Diamond tools for construction and stone 2025-2026

Complete construction and stone programme: dimensions, product codes, application selection and safe tool use.



EHWA Europe GmbH

www.ehwadia.de

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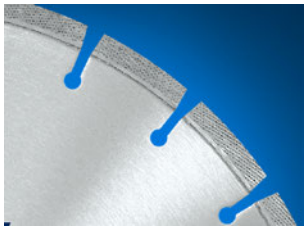
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Diamond tools for construction and stone 2025-2026

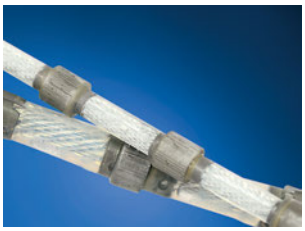
From cutting and core drilling on site to calibrating, profiling and polishing natural and engineered stone, EHWA offers an application-matched diamond tool programme. Supreme, Premium, Standard, Economy and Super Economy grades support selection for different materials and machines.



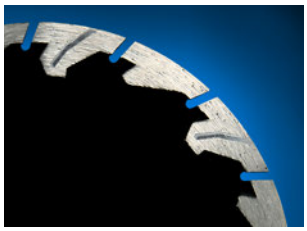
Diamond tools for construction and stone 2025-2026 - Product view



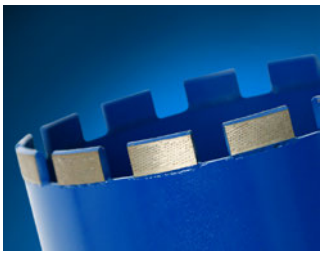
Diamond tools for construction and stone 2025-2026 - Product view



Diamond tools for construction and stone 2025-2026 - Product view



Diamond tools for construction and stone 2025-2026 - Product view



Diamond tools for construction and stone 2025-2026 - Product view

Manufacturing, development and international presence

Korean sites: Osan (headquarters), Osan 2, Dongtan (research and development), Pyeongtaek and Cheongju.

International manufacturing and sales: Shanghai, Weihai and Fujian (China); Jakarta (Indonesia); Bac Ninh and Hai Duong (Vietnam); Irvine (affiliate) and Alabama (USA); Nagoya (Japan); Bangkok (Thailand); Frankfurt (Germany); Chennai (India); Monterrey (Mexico); Massa (Italy).



Manufacturing, development and international presence - Product view



Osan, headquarters



Osan 2



Pyeongtaek



Cheongju



Dongtan, research and development



Irvine, affiliate



Nagoya



Frankfurt



Chennai



Monterrey



Bangkok



Shanghai



Weihai


Jakarta


Bac Ninh


Hai Duong


Fujian


Massa


Alabama

EHWA since 1975

Since 1975, EHWA has developed long-term customer partnerships across industries. Continuous product development and personal service support tool selection and the improvement of industrial processes. The programme covers construction and stone including mining; electronics for semiconductor, display, solar and LED applications; and precision machining for automotive production, tool grinding, optics and glass, machine components and aerospace.

Year	Milestone
1975	Established in Seoul
1981	Exports to the USA
1985	Headquarters and manufacturing moved to Osan
1988	R&D centre established
1993	ISO 9001 through TÜV Germany; manufacturing in Fujian
1995	Sales in Japan; Gold Industrial Medal at National Trade Day
1997	Manufacturing in Weihai
2000	Presidential Award for Productivity
2002	Manufacturing in Shanghai
2003	oSa certification
2004	Sales in Germany

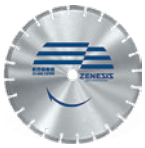
Year	Milestone
2008	Presidential Award for $100 million in exports
2011	Selected in the first round of the government World Class 300 programme
2012	Manufacturing in Jakarta
2013	R&D and new business in Dongtan; subsidiary in India
2015	Subsidiaries in Mexico and Italy
2016	KOSHA 18001 for occupational safety and health
2017	Manufacturing in Bac Ninh and Hai Duong, Vietnam
2020	Time-honoured business designation by the Ministry of SMEs and Startups
2021	Subsidiary in Alabama, USA
2022	ISO 45001 through TÜV Germany
2024	Selected by the Korean government as a SOBUJANG Leading Company for materials, parts and equipment



EHWA since 1975 - Product view



EHWA since 1975 - Product view



EHWA since 1975 - Product view

Quality, markings and selection

The illustrated quality records document their respective dates: ISO 9001:2015 and ISO 14001:2015 valid from 2020-02-24 to 2023-02-23, and the oSa membership certificate for 2022. EHWA also appears in the oSa member list dated June 2026. The marking of the individual tool remains authoritative for its use.

Application ratings: 5 indicates best suitability, 3 good suitability, 1 acceptable suitability and 0 not recommended; 4 and 2 are the intermediate levels. Ratings support selection within the relevant tool group. Blank product-code or dimension entries mean that no version is listed there. Supreme = Sup, Premium = Pre, Standard = Std, Economy = Eco, Super Economy = Seco.

Dimensions are in mm unless another unit is stated. Inch sizes and corresponding nominal metric sizes are listed as offered in the range. Maximum operating speeds in m/s are not universal rpm settings. Observe tool markings, machine compatibility and the following safety guidance.

Machine symbols: wall saw, floor saw, construction/stone wire saw, stone wire saw, table saw, tile saw, bridge saw, hand-held saw, ring saw, angle grinder, circular saw, wall chaser, core drill rig and motor, hand-held core drill, drill, floor grinder, block saw, polishing machine, CNC machine and edge polishing machine. Wet/dry markings, the laser-welding symbol and personal protective equipment icons including eye, respiratory, hearing and hand protection explain the intended use.

Reading example: wall saw selection

The reading example rates Standard Normal 40 for light reinforcement with soft aggregate/brick as 2, while the wall saw product matrix lists 3. We will clarify the appropriate version for this specific selection.

Product codes by machine power

Application	Type	Product code
Under 10 kW	Supreme / Zenesis U-shape 40	RUZWL
Under 10 kW	Supreme / Zenesis short 24	RUZWL(24)
Under 10 kW	Premium / U-shape 40	RPLWL
Under 10 kW	Premium / Short 24	RPLWL(24)
Under 10 kW	Standard / Normal 40	RSLWL
Under 10 kW	Standard / Short 24	RSLWL(24)
Under 10 kW	Economy / Short 24	REHWL(24)
10 ~ 15 kW	Supreme / Zenesis U-shape 40	RUZWM
10 ~ 15 kW	Supreme / Zenesis short 24	RUZWM(24)
10 ~ 15 kW	Premium / U-shape 40	RPLWM
10 ~ 15 kW	Premium / Short 24	RPLWM(24)
10 ~ 15 kW	Standard / Normal 40	RSLWM
10 ~ 15 kW	Standard / Short 24	RSLWM(24)
10 ~ 15 kW	Economy / Short 24	REHWM(24)
Over 25 kW	Supreme / Zenesis U-shape 40	RUZWH
Over 25 kW	Supreme / Zenesis short 24	RUZWH(24)
Over 25 kW	Premium / U-shape 40	RPLWH
Over 25 kW	Premium / Short 24	RPLWH(24)
Over 25 kW	Standard / Normal 40	RSLWH
Over 25 kW	Standard / Short 24	RSLWH(24)
Over 25 kW	Economy / Short 24	REHWH(24)

Ratings refer to the displayed version groups. Select the corresponding product code for the machine power.

Application ratings

Material	RUZWL	RUZWL(24)	RPLWL	RPLWL(24)
Heavily reinforced with hard aggregate	5	5	4	4
Moderately reinforced with medium aggregate	5	5	4	4
Lightly reinforced with soft aggregate, brick	5	4	4	3

Material	RSLWL	RSLWL(24)	REHWL(24)
Heavily reinforced with hard aggregate	2	3	1
Moderately reinforced with medium aggregate	3	3	2
Lightly reinforced with soft aggregate, brick	2	2	1


CERTIFICATE

The Certification Body of TÜV SÜD Asia Pacific TÜV SÜD Group certifies that

EHWA

has established and applies a Quality and Environmental Management System for

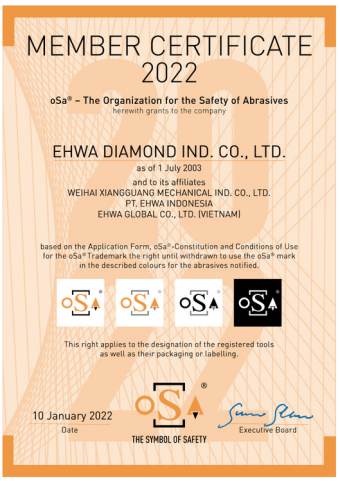
An audit was performed, Report No. 74956014
Proof has been furnished that the requirements according to
ISO 9001:2015 / ISO 14001:2015

has established and applies a Quality Management System for

An audit was performed, Report No. 74956014
Proof has been furnished that the requirements according to
ISO 9001:2015
are fulfilled and the integration system is controlled by EHWA(HQ).

The certificate is valid from 2020-02-24 until 2023-02-23
Certificate Registration No.: TUV108 01 0412 / TUV104 01 0412
2020-02-19

ISO 9001:2015 / ISO 14001:2015: certificate valid 2020-02-24 to 2023-02-23.


MEMBER CERTIFICATE
2022

oSa® – The Organization for the Safety of Abrasives
herewith grants to the company

EHWA DIAMOND IND. CO., LTD.
as of 1 July 2003
and to its affiliates
WEIHAI XIANGGUANG MECHANICAL IND. CO., LTD.
PT. EHWA INDONESIA
EHWA GLOBAL CO., LTD. (VIETNAM)

based on the Application Form, oSa®-Constitution and Conditions of Use for the oSa® Trademark the right until withdrawn to use the oSa® mark in the described colours for the abrasives notified.

This right applies to the designation of the registered tools as well as their packaging or labelling.

10 January 2022
Date

THE SYMBOL OF SAFETY

Executive Board

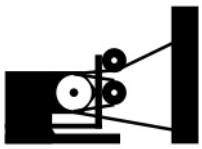
oSa membership certificate 2022.



Machine symbol: Wall saw



Machine symbol: Floor saw



Machine symbol: Wire saw for construction



Machine symbol: Wire saw for stone



Machine symbol: Table saw



Machine symbol: Tile saw



Machine symbol: Bridge saw



Machine symbol: Hand-held saw



Machine symbol: Ring saw



Machine symbol: Angle grinder



Machine symbol: Circular saw



Machine symbol: Wall chaser



Machine symbol: Core drill rig



Machine symbol: Hand-held core drill



Machine symbol: Drill



Machine symbol: Floor grinder



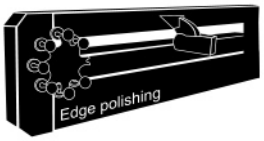
Machine symbol: Block saw



Machine symbol: Polishing machine



Machine symbol: CNC machine



Machine symbol: Edge polishing machine



Marking: Dry use



Marking: Wet use



Marking: Laser welded



Marking: Caution



Marking: Eye protection



Marking: Respiratory protection



Marking: Hearing protection



Marking: Hand protection

Reading application ratings

5	Best suitability	●●●●●
4	Intermediate level	●●●●○
3	Good suitability	●●●○○
2	Intermediate level	●●○○○
1	Acceptable suitability	●○○○○
0	Not recommended	○○○○○

The number represents the rating level within the respective tool group.

Reading application ratings

Safety when using diamond cut-off wheels

Choose tools bearing the oSa mark to support selection of tested abrasive tools and help avoid accidents caused by unsafe abrasives. The following rules apply to handling diamond cut-off wheels.

Never

- Never allow untrained persons to handle, store, mount or use diamond saws.
- Never mount or remove a diamond saw while the machine is connected to its power source.
- Never use a diamond saw with illegible or missing markings.
- Never mount a diamond saw on a machine running faster than the saw's maximum operating speed, or on a machine without a marked spindle speed.
- Never use a diamond saw to cut metal unless specifically designed to do so.

• Never use a diamond saw that has been dropped, damaged or improperly stored.

• Never force a diamond saw onto the machine spindle, use a saw with an oversized bore, or alter the bore size.

• Never use drive pins or blotters to mount diamond saws on hand-held machines.

• Never overtighten the mounting device or use a hammer or extension bar.

• Never use damaged, dirty or distorted flanges or fastening screws.

• Never use a machine that is in poor condition or has a damaged guard.

• Never start the machine before the guard has been refitted, secured and correctly adjusted.

• Never stand in line with the diamond saw when starting the machine.

• Never start the machine with the diamond saw in contact with the workpiece or another object.

• Never work from a ladder or where you do not have full control of the machine.

• Never force the diamond saw to cut or allow it to overheat.

• Never use diamond cut-off wheels to cut curves, turn in the cut or grind.

• Never allow the diamond saw to bounce, become trapped or pinched in the cut.

• Never stop the diamond saw by applying pressure to its surface or put the machine down while it is still running.

• Never allow coolant to run onto a stationary diamond saw or leave the machine running unattended.

• Never re-tip a diamond saw unless it is specifically intended for re-tipping.

• Never use a hand-held machine for dry cutting unless it is specifically authorised for that use.

Always

• Always observe the safety recommendations of the machine and diamond saw manufacturer.

• Always handle diamond saws with care.

• Always keep the work area well lit, clean and tidy; avoid slippery and uneven floors and ice or snow.

• Always protect other workers nearby and passers-by from sparks and debris.

• Always store diamond saws fully supported flat or hang them on a peg or rack, with light lubrication.

• Always inspect for damage, including core cracks and missing or deformed segments.

• Always select the correct diamond saw for the application and ensure its markings are legible.

• Always use the correct tools when mounting or removing a diamond saw.

• Always observe the marked direction of rotation.

• Always ensure mounting flanges are matched pairs, clean, burr-free and undistorted.

• Always provide sufficient coolant to both sides of the diamond saw for wet cutting.

• Always ensure the workpiece is securely supported or clamped so that it cannot move during cutting.

• Always ensure guards are in place and correctly adjusted so that they do not foul the diamond saw.

• Always rotate the diamond saw by hand, with power disconnected, to check that it runs true and freely before switching on.

• Always wear suitable personal protective equipment, including eye, hearing and respiratory protection, gloves and protective clothing.

