		CSTV120911	
101	9	2,5	CSTV121010		CSTV121011	
106	9	2,5	CSTV121060		CSTV121061	
111	10	2,5	CSTV121110		CSTV121111	
121	10	2,5	CSTV121210		CSTV121211	
126	10	2,5	CSTV121260		CSTV121261	
131	11	2,5	CSTV121310		CSTV121311	
141	12	2,5	CSTV121410		CSTV121411	
151	12	2,5	CSTV121510		CSTV121511	

TCT Core Drill



Tungsten Carbide Tipped core Drills

- Application:** Dry drilling in wood, aerated concrete, soft masonry and similar. For use in core drilling machines - not hand held. Wet use possible.
- Performance:** High drilling speed (but short life). May be sharpened by a diamond sharpening wheel.
- Features:** Core steel tube with TC-teeth. 1/2", 1-1/4" or CRI 28 thread. Standard lengths.

1/2" or 1-1/4" or CRI 28

Diam mm	No of teeth	Article number	Price	Retipping price
32	4	10X0320		
37	4	10X0370		
42	4	10X0420		
52	5	10X0520		
62	5	10X0620		
72	5	10X0720		
82	6	10X0820		
92	6	10X0920		
102	7	10X1020		
112	7	10X1120		
127	8	10X1270		
142	9	10X1420		
152	10	10X1520		
162	10	10X1620		
172	11	10X1700		
182	12	10X1800		
200	13	10X2000		
225	15	10X2250		
250	17	10X2500		
275	18	10X2750		
300	20	10X3000		
350	22	10X3500		
400	24	10X4000		
450	26	10X4500		
500	28	10X5000		

Also other diameters available

Dry Diamond Core Drills

For hand held machines



Dosensenker

- Application:** Drilling of holes for electrical fittings etc. in masonry. Also concrete possible. Dry use.
- Machines:** Drillhammers etc. (Minimum 1,2 kW)
- Performance:** Fast drilling in masonry.
- Feature:** Laser welded segments. M 16 thread. Usable core length 85 mm. To be supplemented with a pilot drill and a shaft, see next page.

Diameter mm	No	Segment length	height	Article number	Price
68	9	10	7 (6+1)	8000068	
73	10	10	7 (6+1)	8000073	
82	9	12	7 (6+1)	8000082	
102	10	12	7 (6+1)	8000102	



Installation Drills

- Application:** Drilling of holes for pipes etc. in masonry. Also concrete possible. Dry use.
- Machines:** Drillhammers etc. (Minimum 1,2 kW)
- Performance:** Fast drilling in masonry.
- Feature:** Laser welded segments. M 16 thread. Usable core length 150 mm. To be supplemented with pilot drill and a shaft, see next page.

Diameter mm	No	Segment length	height	Article number	Price
32	3	16	7 (5,5+1,5)	8100032	
47	4	16	7 (5,5+1,5)	8100047	
52	3	24	7 (5,5+1,5)	8100052	
62	3	24	7 (5,5+1,5)	8100062	
67	3	24	7 (5,5+1,5)	8100067	
107	4	24	7 (5,5+1,5)	8100107	

Dry Diamond Core Drills

Accessories

Pilot drills and shafts



Designation	Art. No.	Price
Pilot drill for Dosensenker and connection with SDS+ shaft	80006	
Pilot drill for Dosensenker and connection with hexagon shaft	80005	
Pilot drill, 200 mm, for installation drills	10501933	

Instructions

Avoid reinforcement bars. Use a metal detector.

Make sure that the drill does not get overheated. Check regularly and clear away slugs frequently.

Ideal drilling speed is 1000 - 2000 rpm. (The greater diameter the slower the speed).

Do not use the percussion function on the machine. Percussion function may be used temporary to improve penetration speed but reduces the life time and increases the risk for damages on the drill.

First drill a small hole so the pilot drill can guide the core drill. Then mount the core drill. When the core drill has started to find track in the material remove the pilot drill from the holder and continue the drilling.

When deeper holes are required drill in two or more steps. After drilling as far as you can, remove the core by breaking it, use the extended connection (art. no. 80006L) and then carry on drilling.

Pay highest attention when hand held drilling is performed. The drill bit may easily get stuck in the material and the drill motor will then be struck out of your hands.