• Always observe the operating speed recommended by the diamond saw or machine manufacturer.

• Always run the diamond saw for at least 30 seconds at maximum permitted operating speed after mounting or remounting; observe both wheel and machine limits.

• Always ensure true, vibration-free running and check frequently for undercutting or loss of tension.

• Always allow the diamond saw to come to rest naturally after switching off.

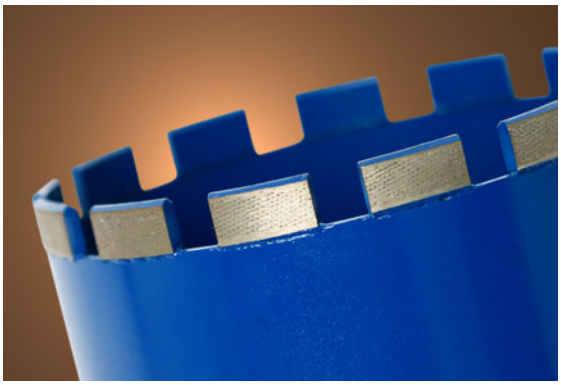
• Always check machine spindle speed periodically with a tachometer.

• Always remove the diamond saw before transporting or storing portable and mobile machines.

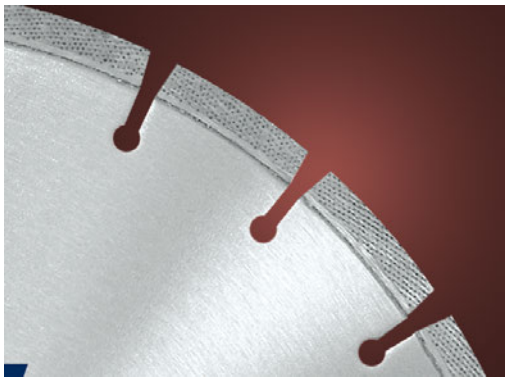
The programme by application

Construction - sawing: wall saws; floor saws for cured concrete, asphalt and green concrete; wire saws; table and bridge saws; hand-held, ring, battery-powered, angle and circular saws; tuck pointing, crack chasing and wall chasing. Construction - drilling: wet/dry core bits, segments, BSL drill bits and socket core bits. Construction - grinding and polishing: angle grinder cup wheels and floor grinder tools and pads.

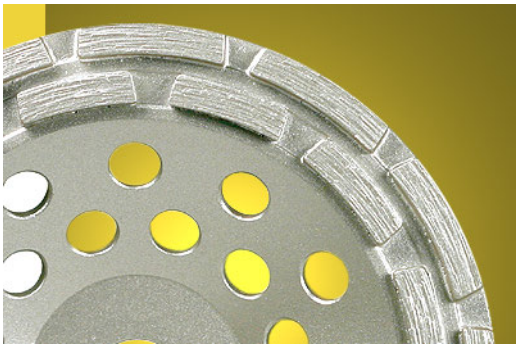
Stone - slab processing: quarrying and slabbing wires, block saw blades, calibration rollers, satellite tools and fickerts. Stone - fabricating and finishing: cutting/grinding, drilling, polishing, profiling, CNC tooling, edge polishing and special tooling. DiamondX adds BSL tools for demanding metal-working applications.



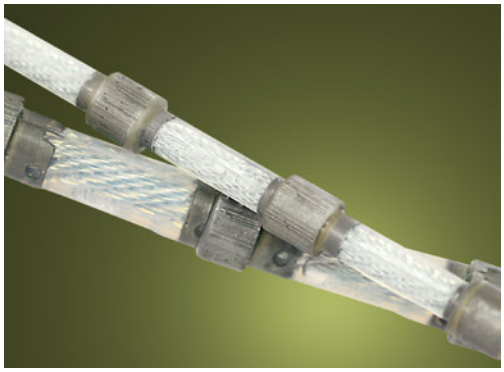
The programme by application - Product view



The programme by application - Product view



The programme by application - Product view



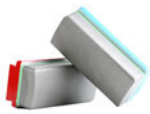
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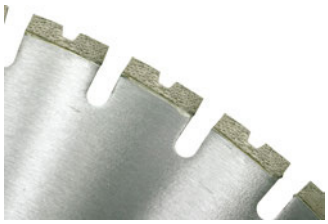
The programme by application - Product view



The programme by application - Product view



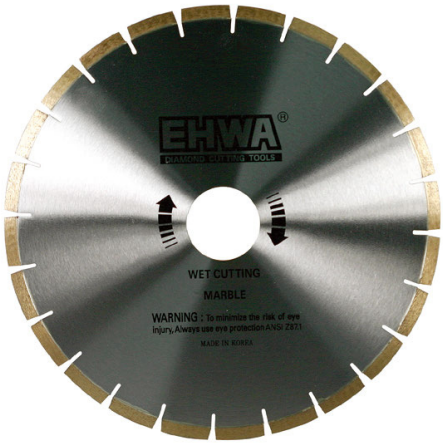
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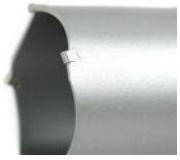
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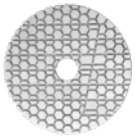
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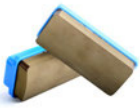
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The programme by application - Product view



The programme by application - Product view



The programme by application - Product view



The programme by application - Product view

Construction: sawing

Wall, floor, wire, table and bridge saws and hand-held machines impose different requirements on blade cores, segment design and cooling. Select the version for the machine and the material to be cut.



Construction: sawing - Application

Wall saws

Wall saw blades are designed for high performance in different materials and machines in the 10 ~ 30 kW range. The product-code scheme distinguishes Under 10 kW, 10 ~ 15 kW and Over 25 kW. Various flush-cutting hole patterns are available on request. Maximum operating speed: 63 m/s.

Segment types: Normal 40, U-shape 40 and Short 24. Zenesis U-shape 40 and Zenesis Short 24: Supreme; Short 24: Premium, Standard, Economy; U-shape 40: Premium; Normal 40: Standard.

Dimensions

Diameter	Thickness	Height	Length
20" (500)	4.0 / 4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
24" (600)	4.0 / 4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
26" (650)	4.0 / 4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
28" (700)	4.0 / 4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
30" (750)	4.0 / 4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
32" (800)	4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
36" (900)	4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
40" (1000)	4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
48" (1200)	4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40
64" (1600)	4.4 / 4.8	10 (brazed) / 12 (laser welded)	24 / 40

Product codes by machine power

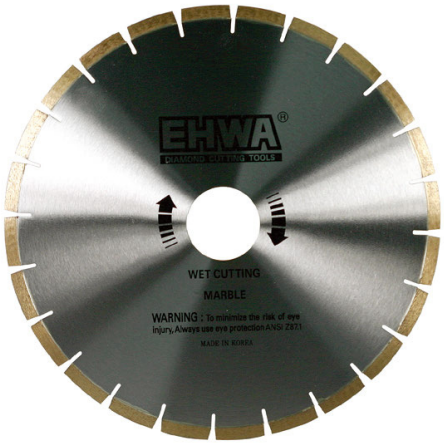
Application	Type	Product code
Under 10 kW	Supreme / Zenesis U-shape 40	RUZWL
Under 10 kW	Supreme / Zenesis short 24	RUZWL(24)
Under 10 kW	Premium / U-shape 40	RPLWL
Under 10 kW	Premium / Short 24	RPLWL(24)
Under 10 kW	Standard / Normal 40	RSLWL
Under 10 kW	Standard / Short 24	RSLWL(24)
Under 10 kW	Economy / Short 24	REHWL(24)
10 ~ 15 kW	Supreme / Zenesis U-shape 40	RUZWM
10 ~ 15 kW	Supreme / Zenesis short 24	RUZWM(24)
10 ~ 15 kW	Premium / U-shape 40	RPLWM
10 ~ 15 kW	Premium / Short 24	RPLWM(24)
10 ~ 15 kW	Standard / Normal 40	RSLWM
10 ~ 15 kW	Standard / Short 24	RSLWM(24)
10 ~ 15 kW	Economy / Short 24	REHWM(24)
Over 25 kW	Supreme / Zenesis U-shape 40	RUZWH
Over 25 kW	Supreme / Zenesis short 24	RUZWH(24)
Over 25 kW	Premium / U-shape 40	RPLWH
Over 25 kW	Premium / Short 24	RPLWH(24)
Over 25 kW	Standard / Normal 40	RSLWH
Over 25 kW	Standard / Short 24	RSLWH(24)
Over 25 kW	Economy / Short 24	REHWH(24)

Ratings refer to the displayed version groups. Select the corresponding product code for the machine power.

Application ratings

Material	RUZWL	RUZWL(24)	RPLWL	RPLWL(24)
Heavily reinforced with hard aggregate	5	5	4	4
Moderately reinforced with medium aggregate	5	5	4	4
Lightly reinforced with soft aggregate, brick	5	4	4	3

Material	RSLWL	RSLWL(24)	REHWL(24)
Heavily reinforced with hard aggregate	2	3	1
Moderately reinforced with medium aggregate	3	3	2
Lightly reinforced with soft aggregate, brick	3	2	1



Wall saws: Normal 40



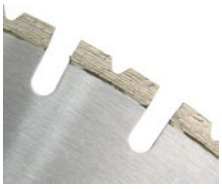
Wall saws - Product view



Wall saws: Zenesis U-shape 40Length



Wall saws: Short 24



Wall saws: U-shape 40



Wall saws: Zenesis short 24

Floor saws: cured concrete

Designed for high cutting performance in different concretes on machines in the 10 ~ 80 hp range. Normal and Turbo segments are offered in the listed quality and power grades. Maximum operating speed: 63 m/s.

Dimensions

Diameter	Thickness	Height	Length
12" (300)	3.2 / 3.6	10 / 12	40
14" (350)	3.2 / 3.6	10 / 12	40
16" (400)	3.2 / 3.6	10 / 12	40
18" (450)	3.6 / 4.0 / 4.4	10 / 12	40
20" (500)	3.6 / 4.0 / 4.4	10 / 12	40
24" (600)	4.0 / 4.4 / 4.8	10 / 12	40
26" (650)	4.0 / 4.4 / 4.8	10 / 12	40
28" (700)	4.0 / 4.4 / 4.8	10 / 12	40
30" (750)	4.0 / 4.4 / 4.8	10 / 12	40
32" (800)	4.4 / 4.8	10 / 12	40
36" (900)	4.4 / 4.8	10 / 12	40
40" (1000)	4.4 / 4.8	10 / 12	40
48" (1200)	4.4 / 4.8	10 / 12	40

Product codes by machine power

Application	Type	Product code
Under 19 hp	Supreme / Zenesis normal	CUZF1
Under 19 hp	Supreme / Zenesis turbo	CUZF1(T)
Under 19 hp	Premium / Normal	CPLF1
Under 19 hp	Premium / Turbo	CPLF1(T)
Under 19 hp	Standard / Normal	CSLF1
Under 19 hp	Standard / Turbo	CSLF1(T)
Under 19 hp	Economy / Normal	CELF1
Under 19 hp	Economy / Turbo	CELF1(T)
20 ~ 29 hp	Supreme / Zenesis normal	CUZF2
20 ~ 29 hp	Supreme / Zenesis turbo	CUZF2(T)
20 ~ 29 hp	Premium / Normal	CPLF2
20 ~ 29 hp	Premium / Turbo	CPLF2(T)
20 ~ 29 hp	Standard / Normal	CSLF2
20 ~ 29 hp	Standard / Turbo	CSLF2(T)
20 ~ 29 hp	Economy / Normal	CELF2
20 ~ 29 hp	Economy / Turbo	CELF2(T)
35 ~ 48 hp	Supreme / Zenesis normal	CUZF3
35 ~ 48 hp	Supreme / Zenesis turbo	CUZF3(T)
35 ~ 48 hp	Premium / Normal	CPLF3
35 ~ 48 hp	Premium / Turbo	CPLF3(T)
35 ~ 48 hp	Standard / Normal	CSLF3
35 ~ 48 hp	Standard / Turbo	CSLF3(T)
35 ~ 48 hp	Economy / Normal	-

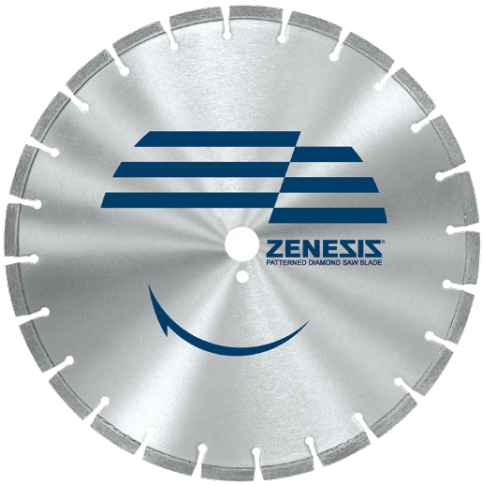
Application	Type	Product code
35 ~ 48 hp	Economy / Turbo	-
50 ~ 65 hp	Supreme / Zenesis normal	CUZF5
50 ~ 65 hp	Supreme / Zenesis turbo	CUZF5(T)
50 ~ 65 hp	Premium / Normal	CPLF5
50 ~ 65 hp	Premium / Turbo	CPLF5(T)
50 ~ 65 hp	Standard / Normal	CSLF5
50 ~ 65 hp	Standard / Turbo	CSLF5(T)
50 ~ 65 hp	Economy / Normal	-
50 ~ 65 hp	Economy / Turbo	-
Over 65 hp	Supreme / Zenesis normal	CUZF6
Over 65 hp	Supreme / Zenesis turbo	CUZF6(T)
Over 65 hp	Premium / Normal	CPLF6
Over 65 hp	Premium / Turbo	CPLF6(T)
Over 65 hp	Standard / Normal	CSLF6
Over 65 hp	Standard / Turbo	CSLF6(T)
Over 65 hp	Economy / Normal	-
Over 65 hp	Economy / Turbo	-

Ratings refer to the displayed version groups. Select the corresponding product code for the machine power.

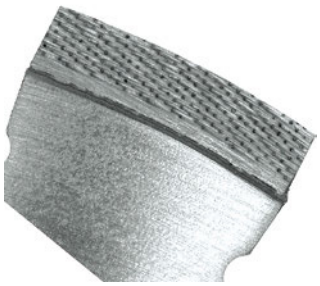
Application ratings

Material	CUZF1	CUZF1(T)	CPLF1	CPLF1(T)
Hard aggregate and high strength concrete	5	5	4	4
Medium to hard aggregate and moderate strength concrete	5	5	4	4
Soft aggregate and low strength concrete	4	4	4	4

Material	CSLF1	CSLF1(T)	CELF1	CELF1(T)
Hard aggregate and high strength concrete	3	3	2	2
Medium to hard aggregate and moderate strength concrete	3	3	2	2
Soft aggregate and low strength concrete	4	4	3	3



Floor saws: cured concrete - Product view



Floor saws: cured concrete: Zenesis normal



Floor saws: cured concrete: Turbo



Floor saws: cured concrete: Zenesis turbo



Floor saws: cured concrete: Normal

Floor saws: asphalt

Designed for high cutting performance in asphalt on machines in the 10 ~ 80 hp range. Segment forms: Zenesis Insert (Supreme), Wedge and Slant (Premium, Standard), Insert (Premium, Standard, Economy) and Normal (Economy). Maximum operating speed: 63 m/s.

Dimensions

Diameter	Thickness	Height	Length
12" (300)	3.2 / 3.6	7 / 10	40
14" (350)	3.2 / 3.6	7 / 10	40
16" (400)	3.2 / 3.6	7 / 10	40
18" (450)	3.6 / 4.0 / 4.4	7 / 10	40
20" (500)	3.6 / 4.0 / 4.4	7 / 10	40
24" (600)	4.0 / 4.4 / 4.8	7 / 10	40
26" (650)	4.0 / 4.4 / 4.8	7 / 10	40
28" (700)	4.0 / 4.4 / 4.8	7 / 10	40
30" (750)	4.0 / 4.4 / 4.8	7 / 10	40
32" (800)	4.4 / 4.8	7 / 10	40
36" (900)	4.4 / 4.8	7 / 10	40
40" (1000)	4.4 / 4.8	7 / 10	40
48" (1200)	4.4 / 4.8	7 / 10	40

Product codes by machine power

Application	Type	Product code
Under 19 hp	Supreme / Zenesis insert	PUZF1(I)
Under 19 hp	Premium / Wedge	PPLF1(W)
Under 19 hp	Premium / Slant	PPLF1(S)
Under 19 hp	Premium / Insert	PPLF1(I)
Under 19 hp	Standard / Wedge	PSLF1(W)
Under 19 hp	Standard / Slant	PSLF1(S)
Under 19 hp	Standard / Insert	PSLF1(I)
Under 19 hp	Economy / Insert	PELF1(I)
Under 19 hp	Economy / Normal	PELF1
20 ~ 29 hp	Supreme / Zenesis insert	PUZF2(I)
20 ~ 29 hp	Premium / Wedge	PPLF2(W)
20 ~ 29 hp	Premium / Slant	PPLF2(S)
20 ~ 29 hp	Premium / Insert	PPLF2(I)
20 ~ 29 hp	Standard / Wedge	PSLF2(W)
20 ~ 29 hp	Standard / Slant	PSLF2(S)
20 ~ 29 hp	Standard / Insert	PSLF2(I)
20 ~ 29 hp	Economy / Insert	PELF2(I)
20 ~ 29 hp	Economy / Normal	PELF2
35 ~ 48 hp	Supreme / Zenesis insert	PUZF3(I)
35 ~ 48 hp	Premium / Wedge	PPLF3(W)
35 ~ 48 hp	Premium / Slant	PPLF3(S)
35 ~ 48 hp	Premium / Insert	PPLF3(I)
35 ~ 48 hp	Standard / Wedge	PSLF3(W)

Application	Type	Product code
35 ~ 48 hp	Standard / Slant	PSLF3(S)
35 ~ 48 hp	Standard / Insert	PSLF3(I)
35 ~ 48 hp	Economy / Insert	-
35 ~ 48 hp	Economy / Normal	-
50 ~ 65 hp	Supreme / Zenesis insert	PUZF5(I)
50 ~ 65 hp	Premium / Wedge	PPLF5(W)
50 ~ 65 hp	Premium / Slant	PPLF5(S)
50 ~ 65 hp	Premium / Insert	PPLF5(I)
50 ~ 65 hp	Standard / Wedge	PSLF5(W)
50 ~ 65 hp	Standard / Slant	PSLF5(S)
50 ~ 65 hp	Standard / Insert	PSLF5(I)
50 ~ 65 hp	Economy / Insert	-
50 ~ 65 hp	Economy / Normal	-
Over 65 hp	Supreme / Zenesis insert	PUZF6(I)
Over 65 hp	Premium / Wedge	PPLF6(W)
Over 65 hp	Premium / Slant	PPLF6(S)
Over 65 hp	Premium / Insert	PPLF6(I)
Over 65 hp	Standard / Wedge	PSLF6(W)
Over 65 hp	Standard / Slant	PSLF6(S)
Over 65 hp	Standard / Insert	PSLF6(I)
Over 65 hp	Economy / Insert	-
Over 65 hp	Economy / Normal	-

Ratings refer to the displayed version groups. Select the corresponding product code for the machine power.

Application ratings

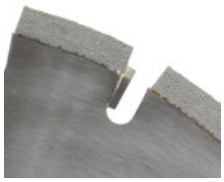
Material	PUZF1(I)	PPLF1(W)	PPLF1(S)	PPLF1(I)
Hard aggregate, asphalt over concrete	5	4	4	4
Soft to medium aggregate asphalt	5	4	4	4

Material	PSLF1(W)	PSLF1(S)	PSLF1(I)	PELF1(I)
Hard aggregate, asphalt over concrete	4	4	4	3
Soft to medium aggregate asphalt	4	4	4	4

Material	PELF1
Hard aggregate, asphalt over concrete	3
Soft to medium aggregate asphalt	4

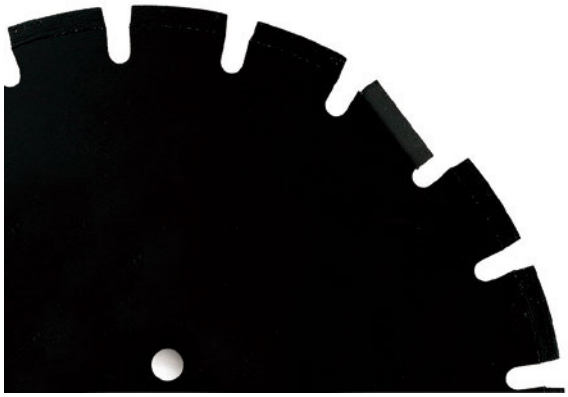


Floor saws: asphalt - Product view

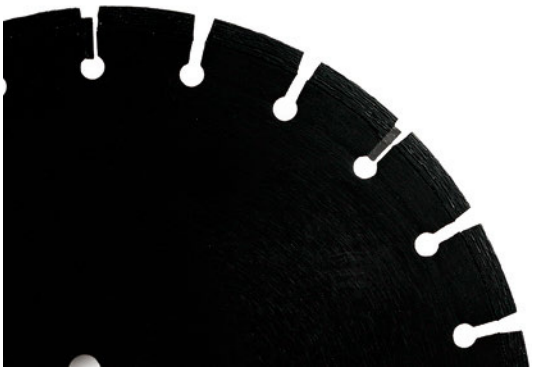

Floor saws: asphalt: Zenesis insert



Floor saws: asphalt: Wedge



Floor saws: asphalt: Slant



Floor saws: asphalt: Insert



Floor saws: asphalt: Normal

Floor saws: green concrete

Designed for high cutting performance in green concrete on machines in the 10 ~ 50 hp range. Zenesis Insert: Supreme; Slant and Insert: Premium, Standard; Normal: Premium, Standard, Economy. Maximum operating speed: 63 m/s.

Dimensions

Diameter	Thickness	Height	Length
12" (300)	2.8 / 3.2	10 / 12	40
14" (350)	3.2 / 3.6	10 / 12	40
16" (400)	3.2 / 3.6	10 / 12	40
18" (450)	3.2 / 3.6 / 4.0	10 / 12	40

Product codes by machine power

Application	Type	Product code
Under 19 hp	Supreme / Zenesis insert	AUZF1(I)
Under 19 hp	Premium / Slant	APLF1(S)
Under 19 hp	Premium / Insert	APLF1(I)
Under 19 hp	Premium / Normal	APLF1
Under 19 hp	Standard / Slant	ASLF1(S)
Under 19 hp	Standard / Insert	ASLF1(I)
Under 19 hp	Standard / Normal	ASLF1
Under 19 hp	Economy / Normal	AELF1
20 ~ 29 hp	Supreme / Zenesis insert	AUZF2(I)
20 ~ 29 hp	Premium / Slant	APLF2(S)
20 ~ 29 hp	Premium / Insert	APLF2(I)
20 ~ 29 hp	Premium / Normal	APLF2
20 ~ 29 hp	Standard / Slant	ASLF2(S)
20 ~ 29 hp	Standard / Insert	ASLF2(I)
20 ~ 29 hp	Standard / Normal	ASLF2
20 ~ 29 hp	Economy / Normal	AELF2
35 ~ 48 hp	Supreme / Zenesis insert	AUZF3(I)
35 ~ 48 hp	Premium / Slant	APLF3(S)
35 ~ 48 hp	Premium / Insert	APLF3(I)
35 ~ 48 hp	Premium / Normal	APLF3
35 ~ 48 hp	Standard / Slant	ASLF3(S)
35 ~ 48 hp	Standard / Insert	ASLF3(I)
35 ~ 48 hp	Standard / Normal	ASLF3

Application	Type	Product code
35 ~ 48 hp	Economy / Normal	-

Ratings refer to the displayed version groups. Select the corresponding product code for the machine power.

Application ratings

Material	AUZF1(I)	APLF1(S)	APLF1(I)	APLF1
Hard aggregate concrete	5	4	4	4
Soft to medium aggregate concrete	5	4	4	4
Soft, abrasive aggregate concrete	5	4	4	4

Material	ASLF1(S)	ASLF1(I)	ASLF1	AELF1
Hard aggregate concrete	3	3	3	2
Soft to medium aggregate concrete	3	3	3	2
Soft, abrasive aggregate concrete	4	4	4	3



Floor saws: green concrete - Product view



Floor saws: green concrete: Normal

Wire saws for construction

Bead assembly: rubber and spring. Maximum operating speed: 40 m/s. Zenesis sintered beads: Supreme; sintered beads: Premium, Standard, Economy; electroplated and brazed beads: Supreme, Premium. The application matrix distinguishes wet applications, explicitly identified dry applications and versions suitable for metal.

Wire / beads

Bead diameter	Sintered beads/m	Electroplated beads/m	Brazed beads/m
9	40	40	-
10.5	40 / 50	40 / 44 / 48 / 53	40 / 48 / 53
11	40	40 / 48	48
12.5	40	-	-

Product code	Type
RUZRW(40S)	Supreme / Zenesis sintered
SUWEW(53S)	Supreme / Electroplated
SUWEW(48S)	Supreme / Electroplated
RUWEW(44S)	Supreme / Electroplated
SUWBW(53S)	Supreme / Brazed
SUWBW(48S)	Supreme / Brazed
RPWCH(40S)	Premium / Sintered
RPWCD(50S)	Premium / Sintered
RPWEW(40S)	Premium / Electroplated
RPWBW(40S)	Premium / Brazed
RSWCW(40S)	Standard / Sintered
REWCW(40S)	Economy / Sintered
CEWCW(12.5D)	Economy / Sintered

Application ratings

Material	RUZRW(40S)	SUWEW(53S)	SUWEW(48S)	RUWEW(44S)
Concrete / Brick	2	0	0	1
Reinforced concrete	3	1	1	2
Heavily reinforced concrete	5	3	3	5
Reinforced concrete dry	0	4	4	4
Metal	0	5	5	4
Metal dry	0	4	3	2

Material	SUWBW(53S)	SUWBW(48S)	RPWCH(40S)	RPWCD(50S)
Concrete / Brick	0	0	1	0
Reinforced concrete	2	2	3	0
Heavily reinforced concrete	3	3	2	0
Reinforced concrete dry	4	4	0	3
Metal	5	5	0	0
Metal dry	4	3	0	0

Material	RPWEW(40S)	RPWBW(40S)	RSWCW(40S)	REWCW(40S)
Concrete / Brick	1	1	2	3
Reinforced concrete	2	2	3	3
Heavily reinforced concrete	3	3	1	0

Material	RPWEW(40S)	RPWBW(40S)	RSWCW(40S)	REWCW(40S)
Reinforced concrete dry	3	3	0	0
Metal	2	2	0	0
Metal dry	1	1	0	0

Material	CEWCW(12.5D)
Concrete / Brick	3
Reinforced concrete	0
Heavily reinforced concrete	0
Reinforced concrete dry	0
Metal	0
Metal dry	0



Wire saws for construction - Product view



Wire saws for construction: Sintered



Wire saws for construction: Zenesis sintered



Wire saws for construction: Electroplated



Wire saws for construction: Brazed

Bridge saws: pre-stressed concrete

Designed for high cutting performance in pre-stressed concrete on machines in the 20 ~ 60 hp range. We match the specification to machine power, local aggregates and the concrete curing time. Normal cores and noise-reducing laser-cut or sandwich silent types are available. Other sizes are available on request. Maximum operating speed: 63 m/s.

Dimensions

Diameter	Thickness	Height	Length
24" (600)	6	10 / 12	40
28" (700)	6	10 / 12	40
32" (800)	8	10 / 12	40
36" (900)	8	10 / 12	40
40" (1000)	8	10 / 12	40
44" (1100)	8	10 / 12	40
48" (1200)	8	10 / 12	40
52" (1300)	8	10 / 12	40

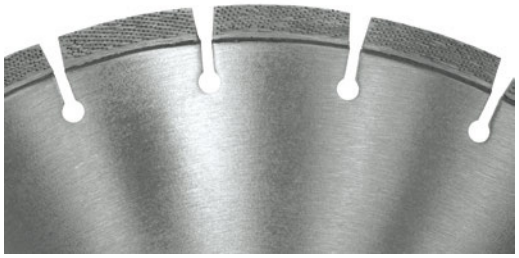
Product code	Type
RPZTH	Premium / Zenesis
RSLRH	Standard / Normal

Application ratings

Material	RPZTH	RSLRH
Pre-stressed concrete	5	4



Bridge saws: pre-stressed concrete - Product view



Bridge saws: pre-stressed concrete: Zenesis



Bridge saws: pre-stressed concrete: Normal

Table saws: laser-welded blades

Wet and dry use according to tool version. Cooling holes and silent cores are available on request. Maximum operating speed: 63 m/s.