Wear protection goggles and ear protection. Dry drilling produces much dust. Use a vacuum suction to collect the dust and a breathing mask.

Drills for Tiles

For larger holes. With detachable pilot drill.



Type HTD-H (Ø 20 - 120 mm)

- Application: Drilling of holes in cermaics, tiles, granite and marble slabs etc. Dry or wet use.
- Machines: Powerful drilling machines.
- Performance: Fast penetration, long life and fine surface.
- Feature: Segment ring with saw tooth diamond plating. Hexagon shaft and detachable pilot drill. The pre-mounted drill is suitable for drilling with percussion function in solid material. In ceramics the Cordless drill below is recommended (Ø 6 mm).

Diameter mm	Article number	Price	Instructions
20	912020		Dry or wet use
30	912030		
40	912040		
50	912050		
65	912065		
75	912075		
80	912080		
100	912100		
120	912120		

Small holes in tiles



Type Cordless (Ø 4 - 12 mm)

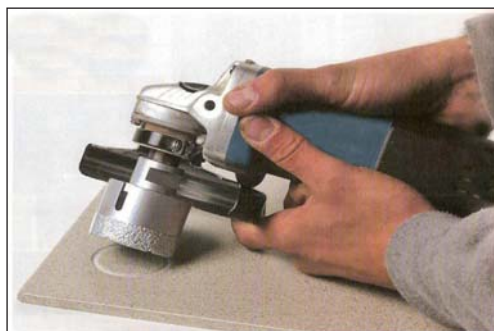
- Application: Drilling in ceramic materials (also very hard), soft natural stones. Dry use.
- Machines: Drilling machines with shaft connection. Do not use percussion function.
- Rotation speed: Avoid the highest drilling speed.
- Performance: Penetrates very fast
- Features: Carbide tips.

Diameter mm	Article number	Price	Instructions
4	10501921		--
5	10501922		--
6	10501925		--
8	10501932		Pre-drill with a Ø 4 mm drill
10	10501934		Pre-drill with a Ø 4 mm drill

Drills for Tiles

New

For use in an angle grinder. Fast and easy.



Typ BSL (Ø 14 - 105 mm)



- Application:** Drilling in ceramic materials (also very hard), soft natural stones. Dry use.
- Machines:** Angle grinders and similar.
- Performance:** Penetrates very fast. Low precision. Lifetime approx. 50 - 100 tile slabs.
- Features:** Vacuum brazed diamonds. M 14 thread. Core length 35 mm.

Ø mm	Width mm	Art.No.	Price
14	2,5	913014	
16	2,5	913016	
20	3,5	913020	
27	3,5	913027	
32	3,5	913032	
38	3,5	913038	
45	3,5	913045	

Ø mm	Width mm	Art.No.	Price
50	3,5	913050	
55	3,5	913055	
68	3,5	913068	
75	3,5	913075	
83	3,5	913083	
105	3,5	913105	

Instructions type BSL

Start the angle grinder and put it obliquely to the material. When the drill has found a track start working with the drill up and down in circular movements in the hole. This is important to avoid overheating.

Cooling water can be added during the drilling.
When the hole is done cool the drill by dipping it in water.
Use protective goggles.

Accessories - Adapters

Adapters



Machine - Drill	Art.No.	Price
1 1/4" - CRI 28	010301	
1 1/4" - 1/2"	010302	
1/2" - CRI 28	010201	
1/2" - 1 1/4"	010203	
CRI 28 - 1/2"	010102	
CRI 28 - 1 1/4"	010103	
SDS+ - 1/2"-20 UNF	205000	
SDS Max - 1/2"-20 UNF	206000	
1/2" - 1/2"-20 UNF	202000	
5/8" - 28 UNF - 1/2"-20 UNF	208000	
13 mm hexagon - 1/2"-20 UNF	210000	
M16 - 1/2"-20 UNF	216000	
13 mm hexagon - 1/2" R	210120	
SDS+ - 1/2" R	205020	
1/2" 20 UNF int. - 1/2" R	208020	
M16 int. - 1/2" R	216020	

Diamond Segments

Diamond segments for reinforced concrete



Standard segments	Type	Width mm	Price
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ZENESIS®

Absolute top class segments manufactured with the unique patented Zenesis technology which gives an extreme penetration speed together with an extremely long life time. Segment height 10 mm with 1,5 mm neutral zone. Segment length 24 mm.