Forms: Zenesis (Supreme, Premium), Normal (Premium, Standard, Economy, Seco), Turbo (Premium, Standard, Economy), Alternative (Premium, Standard), Wide U-slot (Premium, Standard, Economy, Seco), Narrow U-slot (Premium, Standard).

Dimensions

Diameter	Thickness	Height	Length
10" (250)	2.4	10 / 12	38
12" (300)	2.8	10 / 12	40
14" (350)	3.2	10 / 12	40
16" (400)	3.2	10 / 12	40
18" (450)	3.6	10 / 12	40
20" (500)	3.6	10 / 12	40
24" (600)	4.5	10 / 12	40
26" (650)	4.5	10 / 12	40
28" (700)	4.5	10 / 12	40
30" (750)	4.5	10 / 12	40
32" (800)	4.5	10 / 12	40
36" (900)	4.5	10 / 12	40

Product code	Type
UUZHL	Supreme / Zenesis
UPLHL	Premium
USLHL	Standard
UELHL	Economy
UOLHL	Seco

Application ratings

Material	UUZHL	UPLHL	USLHL	UELHL
Washed concrete	5	4	2	1
Refractory brick	5	4	2	1
Clinker	5	5	3	2
Roof tile	5	5	3	2
Granite / Porphyry / Basalt / Quartzite / Hard stone	5	4	3	2
Cured concrete / Concrete pipe	5	5	3	2
Concrete block / Brick	0	3	2	2
Marble	3	2	1	1
Sandstone / Limestone	3	2	1	1

Material	UOLHL
Washed concrete	0
Refractory brick	0
Clinker	0
Roof tile	1
Granite / Porphyry / Basalt / Quartzite / Hard stone	0
Cured concrete / Concrete pipe	1
Concrete block / Brick	1
Marble	0
Sandstone / Limestone	0



Table saws: laser-welded blades: Turbo



Table saws: laser-welded blades - Product view



Table saws: laser-welded blades: Narrow U-slot

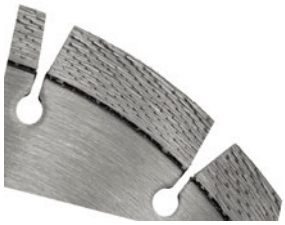


Table saws: laser-welded blades: Zenesis



Table saws: laser-welded blades: Normal



Table saws: laser-welded blades: Alternative



Table saws: laser-welded blades: Wide U-slot

Table saws: sintered blades

Wet versions: Rim, Music 1 and Music 2 in Premium, Standard and Economy, plus Thin Rim in Premium. Dry Rim, Music 1 and Music 2 versions are listed as Standard under USCRD. Maximum operating speed: 63 m/s. Material suitability ratings apply to the respective displayed grade.

Dimensions

Diameter	Thickness	Height
4" (100)	1.6	5.0 / 7.5 / 9.5
4.5" (115)	1.6	5.0 / 7.5 / 9.5
5" (125)	1.6	5.0 / 7.5 / 9.5
6" (150)	1.6 / 2.0	5.0 / 7.5 / 9.5
8" (200)	1.6 / 2.0	5.0 / 7.5 / 9.5
10" (250)	1.6 / 2.0	5.0 / 7.5 / 9.5
12" (300)	1.2 (thin rim)	5.0 / 7.5 / 9.5
14" (350)	2.0 / 2.2 / 2.4	5.0 / 7.5 / 9.5
16" (400)	2.4 / 3.2	7.5
18" (450)	2.4 / 3.2	7.5
20" (500)	2.4 / 3.2	7.5

Product code	Type
UPCRW	Premium / Wet
USCRW	Standard / Wet
USCRD	Standard / Dry
UECRW	Economy / Wet

Application ratings

Material	UPCRW	USCRW / USCRD	UECRW
Granite / Porphyry / Basalt / Quartzite / Hard stone	4	3	2
Tile / Ceramic / Porcelain	5	4	3
Marble	4	3	2

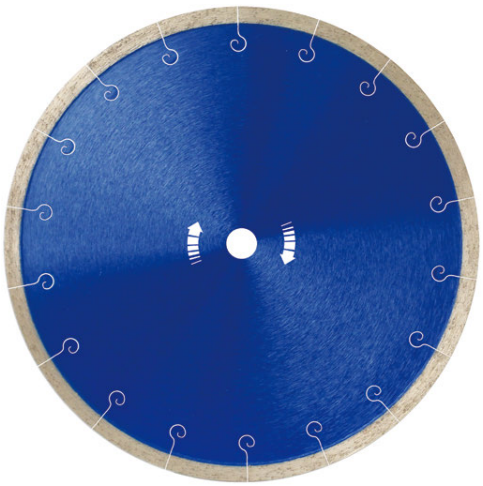


Table saws: sintered blades - Product view



Table saws: sintered blades: Rim



Table saws: sintered blades: Thin rim



Table saws: sintered blades: Music-1

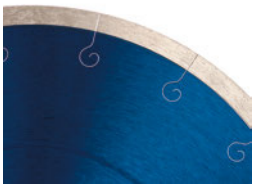


Table saws: sintered blades: Music-1

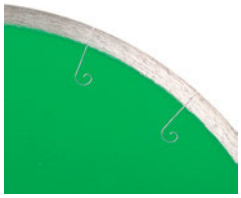


Table saws: sintered blades: Music-2

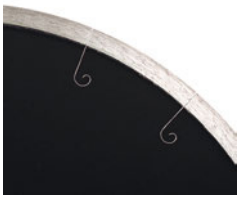


Table saws: sintered blades: Music-2



Table saws: sintered blades: Rim

Hand-held and ring saws

Laser-welded blades for hand-held and ring saws. The shared catalogue page carries a dry-use symbol; this does not authorise dry operation of every ring saw. Wet or dry operation depends on the specific blade design and the operating instructions of the machine in use. Where the machine requires water cooling, it must be maintained continuously. Cooling holes and silent cores are available on request. Printed maximum peripheral speed for the tool group: 100 m/s; the limits of the specific blade and machine remain authoritative. Forms: Zenesis (Supreme), Normal (Premium, Standard, Economy, Seco), V-Turbo, Shark, Shallow-Turbo, X-Turbo, S-Turbo and Ring saw (Premium, Standard).

Dimensions

Diameter	Thickness	Height	Length
12" (300)	2.8	10 / 12	40
14" (350)	3.2	10 / 12	40
16" (400)	3.2	10 / 12	40
18" (450)	3.6	10 / 12	40

Ring saw reference

Length	Thickness	Height
33	4.2	8 / 10

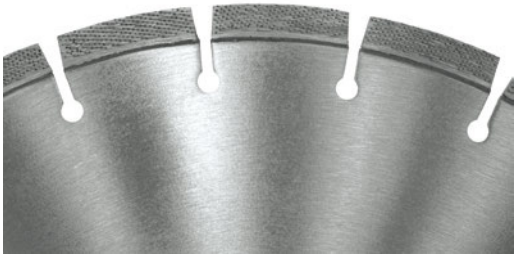
Product code	Type
UUZHD	Supreme / Zenesis
UPLHD	Premium
USLHD	Standard
UELHD	Economy
UOLHD	Seco
HPLHD	Premium / Hard materials
ASLHD	Standard / Abrasive materials

Application ratings

Material	UUZHD	UPLHD	USLHD	UELHD
Steel / Rail track	3	2	1	0
Ductile iron / Cast iron	3	2	1	0
Reinforced concrete	5	4	2	1
Washed concrete	4	4	2	1
Refractory brick	5	4	2	1
Clinker	5	5	3	2
Roof tile	5	4	3	2
Granite / Porphyry / Basalt / Quartzite / Hard stone	5	4	3	2
Cured concrete / Concrete pipe	5	5	3	2
Concrete block / Brick	4	3	2	1
Marble	3	2	1	1
Sandstone / Limestone	3	2	1	1
Mortar	4	3	2	2
Asphalt / Green concrete	3	2	1	1

Material	UOLHD	HPLHD	ASLHD
Steel / Rail track	0	2	0
Ductile iron / Cast iron	0	2	0
Reinforced concrete	0	5	1
Washed concrete	0	4	1
Refractory brick	0	4	1
Clinker	0	5	2

Material	UOLHD	HPLHD	ASLHD
Roof tile	1	5	2
Granite / Porphyry / Basalt / Quartzite / Hard stone	0	4	2
Cured concrete / Concrete pipe	1	5	2
Concrete block / Brick	1	3	3
Marble	0	2	2
Sandstone / Limestone	0	2	3
Mortar	1	3	3
Asphalt / Green concrete	0	2	3



Hand-held and ring saws: Zenesis



Hand-held and ring saws: Shallow-turbo



Hand-held and ring saws: Ring saw



Hand-held and ring saws: Shark



Hand-held and ring saws - Product view



Hand-held and ring saws: S-turbo



Hand-held and ring saws: Normal



Hand-held and ring saws: X-turbo



Hand-held and ring saws: V turbo

Battery-powered saws and BSL blades

Battery-powered saw blades: Zenesis (Supreme), Normal (Premium, Standard, Economy), Slant Z-Turbo (Premium, Standard). Laser-welded dry blades; maximum operating speed 100 m/s. Premium BSL Rescue blades are available for the rated materials, also with a maximum operating speed of 100 m/s.

Dimensions

Diameter	Thickness	Height	Length
12" (300)	2.8	10 / 12	33
14" (350)	3.2	10 / 12	33

BSL blades

Diameter	Thickness	Maximum operating speed
12" (302)	3.1 / 3.4	100 m/s
14" (352)	3.1 / 3.4	100 m/s
16" (409)	3.1 / 3.4	100 m/s

Product code	Type
BUZAS	Supreme / Zenesis
BPLAS	Premium
BSLAS	Standard
BELAS	Economy

Application ratings

Material	BUZAS	BPLAS	BSLAS	BELAS
Hard material	5	4	1	0
Medium material	4	4	2	1
Soft material	3	3	2	2

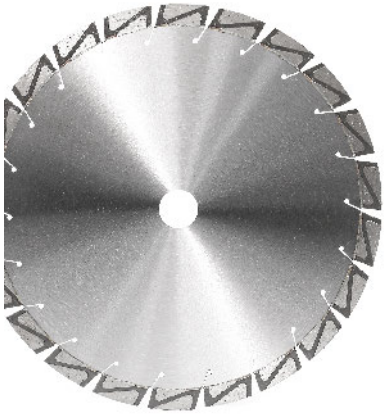
Product code	Type
UPBSD	Premium / Rescue

Application ratings

Material	UPBSD
Cast iron / Ductile iron / Steel / PVC pipe	5
HDPE / Wood / Copper / Fiber board	3
Masonry / Concrete / Brick / Stone	2



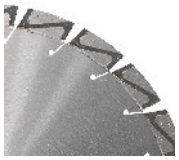
Battery-powered saws and BSL blades - Product view



Battery-powered saws and BSL blades - Product view



Battery-powered saws and BSL blades: Rescue



Battery-powered saws and BSL blades: Slant Z Turbo

Angle grinders and circular saws: laser-welded blades

Laser-welded dry blades, made in Vietnam. Other sizes, cooling holes and silent cores are available on request. Maximum operating speed: 80 m/s.

Forms: Zenesis and Zenesis Turbo (Supreme, Premium); Normal (Premium, Standard, Economy, Seco); V-Turbo, Thin Shallow-Turbo, X-Turbo, S-Turbo, Dot-Turbo, Wide-Turbo, W-shape and Slant Shallow-Turbo (Premium, Standard); Turbo (Premium, Standard, Economy). Small battery-powered blades complement the range: Zenesis (Supreme), Normal (Premium, Standard, Economy), Slant Z-Turbo (Premium, Standard).

Dimensions

Diameter	Thickness	Height	Length
4" (100)	2.2	10 / 12	31
4.5" (115)	2.2	10 / 12	31
5" (125)	2.2	10 / 12	31
6" (150)	2.4	10 / 12	32
7" (180)	2.4	10 / 12	33
8" (200)	2.4	10 / 12	38
9" (230)	2.4	10 / 12	38
10" (250)	2.4	10 / 12	38

Dimensions

Diameter	Thickness	Height	Length
4.5" (115)	2.2	10 / 12	28
5" (125)	2.2	10 / 12	28
9" (230)	2.4	10 / 12	28
10" (250)	2.6	10 / 12	28

Product code	Type
UUZAD	Supreme / Zenesis
UPLAD	Premium
USLAD	Standard
UELAD	Economy
UOLAD	Seco
HPLAD	Premium / Hard materials
ASLAD	Standard / Abrasive materials

Application ratings

Material	UUZAD	UPLAD	USLAD	UELAD
Steel / Rail track	3	2	1	0
Ductile iron / Cast iron	3	2	1	0
Reinforced concrete	5	4	2	1
Washed concrete	5	4	2	1
Refractory brick	5	4	2	1
Clinker	5	5	3	2
Roof tile	5	5	3	2
Granite / Porphyry / Basalt / Quartzite / Hard stone	5	4	3	2
Cured concrete / Concrete pipe	5	5	3	2
Concrete block / Brick	0	3	3	2
Marble	3	2	3	1
Sandstone / Limestone	3	2	3	1
Mortar	0	3	2	2
Asphalt / Green concrete	3	2	1	1

Material	UOLAD	HPLAD	ASLAD
Steel / Rail track	0	0	0
Ductile iron / Cast iron	0	2	0
Reinforced concrete	0	5	1
Washed concrete	0	5	1
Refractory brick	0	4	1
Clinker	0	5	2

Material	UOLAD	HPLAD	ASLAD
Roof tile	1	5	2
Granite / Porphyry / Basalt / Quartzite / Hard stone	0	5	2
Cured concrete / Concrete pipe	1	5	2
Concrete block / Brick	1	3	3
Marble	0	2	2
Sandstone / Limestone	0	2	3
Mortar	1	3	3
Asphalt / Green concrete	0	2	3

Product code	Type
BUZAS	Supreme / Zenesis
BPLAS	Premium
BSLAS	Standard
BELAS	Economy

Application ratings

Material	BUZAS	BPLAS	BSLAS	BELAS
Hard material	5	4	1	0
Medium material	4	4	2	1
Soft material	3	3	2	2



Angle grinders and circular saws: laser-welded blades: Turbo



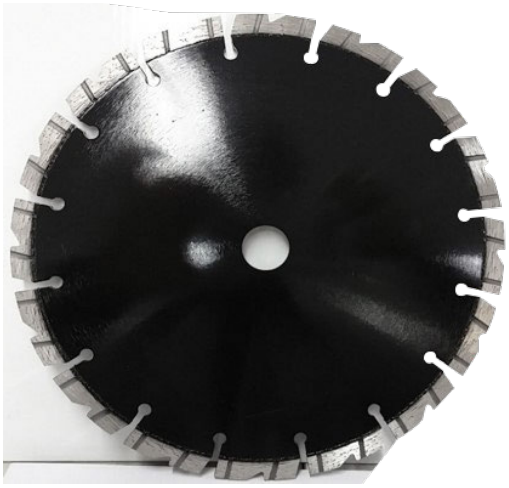
Angle grinders and circular saws: laser-welded blades: Normal



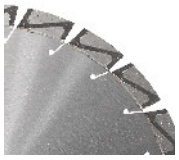
Angle grinders and circular saws: laser-welded blades: Zenesis



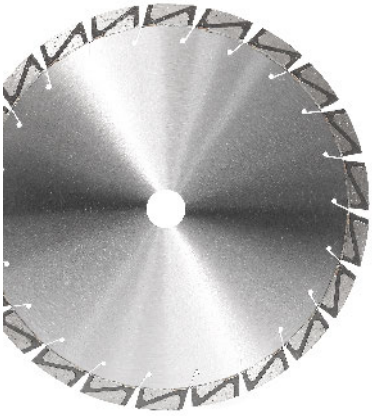
Angle grinders and circular saws: laser-welded blades: Normal



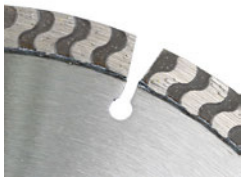
Angle grinders and circular saws: laser-welded blades: V-turbo



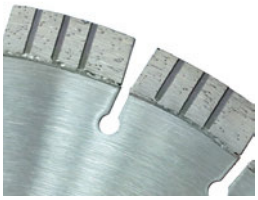
Angle grinders and circular saws: laser-welded blades: Slant Z Turbo



Angle grinders and circular saws: laser-welded blades - Product view



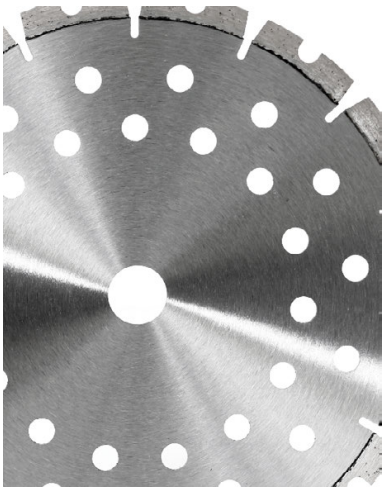
Angle grinders and circular saws: laser-welded blades: S-turbo



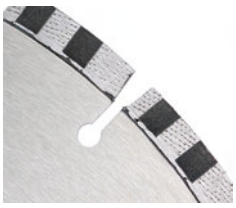
Angle grinders and circular saws: laser-welded blades: Shallow-turbo



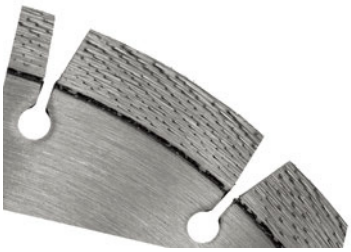
Angle grinders and circular saws: laser-welded blades: X-turbo



Angle grinders and circular saws: laser-welded blades: Thin



Angle grinders and circular saws: laser-welded blades: Zenesis turbo



Angle grinders and circular saws: laser-welded blades: Zenesis



Angle grinders and circular saws: laser-welded blades - Product view



Angle grinders and circular saws: laser-welded blades: Dot-turbo



Angle grinders and circular saws: laser-welded blades: Slant shallow-turbo



Angle grinders and circular saws: laser-welded blades: Wide-turbo



Angle grinders and circular saws: laser-welded blades: W-shape

Angle grinders and circular saws: sintered and BSL blades

Sintered dry blades, maximum operating speed 80 m/s. Thin Turbo: AC, NT, NN, ON (Premium). Turbo: Medium, Narrow (Premium, Standard, Economy, Seco); Wave, Tornado, Tiger-teeth, KT01 (Premium, Standard). Rim (Standard, Seco); Music 1, Music 2, Kisses, Thin-T (Standard). Segmented: T-slot, Y-slot, ST-slot, TT-slot (Economy).

BSL dry blades: Rescue and Foundry (Premium), maximum operating speed 80 m/s. The combined application matrix distinguishes each blade grade; product codes remain version-specific.

Thin turbo

Diameter	Thickness	Height
4" (100)	1.4	7.5 / 10
4.3" / 4.5" (110 / 115)	1.4	7.5 / 10
5" (125)	1.4	7.5 / 10

Dimensions

Diameter	Thickness	Height
4" (100)	2.0 / 2.2	7.5 / 10
4.3" / 4.5" (110 / 115)	2.0 / 2.2	7.5 / 10
5" (125)	2.0 / 2.2	7.5 / 10
6" (150)	2.2 / 2.5	7.5 / 10
7" (180)	2.2 / 2.5	7.5 / 10
8" (200)	2.2 / 2.5	7.5 / 10
9" (230)	2.5 / 2.8	7.5 / 10
10" (250)	2.5 / 2.8	7.5 / 10
12" (300)	3.0 / 3.2	7.5 / 10

Dimensions

Diameter	Thickness	Height
4" (100)	1.6	5 / 7.5
4.3" / 4.5" (110 / 115)	1.6	5 / 7.5
5" (125)	1.6	5 / 7.5
6" (150)	1.6 / 2.0	5 / 7.5
7" (180)	1.6 / 2.0	5 / 7.5
8" (200)	1.6 / 2.0	5 / 7.5
9" (230)	1.6 / 2.0	5 / 7.5
10" (250)	1.6 / 2.0	5 / 7.5
12" (300)	2.0 / 2.2 / 2.4	5 / 7.5

Dimensions

Diameter	Thickness	Height
4" (100)	1.6	7 / 10 / 12
4.3" / 4.5" (110 / 115)	1.6	7 / 10 / 12
5" (125)	1.6	7 / 10 / 12
6" (150)	2.0	7 / 10 / 12
7" (180)	2.0	7 / 10 / 12
8" (200)	2.0	7 / 10 / 12
9" (230)	2.3	7 / 10 / 12
10" (250)	2.3	7 / 10 / 12
12" (300)	2.8	7 / 10 / 12

BSL angle grinder blades

Diameter	Thickness	Maximum operating speed
4" (100)	2.5 / 2.8	80 m/s
4.5" (115)	2.5 / 2.8	80 m/s
5" (125)	2.5 / 2.8	80 m/s
6" (150)	2.5 / 2.8	80 m/s
7" (180)	2.5 / 2.8	80 m/s
9" (230)	2.5 / 2.8	80 m/s

Product code	Type
HPCTD	Premium / Thin turbo
UPCTD	Premium / Turbo
USCTD	Standard / Turbo
UECTD	Economy / Turbo

Product code	Type
UOCTC	Super economy / Turbo
TSCRD	Standard / Rim
TOCRC	Super economy / Rim
UECSC	Economy / Segmented
UPBSD	Premium / Rescue

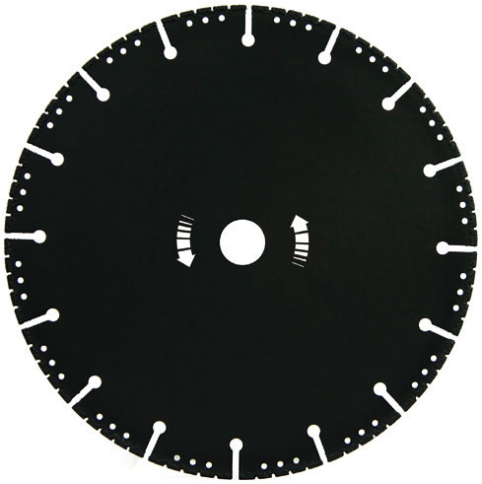
Application ratings

Material	HPCTD	UPCTD	USCTD	UECTD
Washed concrete	0	3	1	1
Refractory brick	0	3	1	1
Granite / Porphyry / Basalt / Quartzite / Hard stone	0	3	3	2
Tile / Ceramic / Porcelain	4	0	0	0
Cured concrete / Concrete pipe	0	4	3	2
Concrete block / Brick	0	3	2	2
Marble	3	3	2	1
Sandstone / Limestone	0	2	1	1
Cast iron / Ductile iron / Steel / PVC pipe	0	0	0	0
HDPE / Wood / Copper / Fiber board	0	0	0	0

Material	UOCTC	TSCRD	TOCRC	UECSC
Washed concrete	0	0	0	2
Refractory brick	0	0	0	2

Material	UOCTC	TSCRD	TOCRC	UECSC
Granite / Porphyry / Basalt / Quartzite / Hard stone	1	0	0	2
Tile / Ceramic / Porcelain	0	3	1	0
Cured concrete / Concrete pipe	1	0	0	2
Concrete block / Brick	1	0	0	2
Marble	1	2	1	2
Sandstone / Limestone	0	0	0	0
Cast iron / Ductile iron / Steel / PVC pipe	0	0	0	0
HDPE / Wood / Copper / Fiber board	0	0	0	0

Material	UPBSD
Washed concrete	1
Refractory brick	1
Granite / Porphyry / Basalt / Quartzite / Hard stone	1
Tile / Ceramic / Porcelain	2
Cured concrete / Concrete pipe	2
Concrete block / Brick	2
Marble	2
Sandstone / Limestone	2
Cast iron / Ductile iron / Steel / PVC pipe	5
HDPE / Wood / Copper / Fiber board	3



Angle grinders and circular saws: sintered and BSL blades - Product view



Angle grinders and circular saws: sintered and BSL blades: Y-slot



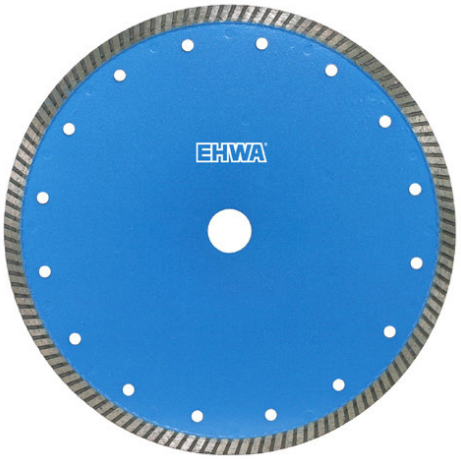
Angle grinders and circular saws: sintered and BSL blades: ST-slot



Angle grinders and circular saws: sintered and BSL blades: Wave



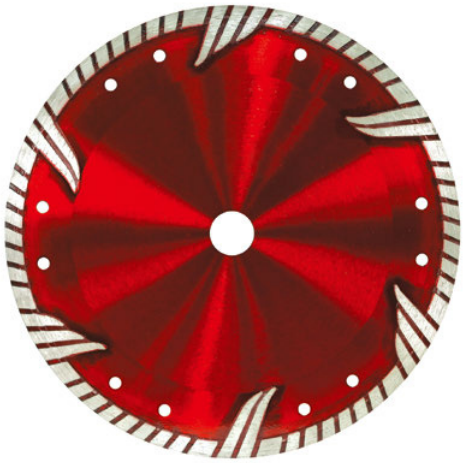
Angle grinders and circular saws: sintered and BSL blades: Medium



Angle grinders and circular saws: sintered and BSL blades: Narrow



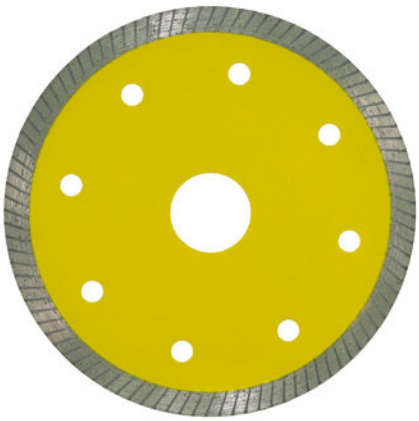
Angle grinders and circular saws: sintered and BSL blades: Tornado



Angle grinders and circular saws: sintered and BSL blades: Tiger-teeth



Angle grinders and circular saws: sintered and BSL blades - Product view



Angle grinders and circular saws: sintered and BSL blades - Product view



Angle grinders and circular saws: sintered and BSL blades - Product view



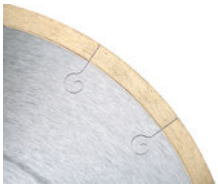
Angle grinders and circular saws: sintered and BSL blades: Thin turbo



Angle grinders and circular saws: sintered and BSL blades - Product view



Angle grinders and circular saws: sintered and BSL blades: Rim



Angle grinders and circular saws: sintered and BSL blades: Music-1



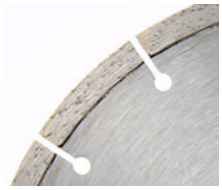
Angle grinders and circular saws: sintered and BSL blades: Music-2



Angle grinders and circular saws: sintered and BSL blades: Kisses



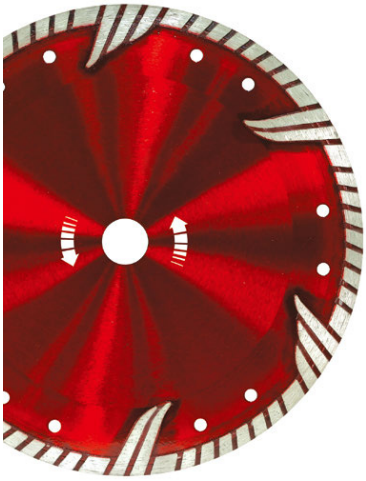
Angle grinders and circular saws: sintered and BSL blades: Thin-T



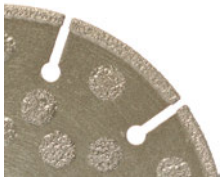
Angle grinders and circular saws: sintered and BSL blades: T-slot



Angle grinders and circular saws: sintered and BSL blades: TT-slot



Angle grinders and circular saws: sintered and BSL blades - Product view



Angle grinders and circular saws: sintered and BSL blades: Foundry



Angle grinders and circular saws: sintered and BSL blades: Rescue

Tuck pointing and crack chasing

Dry use with a maximum operating speed of 80 m/s. Normal: Premium, Standard, Economy; Insert and Side reinforced: Premium, Standard; Crack chaser: Standard; Turbo crack chaser: Economy.