3,5 mm
4,0 mm
4,5 mm
5,0 mm



RT-4

Top quality segment with a "Roof-Top" design. Extreme penetration speed and very long life. Segment height 11 mm with 1,5 mm zone without diamonds. Segment length 24 mm.

3,5 mm
4,0 mm
4,5 mm
5,0 mm



GR6

Top quality segment for granite and other natural stone. Segment height 10 mm with 1,5 mm neutral zone.

3,0 mm
3,5 mm
4,0 mm

Thin segments	Type	Width mm	Price
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TV-1 Virage

Top quality segment suited for low power machines. Extreme penetration speed and very long life when used in low power machines. Segment height 10 mm with 1,5 mm neutral zone.

3,0 mm

Brazing Magnets and Silver

Accessories for Retipping

Designation

Art. No.

Price



Magnets for the fixation of segments during the brazing



JM Magnets

Type A. With 0,75 mm and 1,0 mm side clearances.
The most frequently used - suits diameters from
70 mm up to 200 mm

201000

Type B. With 0,5 mm and 1,25 mm side clearances.
For the smallest and the largest diameters.

201010

Superstrong-Flux-Magnet

Each magnet has four different side clearances. Extra
strong magnet with a longer life compared to the
JM Magnets above.

0,5 mm/ 0,75 mm/ 1,0 mm and 1,25 mm

450125

Silver and Flux



Silver Rods, Cadmium free. Length 500 mm.
125 pcs/ kg. (enough for 1500 - 2000 segments).
(Price depending on current market price.)

1 kg 45% silver

200206

1 kg 55% silver

200202

Flux, paste brown. H-special

Price for 1/2 kg.

200205

Retipping Equipment

For retipping core bits



CD 7-28

Can also be equipped with a hydraulic motor



CD 600

- Fast and easy to operate. Works without electricity - no noise, no sparks or scrap.
- Cuts seats for the segments. The seats give support during the brazing and eliminates the risk for segment losses during drilling.
- Chose any number of segments - perfect segment division with the indexing disc.

Retipping equipment technical data:

CD 600

Cuts drill bits from Ø 55 mm up to Ø 600 mm. Optional accessories are matrices for bits from Ø 40 mm.

Maximum bit length 700 mm. Optional accessory is an extension column for bits up to 1.5 m.

Thread: UNC 1-1/4" or CRI 28
Segment no: 4 - 34 pcs (or more)
Weight: 32 kg
Dimensions: 640 x 460 x 380 mm

CD 7-28

Cuts drill bits from Ø 55 mm up to Ø 700 mm. Optional accessories are matrices for bits from Ø 40 mm and extensions for diameters up to 1.0 m.

Maximum bit length 700 mm. Optional accessory are extension columns for bits up to 1.2 m or more.

Thread: UNC 1-1/4" or CRI 28
Segment no: 4 - 34 pcs (or more)
Weight: 48 kg
Dimensions: 920 x 530 x 380 mm

Designation

Art. No.

Price

Retipping equipment CD 600

192460

Retipping equipment CD 7-28 Manual

190007

Retipping equipment CD 7-28 Hydraulic

190020

Retipping Equipment

Auxillaries for CD 7-28 and CD 600

Designation

Art. No.

Price

Cutting tools



Matrices for core bits from Ø 55 mm (inner 48 mm) and up. (A1)

For segment length 20 mm	550520
For segment length 24 mm	550524
For segment length 1" (25,4 mm)	550525



Matrices for core bits Ø 50 mm (inner 40 mm) up to Ø 70 mm. (A3)

For segment length 20 mm	500520
For segment length 24 mm	500524



Matrices for core bits from Ø 35 mm (inner diameter 31 mm) up to Ø 60 mm. (A2)

For segment length 16 mm	350516
For segment length 20 mm	350520

Knives



Knife for 16 mm segment	800516
Knife for 20 mm segment	800520
Knife for 24 mm segment	800524
Knife for 25,4 mm segment	800525



Knife for the old Columbi model. State segment length.	(Varying)
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Extensions



Extensions for CD 7-28 types:

Extension of height +450 mm	191040
Extension of diameter + Ø 300 mm	191000

Extensions for CD 600:

Extension of height + 900 mm (Also suiting the old Columbi types)	191004
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