Dimensions

Diameter	Thickness	Height	Length
4" (100)	6.4 / 9.6 / 12.7	10 / 12	31
4.5" (115)	6.4 / 9.6 / 12.7	10 / 12	31
5" (125)	6.4 / 9.6 / 12.7	10 / 12	32
6" (150)	6.4 / 9.6 / 12.7	10 / 12	32
7" (180)	6.4 / 9.6 / 12.7	10 / 12	32
9" (230)	6.4 / 9.6 / 12.7	10 / 12	38

Crack chaser reference

Thickness	Height
9.6	12.7

Product code	Type
CPLAD	Premium / Normal, Insert, Side reinforced
CSLAD	Standard / Normal, Insert, Side reinforced, Crack chaser
CELAD	Economy / Normal
CECTD	Economy / Turbo crack chaser

Application ratings

Material	CPLAD	CSLAD	CELAD	CECTD
Hard material	5	4	1	1
Medium material	4	4	2	2
Soft material	3	3	2	2



Tuck pointing and crack chasing - Product view



Tuck pointing and crack chasing: Turbo crack chaser



Tuck pointing and crack chasing: Side reinforced



Tuck pointing and crack chasing: Crack chaser



Tuck pointing and crack chasing: Normal



Tuck pointing and crack chasing: Insert

Wall chasers

Laser-welded dry blades, maximum operating speed 80 m/s. Zenesis: Supreme; Normal: Premium, Standard, Economy; Turbo and X-Turbo: Premium, Standard.

Dimensions

Diameter	Thickness	Height	Length
4.5" (115)	2.2	10 / 12	31
5" (125)	2.2	10 / 12	31
5.5" (140)	2.2	10 / 12	32
6" (150)	2.4	10 / 12	32

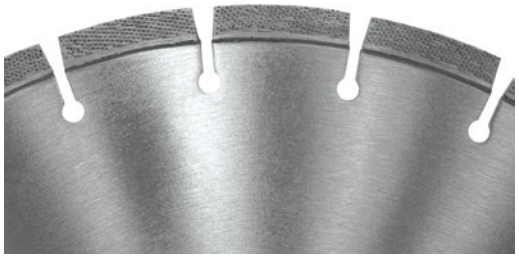
Product code	Type
CUZAX	Supreme / Zenesis
CPLAX	Premium
CSLAX	Standard
CELAX	Economy

Application ratings

Material	CUZAX	CPLAX	CSLAX	CELAX
Hard material	5	4	1	0
Medium material	4	4	2	1
Soft material	3	3	2	2



Wall chasers: Turbo



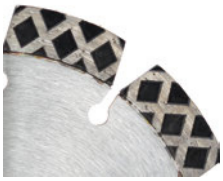
Wall chasers: Zenesis



Wall chasers - Product view



Wall chasers: Normal



Wall chasers: X-Turbo

Construction: drilling

Wet/dry core bits, individual and crown segments, BSL drill bits and socket core bits address different drilling tasks. Connections, effective lengths and operating speeds are specified by tool group.



Construction: drilling - Application

Wet core bits and segments

Standard effective lengths: 300 / 350 / 400 / 450 / 500 / 550 / 600. Three-piece versions: 350 / 400 / 450 / 500 / 550 / 600. Connector: 1¼"-7UNC / ½" Gas; normal or helical tube. Maximum operating speed: reinforced concrete 8 m/s, universal and abrasive materials 12 m/s.

Turbo and Roof-Top versions support positioning and fast drilling progress. Zenesis: Supreme; Crown: Premium, Standard; Flat and Roof-Top: Premium, Standard, Economy; Turbo, Roof Turbo and Geared Turbo: Premium, Standard; Trident: Premium. The segment table retains separate diameter, radius, length, thickness and height specifications.

Standard wet core bits

Diameter	Segment length / type	Thickness	Height
10 ~ 45D	Crown	2.0 / 2.5 / 3.0	7 / 10
32D / 35D / 42D / 48D	16	3	7 / 10 / 12
52D / 56D / 62D / 65D / 67D / 72D / 78D / 82D / 88D / 90D / 102D / 107D / 112D / 117D / 122D / 128D / 132D	24	3.5	7 / 10 / 12
142D / 152D / 162D / 172D / 182D / 192D / 202D	24	4	7 / 10 / 12
225D / 250D / 275D	24	4.5	7 / 10 / 12
300D / 350D / 400D / 500D	24	5	7 / 10 / 12

Three-piece wet core bits

Diameter	Segment length	Thickness	Height
52D / 62D / 77D / 88D	24	4	7 / 10 / 12
108D / 127D / 158D / 178D / 203D / 252D	24	4.5	7 / 10 / 12
303D	24	5	7 / 10 / 12

Wet core bit segments

Diameter	Radius	Length / type	Thickness	Height	Reference
~45D	-	Crown	2.0 / 2.5 / 3.0	7 / 10	Bottom ring
32D ~ 45D	32 / 35 / 40 / 45	16	3.0	7 / 10 / 12	Laser welding / brazing
47 ~ 57D	26	24	3.5	7 / 10 / 12	Laser welding / brazing
58 ~ 69D	31	24	3.5	7 / 10 / 12	Laser welding / brazing
70 ~ 89D	41	24	3.5	7 / 10 / 12	Laser welding / brazing
90 ~ 130D	51	24	3.5	7 / 10 / 12	Laser welding / brazing
130 ~ 180D	76	24	4.0	7 / 10 / 12	Laser welding / brazing
180 ~ 250D	101	24	4.0	7 / 10 / 12	Laser welding / brazing
250 ~ 400D	151	24	4.5	7 / 10 / 12	Laser welding / brazing
400 ~	Flat	24	5	7 / 10 / 12	Laser welding / brazing

Product code	Type
RUZDM	Supreme / Zenesis
RPLDM	Premium
RSLDM	Standard
REHDM	Economy
HPLDM	Premium / Heavily reinforced
APLDM	Premium / Abrasive

Application ratings

Material	RUZDM	RPLDM	RSLDM	REHDM
Heavily reinforced concrete	5	4	3	1
Reinforced concrete	5	5	3	2
Cured concrete with hard aggregates	5	4	3	2
Cured concrete	5	5	4	3
Clinker	5	4	3	3
Concrete block / Brick / Pipe	5	5	4	3
Granite	5	4	2	1
Asphalt	4	3	2	2
Sandstone / Limestone	4	3	3	2
Abrasive materials	4	3	3	2

Material	HPLDM	APLDM
Heavily reinforced concrete	5	2
Reinforced concrete	5	3
Cured concrete with hard aggregates	4	3
Cured concrete	5	3
Clinker	4	3
Concrete block / Brick / Pipe	5	3
Granite	4	2
Asphalt	2	5
Sandstone / Limestone	3	4
Abrasive materials	2	5



Wet core bits and segments - Product view



Wet core bits and segments - Product view



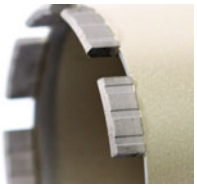
Wet core bits and segments: Crown



Wet core bits and segments: Trident



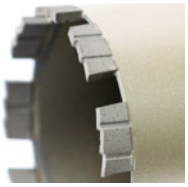
Wet core bits and segments: Flat



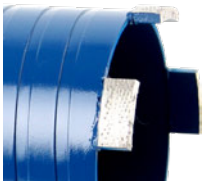
Wet core bits and segments: Roof turbo



Wet core bits and segments: Roof-top



Wet core bits and segments: Geared turbo



Wet core bits and segments: Zenesis



Wet core bits and segments: Turbo



Wet core bits and segments - Product view



Wet core bits and segments: Crown



Wet core bits and segments: Trident



Wet core bits and segments: Flat



Wet core bits and segments: Roof turbo



Wet core bits and segments: Roof-top



Wet core bits and segments: Geared turbo



Wet core bits and segments: Zenesis



Wet core bits and segments: Turbo

Source variant OE30P: wet concrete drilling

The older source lists OE30P for hard or cured concrete, reinforced concrete, concrete brick and blocks. Equipment: electric, gasoline or hydraulic core drills. Standard core length 14 inches; other lengths on request.

Code	Source dimensions [in]	Segment height
OE30P02014A	2 x .145 x 1 1/4-7	8 mm D
OE30P02214A	2 1/4 x .145 x 1 1/4-7	8 mm D
OE30P02514A	2 1/2 x .145 x 1 1/4-7	8 mm D
OE30P02714A	2 3/4 x .145 x 1 1/4-7	8 mm D
OE30P03014A	3 x .145 x 1 1/4-7	8 mm D
OE30P03214A	3 1/4 x .145 x 1 1/4-7	8 mm D
OE30P03514A	3 1/2 x .145 x 1 1/4-7	8 mm D
OE30P04014A	4 x .145 x 1 1/4-7	8 mm D
OE30P04214A	4 1/4 x .145 x 1 1/4-7	8 mm D
OE30P04514A	4 1/2 x .145 x 1 1/4-7	8 mm D
OE30P05014A	5 x .145 x 1 1/4-7	8 mm D
OE30P05514A	5 1/2 x .145 x 1 1/4-7	8 mm D
OE30P06014A	6 x .145 x 1 1/4-7	8 mm D
OE30P06214A	6 1/4 x .145 x 1 1/4-7	8 mm D

Technical source: Q061, page 6.



Wet core drills from the OE30P/OA30P source edition.

Source variant OA30P: wet asphalt drilling

For asphalt and abrasive concrete. The older source lists electric, gasoline or hydraulic core drills and standard core length 14 inches.

Code	Source dimensions [in]	Segment height
OA30P04214A	4 1/4 x .145 x 1 1/4-7	8 mm D
OA30P04514A	4 1/2 x .145 x 1 1/4-7	8 mm D
OA30P05014A	5 x .145 x 1 1/4-7	8 mm D
OA30P06014A	6 x .145 x 1 1/4-7	8 mm D
OA30P06214A	6 1/4 x .145 x 1 1/4-7	8 mm D

Technical source: Q061, page 6.

Dry core bits, BSL drill bits and socket core bits

Dry core bits: effective length 100 / 150 / 200 / 300; connectors M16 / M18 / 1¼"-7UNC / ½" Gas / 5/8"-11 UNC; normal, helical or cooling-hole tube. Cooling openings and helical bodies support low weight and dust extraction. Maximum operating speed: 12 m/s.

Zenesis: Supreme; Crown: Premium, Standard; Flat and Roof-Top: Premium, Standard, Economy; Turbo: Premium, Standard; PCD: Premium. BSL drill bits: Premium, maximum 2500 rpm. Socket core bits: M16 / M18, tube versions labelled “2 sleeves”, “3 sleeves” or dust holes; maximum operating speed 6 m/s.

Ratings for dry core bits, socket core bits and BSL drill bits are listed separately by tool type. Suitability for a BSL drill bit does not automatically approve the same material for a core bit.

Dry core bits

Diameter	Length / type	Thickness	Height
10 ~ 45D	Crown	2.0 / 2.5 / 3.0	7 / 10
32D / 37D / 42D / 47D / 52D / 57D / 62D / 67D / 72D / 82D / 90D / 102D / 107D / 112D / 122D / 128D / 132D	20 / 24	3.5	7 / 10
142D / 153D / 162D	20 / 24	3.5 / 4.0	7 / 10
182D / 202D	20 / 24	4	7 / 10

BSL drill bits

Diameter	Type	Height	Effective length	Connector	Maximum speed
5D / 6D / 7D / 8D / 10D / 12D / 14D	Crown	7	35	Smooth shank Ø13 × 47 / M14	2500 rpm

Socket core bits (Dosensenker)

Diameter	Segment length	Thickness	Height	Effective length	Maximum operating speed
68D	20	3.5	7 / 10	62	6 m/s
82D	24	3.5	7 / 10	62	6 m/s
102D	24	3.5	7 / 10	62	6 m/s
112D	24	3.5	7 / 10	62	6 m/s

Product code	Type
UUZDD	Supreme / Zenesis
UPLDD	Premium
USLDD	Standard
UELDD	Economy
UPLDD(P)	Premium / PCD
TPBDD	Premium / BSL

Dry core bits

Material	UUZDD	UPLDD	USLDD	UELDD
Heavily reinforced concrete	3	2	1	1
Reinforced concrete	4	3	2	1
Cured concrete with hard aggregates	5	4	2	2
Cured concrete	5	5	3	2
Clinker	5	4	3	3
Concrete block / Brick / Pipe	5	5	4	3
Granite	5	3	2	1
Asphalt	4	4	3	2
Sandstone / Limestone	4	3	3	2
Abrasive materials	4	4	3	3
Tile / Ceramic / Porcelain	0	0	0	0

Material	UPLDD(P)
Heavily reinforced concrete	0

Material	UPLDD(P)
Reinforced concrete	0
Cured concrete with hard aggregates	0
Cured concrete	0
Clinker	0
Concrete block / Brick / Pipe	3
Granite	0
Asphalt	3
Sandstone / Limestone	3
Abrasive materials	3
Tile / Ceramic / Porcelain	0

Socket core bits

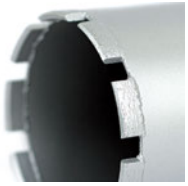
Material	UPLDD	UELDD	UPLDD(P)
Heavily reinforced concrete	2	1	0
Reinforced concrete	3	1	0
Cured concrete with hard aggregates	3	2	0
Cured concrete	4	2	0
Clinker	4	3	0
Concrete block / Brick / Pipe	5	3	3
Granite	3	1	0
Asphalt	3	2	3
Sandstone / Limestone	3	2	3
Abrasive materials	3	3	3
Tile / Ceramic / Porcelain	0	0	0

BSL drill bits

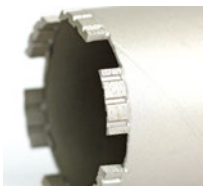
Material	TPBDD
Heavily reinforced concrete	0
Reinforced concrete	0
Cured concrete with hard aggregates	0
Cured concrete	0
Clinker	0
Concrete block / Brick / Pipe	0
Granite	0
Asphalt	0
Sandstone / Limestone	0
Abrasive materials	0
Tile / Ceramic / Porcelain	5



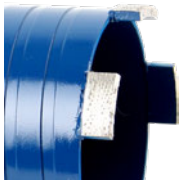
Dry core bits, BSL drill bits and socket core bits - Product view



Dry core bits, BSL drill bits and socket core bits: Roof-Top



Dry core bits, BSL drill bits and socket core bits: Turbo



Dry core bits, BSL drill bits and socket core bits: Zenesis



Dry core bits, BSL drill bits and socket core bits: Crown



Dry core bits, BSL drill bits and socket core bits: Drill bits



Dry core bits, BSL drill bits and socket core bits - Product view



Dry core bits, BSL drill bits and socket core bits: Flat



Dry core bits, BSL drill bits and socket core bits - Product view



Dry core bits, BSL drill bits and socket core bits - Product view



Dry core bits, BSL drill bits and socket core bits: Roof-Top



Dry core bits, BSL drill bits and socket core bits - Product view

Construction: grinding and polishing

Segmented, PCD and rim cup wheels for angle grinders complement the floor grinding and polishing tool programme. Selection considers concrete hardness, bond, grit and the intended processing stage.



Construction: grinding and polishing - Application

Cup wheels for angle grinders

Dry use, maximum operating speed 80 m/s. Segment forms Single, Double, Round-T, Turbo and 2 groove-turbo seg: Premium, Standard, Economy; Fan cup double, Spot welded, Slant-T and Arrow: Premium, Standard. PCD versions are illustrated in Premium and Standard. Rim forms Turbo-straight and Turbo-wave: Premium, Standard, Economy; Cutter-fan: Premium, Standard.

Segmented and rim cup wheels have separate material ratings. For paint and epoxy, PCD is rated Premium 5 and Standard 3. A separate Standard PCD product code is not listed; we will specify this version for your machine and application.

Segmented cup wheels

Diameter	Segment length	Height	Connector	Maximum operating speed
4" (100)	30 / 23	5.5	22.23 / M14	80 m/s
4.5" (115)	30 / 23	5.5	22.23 / M14	80 m/s
5" (125)	32 / 25	5.5	22.23 / M14	80 m/s
6" (150)	35 / 28	5.5	22.23 / M14	80 m/s
7" (180)	35 / 28	5.5	22.23 / M14	80 m/s

PCD cup wheels

Diameter	PCD size	Connector	Maximum operating speed
4" (100) / 4.5" (115) / 5" (125) / 6" (150) / 7" (180)	5 × 5 × 8 / 4 × 4 × 8	22.23 / M14	80 m/s

Rim cup wheels

Diameter	Height	Thickness	Connector	Body	Maximum operating speed
4" (100) / 5" (125) / 6" (150) / 7" (180)	5	20	22.23 / M14	Steel / aluminium	80 m/s

Product code	Type
UPLPX	Premium
USLPX	Standard
UELPX	Economy

Segmented cup wheels

Material	UPLPX	USLPX	UELPX
Cured concrete	5	3	2
Hard concrete	5	2	1
Refractory	4	3	2
Concrete block / Brick	5	4	3
Natural stones	4	2	2
Granite	4	2	1
Sandstone / Limestone	4	2	2
Asphalt	4	2	2
Abrasive materials	4	2	2
Universal masonry	4	2	2
Paint / Epoxy	0	0	0

Rim cup wheels

Material	UPCPX	USCPX	UECPX
Cured concrete	4	2	1
Hard concrete	0	0	0
Refractory	0	0	0
Concrete block / Brick	4	3	2
Natural stones	5	2	2
Granite	5	3	2
Sandstone / Limestone	0	0	0
Asphalt	0	0	0
Abrasive materials	0	0	0
Universal masonry	0	0	0
Paint / Epoxy	0	0	0

PCD cup wheels

Material	UPLPX(P)	Standard PCD: code on request
Cured concrete	0	0
Hard concrete	0	0
Refractory	0	0
Concrete block / Brick	0	0
Natural stones	0	0
Granite	0	0
Sandstone / Limestone	0	0
Asphalt	0	0
Abrasive materials	0	0
Universal masonry	0	0
Paint / Epoxy	5	3



Cup wheels for angle grinders - Product view



Cup wheels for angle grinders - Product view



Cup wheels for angle grinders - Product view



Cup wheels for angle grinders: PCD (STD)



Cup wheels for angle grinders: PCD (PRE)



Cup wheels for angle grinders: 2 groove-turbo seg



Cup wheels for angle grinders: Turbo



Cup wheels for angle grinders: Round-T



Cup wheels for angle grinders: Arrow



Cup wheels for angle grinders: Spot welded



Cup wheels for angle grinders: Double



Cup wheels for angle grinders: Single



Cup wheels for angle grinders: Fan cup double



Cup wheels for angle grinders: Slant-T



Cup wheels for angle grinders: Turbo-straight



Cup wheels for angle grinders: Turbo-wave



Cup wheels for angle grinders: Cutter-fan

Floor grinding: FAST system

FAST stands for Flexible Angle Segment Technology. Segments can be oriented horizontally, at a slant or vertically. The catalogue presents the approach as a first introduction of multi-directional segment technology. Different orientations balance removal rate and the required scratch pattern. The four-level scale is a relative selection guide within this system.

Horizontal - level 4: most aggressive removal, deeper scratches, for faster removal. Slant - level 3: lighter, shallower scratches while maintaining aggressive grinding speed. Combined vertical and slant - level 2: a smoother scratch pattern with speed, for production throughput. Vertical - level 1: the shallowest and smoothest scratch pattern, for polishing and high-finish applications.



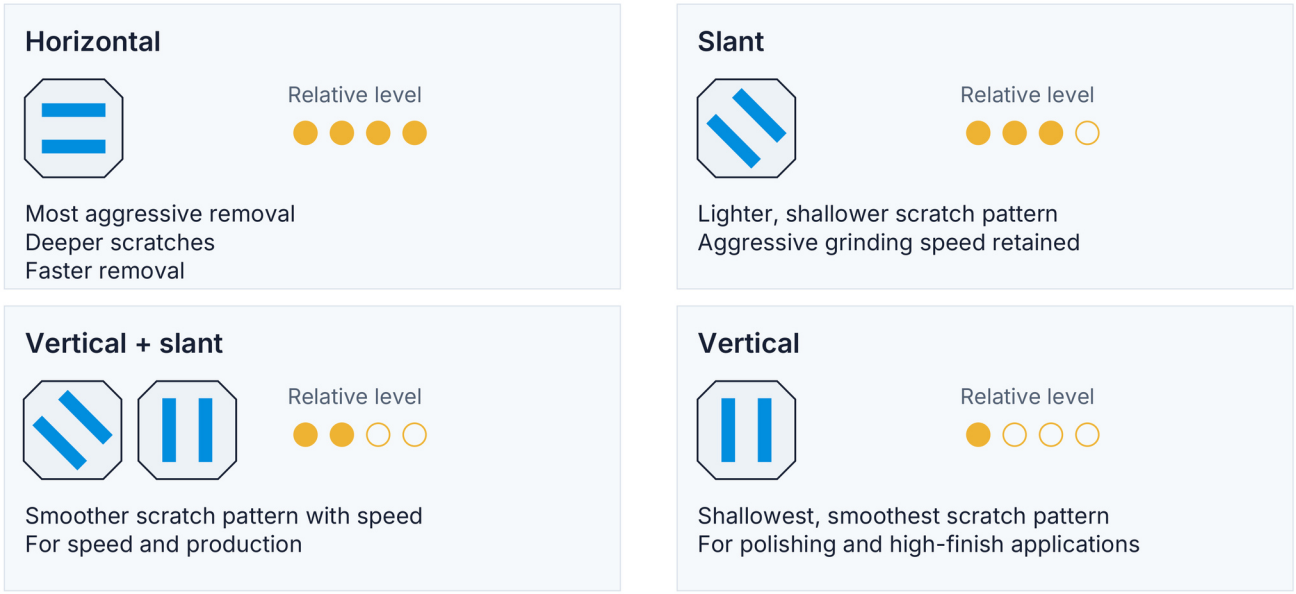
Floor grinding: FAST system - Application

FAST: three segment orientations



FAST: three segment orientations

FAST: orientation and relative scratch pattern



Four-level manufacturer selection guide within the FAST system.

FAST: orientation and relative scratch pattern

Floor grinder tools and pads

Wing tools, pads, plates, Frankfurt and Button versions are available for the illustrated wet and dry applications. Metal-bonded wings combine grit A with concrete/bond hardness B: product code = CSFGM + A + B; example CSFGM30/40VS.

Resin polishing pads: product code = CSFGM + A (Velcro colour / grit) + B (product form); example CSFGM3000P1. Burnishing pads: product code = CSFGM + A (grit colour / grit) + B (product form); example CSFGM800O. Colour coding, grits and product suffixes are fully specified in the following tables.

PCD wings

Type	Product code	Application
Type 1	CSFGM-PCD(1)	Paint / epoxy removal
Type 2	CSFGM-PCD(2)	Paint / epoxy removal
Split	CSFGM-PCD(S)	Paint / epoxy removal

Metal wing grit colours

Grit	Colour	Grade	Application
#14 / 16	Red	Coarse	Grinding & paint / epoxy removal
#16 / 18	Orange	Coarse	Grinding & paint / epoxy removal
#25 / 30	Yellow	Coarse	Grinding & paint / epoxy removal
#30 / 40	Yellow green	Coarse	Grinding & paint / epoxy removal
#60 / 80	Green	Medium	Grinding
#80 / 100	Sky blue	Medium	Grinding
#120 / 140	Navy	Fine	Grinding
#170 / 200	Purple	Fine	Grinding
#270 / 325	Pink	Fine	Grinding

Concrete / bond hardness colours

Code	Concrete hardness	Bond hardness	Colour
VS	Very soft concrete	Very hard bond	White
SO	Soft concrete	Hard bond	Gray
ME	Medium concrete	Medium bond	Metal blue
HD	Hard concrete	Soft bond	Navy
VH	Very hard concrete	Very soft bond	Black

Resin pad backing colours

Grit	Velcro colour
#50	Blue
#100	Yellow
#200	Orange
#400	Red
#800	Green
#1500	Aquamarine
#3000	Brown

Resin pad product suffixes

Suffix	Type
P1	Pizza
P2	Pizza
F	Fan
E	Edge

Burnishing pad colours

Grit	Colour
#400	Brown
#800	Green
#1500	Blue
#3000	Yellow
Buff	Gray

Burnishing product suffixes

Suffix	Type
W	BSL
D	Dual
O	Origin

Floor grinding plates / other forms

Type	Product code	Application
Metal grinding plate	CSFGM(O)	Grinding & paint / epoxy removal; coarse / medium
PCD split plate	CSFGM(S)	PCD split
Frankfurt	CSFGM(F)	Grinding; coarse
Button	CSFGM(B)	Grinding; coarse



Floor grinder tools and pads: PCD split plate



Floor grinder tools and pads: PCD split plate



Floor grinder tools and pads: Metal grinding plate



Floor grinder tools and pads: Button



Floor grinder tools and pads: CSFGM-PCD(2)



Floor grinder tools and pads: CSFGM-PCD(S)



Floor grinder tools and pads - Product view



Floor grinder tools and pads - Product view



Floor grinder tools and pads - Product view



Floor grinder tools and pads - Product view



Floor grinder tools and pads - Product view



Floor grinder tools and pads: CSFGM-PCD(1)



Floor grinder tools and pads: O



Floor grinder tools and pads: D



Floor grinder tools and pads: Grinding



Floor grinder tools and pads - Product view



Floor grinder tools and pads - Product view

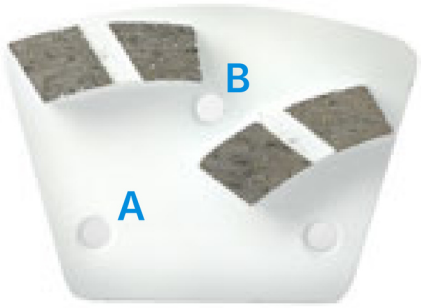


Floor grinder tools and pads: Frankfurt



Floor grinder tools and pads: W

Metal-bonded wings



CSFGM + A + B

A: Grit / grit colour	B: Concrete / bond hardness
30/40	VS

Example: CSFGM30/40VS

Metal-bonded wings

Resin polishing pads



P1 P2 F E

CSFGM + A + B

A: Grit / Velcro colour	B: Product form
3000	P1

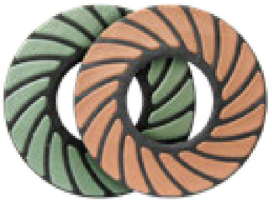
Example: CSFGM3000P1

Resin polishing pads

Burnishing pads



W



D



O

CSFGM + A + B

A: Grit / grit colour	B: Product form
800 ■	O

Example: CSFGM800O

Burnishing pads

Stone: slab processing

Quarrying and slabbing wires, block saw blades and calibrating/polishing tools support processing from the raw block to the finished slab.



Stone: slab processing - Application

Wires for quarrying and slabbing

Wet use. Quarrying beads: Zenesis sintered (Supreme), sintered (Premium, Standard, Economy), electroplated and brazed (Supreme, Premium). Material ratings distinguish granite classes 6, 5, 3~4, 1~2 and marble. The product matrix lists Zenesis sintered under Premium, while the illustration is labelled Supreme; the actual grade is therefore specified by product code.

Granite slabbing wires are available in stationary, multi and multi-bead versions, each with Life, Standard and Speed selection groups. Maximum operating speed of the listed wires: 40 m/s.

Quarrying wire / beads

Bead diameter	Sintered	Electroplated / brazed	Assembly	Maximum operating speed
10.5	Beads only	-	-	40 m/s
11	40 beads/m	Beads only	Rubber	40 m/s
11.5	40 beads/m	-	Rubber	40 m/s

Slabbing wire

Bead diameter / type	Sintered beads/m	Height	Assembly	Maximum operating speed
11 (stationary)	30 / 37	6	Plastic	40 m/s
8.5 / 8.3 / 8 (stationary)	37	6 / 7	Plastic	40 m/s
7.3 (multi)	37	6 / 7	Plastic	40 m/s
6.3 (multi)	37	7	Plastic	40 m/s
5.3 (multi)	37	7	Plastic	40 m/s

Slabbing wire product codes

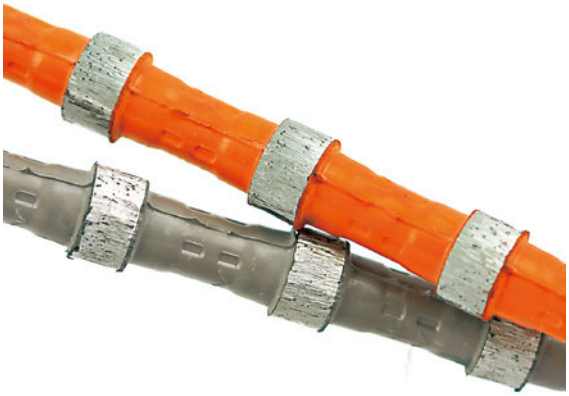
Granite wire type	Life	Standard	Speed
Stationary	GPWSW	GSWSW	GEWSW
Multi	GPWTW	GSWTW	GEWTW
Multi bead	GPWTX	GSWTX	GEWTX

Product code	Type
GPZRW	Premium / Zenesis sintered
GPWQW	Premium / Sintered
GSWQW	Standard / Sintered
MSWMW(E)	Standard / Electroplated
MSWMW(B)	Standard / Brazed
GEWQW	Economy / Sintered
MEWMW(S)	Economy / Sintered

Application ratings

Material	GPZRW	GPWQW	GSWQW	MSWMW(E)
Granite class 6	4	4	2	0
Granite class 5	3	3	3	0
Granite class 3~4	2	2	4	0
Granite class 1~2	1	1	3	0
Marble	0	0	0	4

Material	MSWMW(B)	GEWQW	MEWMW(S)
Granite class 6	0	0	0
Granite class 5	0	2	0
Granite class 3~4	0	3	0
Granite class 1~2	0	4	0
Marble	4	0	3



Wires for quarrying and slabbing - Product view



Wires for quarrying and slabbing: Electroplated



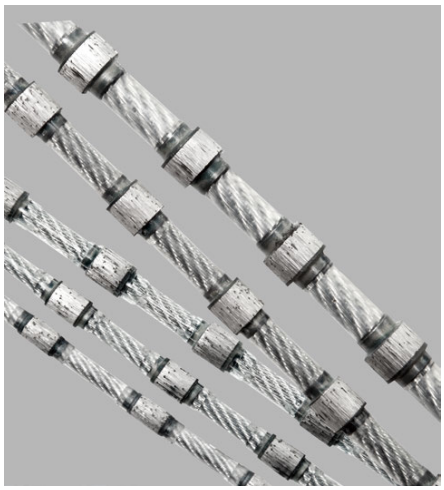
Wires for quarrying and slabbing: Brazed



Wires for quarrying and slabbing: Sintered



Wires for quarrying and slabbing: Zenesis sintered



Wires for quarrying and slabbing - Product view

Block sawing, calibrating and polishing

Wet use. Block saw segments are also available for slate, soapstone and sandstone. Segment forms: Zenesis, Normal, Sandwich, Taper and Step. Normal and Zenesis versions are available for single-blade and multi-blade machines.

Calibration rollers are offered for engineered stone. Satellite tools and metal- and resin-bonded fickerts process granite and engineered stone from pre-cutting to finishing.

Block saw blades

Diameter	Thickness options	Height: granite	Height: marble / limestone	Material hardness
36" (900)	7 / 7.5	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft
40" (1000) ~ 44" (1100)	7.5 / 8	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft
48" (1200) ~ 52" (1300)	8 / 8.5	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft
60" (1500) ~ 72" (1800)	9.5 / 10	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft
80" (2000)	10 / 10.5	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft
100" (2500) ~ 120" (3000)	11 / 12	12 / 15 / 20	8 / 10 / 12	Hard / medium / soft

Block saw product codes

Material	Zenesis single blade	Zenesis multi blades	Single blade	Multi blades
Granite	GUZBS	GUZBO	GSLBS	GSLBO
Marble	MUZBS	MUZBO	MSLBS	MSLBO

Calibrating / polishing

Item	Size	Thickness	Grit	Application	Product code
Calibration rollers	D180	60	#30 / #50	Calibrating; engineered stone	ESSDW
Satellite	D150	15	#25 / #30 / #50	Pre-cutting; granite / engineered stone	GSSPW
Metal fickerts	130	15	#30 / #40 / #50 / #80 / #120 / #140 / #170 / #230 / #325	Finishing; granite / engineered stone	GSSKW
Resin fickerts	130 / 170	25 / 30	#100 / #200 / #300 / #400 / #500 / #600 / #800 / #1500 / #2000 / #3000 / #5000	Finishing; granite / engineered stone	GSSKW(R)



Block sawing, calibrating and polishing - Product view



Block sawing, calibrating and polishing - Product view



Block sawing, calibrating and polishing: Taper



Block sawing, calibrating and polishing: Sandwich



Block sawing, calibrating and polishing: Step



Block sawing, calibrating and polishing: Normal



Block sawing, calibrating and polishing: Zenesis



Block sawing, calibrating and polishing - Application



Block sawing, calibrating and polishing - Application



Block sawing, calibrating and polishing: Metal fickerts



Block sawing, calibrating and polishing: Satellite



Block sawing, calibrating and polishing: Resin fickerts



Block sawing, calibrating and polishing: Calibration rollers

Stone: fabricating and finishing

Matched tool forms support cutting, grinding, drilling, polishing and profiling, as well as CNC, edge and special tooling. The following groups distinguish granite, engineered stone, ultra-compact engineered stone, marble and limestone.



Stone: fabricating and finishing - Application

Bridge saws for stone processing

Wet use. Normal and silent steel cores are available. Forms: Zenesis Short 24L and Zenesis Normal (Supreme); Split (Premium); Normal (Premium, Standard, Economy); Ultra-compact (Premium, Standard). Granite/engineered stone and marble/limestone have separate dimension and application tables.

Granite / engineered stone

Diameter	Thickness	Height
12" (300)	3.0 / 3.2	10 / 12 / 15 / 20
14" (350)	3.0 / 3.2	10 / 12 / 15 / 20
16" (400)	3.6 / 4.0	10 / 12 / 15 / 20
18" (450)	3.6 / 4.0	10 / 12 / 15 / 20
20" (500)	3.6 / 4.0	10 / 12 / 15 / 20
24" (600)	4.0 / 4.5	10 / 12 / 15 / 20
32" (800)	4.0 / 4.5	10 / 12 / 15 / 20

Ultra-compact engineered stone

Diameter	Thickness	Height
12" (300)	2.2	7 / 10
14" (350)	2.8	7 / 10
16" (400)	2.8	7 / 10

Marble / limestone

Diameter	Thickness	Height
12" (300)	3.0 / 3.2	7 / 10
14" (350)	3.0 / 3.2	7 / 10
16" (400)	3.6 / 4.0	7 / 10
18" (450)	3.6 / 4.0	7 / 10
20" (500)	3.6 / 4.0	7 / 10
24" (600)	4.0 / 4.5	7 / 10
32" (800)	4.0 / 4.5	7 / 10

Product code	Type
GUZTW	Supreme / Zenesis short 24L
GUZTW(N)	Supreme / Zenesis normal
GPLRW	Premium / Split
GPLRW(N)	Premium / Normal
EPLRW	Premium / Ultra-compact
ESLRW	Standard / Ultra-compact
GSLRW	Standard / Normal
GELRW	Economy / Normal

Application ratings

Material	GUZTW	GUZTW(N)	GPLRW	GPLRW(N)
Granite / Engineered stone: Hard	5	4	5	3
Granite / Engineered stone: Medium	5	5	5	4
Granite / Engineered stone: Soft	4	5	4	4
Ultra compact	0	0	0	0

Material	EPLRW	ESLRW	GSLRW	GELRW
Granite / Engineered stone: Hard	0	0	3	2
Granite / Engineered stone: Medium	0	0	3	3
Granite / Engineered stone: Soft	0	0	3	3
Ultra compact	4	4	0	0

Product code	Type
MUZTW	Supreme / Zenesis normal
MPLRW	Premium / Normal
MSLRW	Standard / Normal
MELRW	Economy / Normal

Application ratings

Material	MUZTW	MPLRW	MSLRW	MELRW
Marble / Limestone: Hard	5	4	3	2
Marble / Limestone: Medium	5	4	4	3
Marble / Limestone: Soft	4	4	4	3



Bridge saws for stone processing - Product view



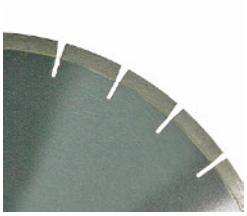
Bridge saws for stone processing: Split



Bridge saws for stone processing: Zenesis normal



Bridge saws for stone processing: Zenesis short 24L



Bridge saws for stone processing: Normal



Bridge saws for stone processing: Ultra - compact

Angle grinders and circular saws for stone

Dry use. Laser-welded forms: Zenesis (Supreme), Normal, Z-Turbo and S-Turbo (Premium, Standard). Electroplated forms SO, EH, T and R: Premium, Standard. Turbo forms Pegasus, Tornado, Tiger-teeth, Ace, Typhoon and Narrow: Premium, Standard.

Laser-welded blades

Diameter	Thickness	Height
4.5" (115)	2.2	10 / 12
5" (125)	2.2	10 / 12
7" (180)	2.4	10 / 12
9" (230)	2.4	10 / 12

Turbo blades

Diameter	Thickness	Height
4.5" (115)	2.0 / 2.2	10
5" (125)	2.0 / 2.2	10
7" (180)	2.3 / 2.5	10
9" (230)	2.5 / 2.8	10
12" (300)	3.0 / 3.2	10

Electroplated specification

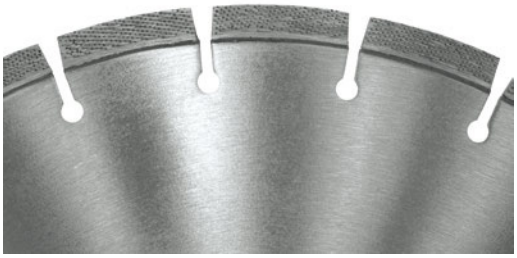
Diameter	Thickness T	Width W
115 / 125	2.5	3
180 / 230	2.8	3
300 / 350	3.0	3

Product code	Type
GUZAD	Supreme / Zenesis laser welded
GPLAD	Premium / Laser welded
GSLAD	Standard / Laser welded
GPCTD	Premium / Turbo
GSCTD	Standard / Turbo
MPESD	Premium / Electroplated
MSESD	Standard / Electroplated

Application ratings

Material	GUZAD	GPLAD	GSLAD	GPCTD
Granite	5	4	3	5
Engineered stone	5	4	3	5
Hard granite	5	4	3	5
Marble	3	2	2	3

Material	GSCTD	MPESD	MSESD
Granite	3	0	0
Engineered stone	3	0	0
Hard granite	3	0	0
Marble	2	5	3



Angle grinders and circular saws for stone: Zenesis



Angle grinders and circular saws for stone - Product view



Angle grinders and circular saws for stone - Product view



Angle grinders and circular saws for stone: T



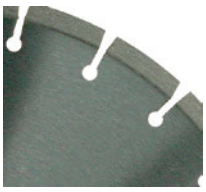
Angle grinders and circular saws for stone: R



Angle grinders and circular saws for stone: Electroplated



Angle grinders and circular saws for stone: Z-turbo



Angle grinders and circular saws for stone: Normal



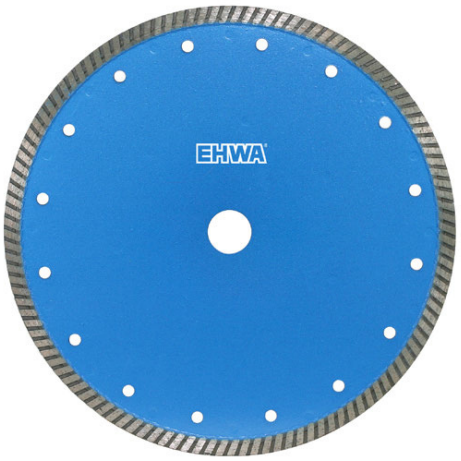
Angle grinders and circular saws for stone: S-turbo



Angle grinders and circular saws for stone: Tornado



Angle grinders and circular saws for stone: Tiger-teeth



Angle grinders and circular saws for stone: Narrow



Angle grinders and circular saws for stone: Pegasus



Angle grinders and circular saws for stone: Typhoon



Angle grinders and circular saws for stone: Ace

Cutting and grinding stone

Dry use. WG and CVR cutting/grinding tools and concave CVT/CVP versions are assigned to granite and engineered stone. Electroplated VN and CVE versions process marble and limestone. Select the combination tool for the specified operation.

Cutting / grinding and concave blades

Type	Diameter	Thickness	Height	Connector	Product code
WG	4.5" (115) / 5" (125) / 7" (180)	2.5	7.5 ~ 25	22.23 / M14	GSLAX(W)
CVR	4.5" (115) / 5" (125) / 7" (180)	3.8	6.5	22.23 / M14	GSLAX(R)
Electroplated VN	4.5" (115) / 5" (125) / 7" (180)	2.5 / 2.8	3.0	22.23 / M14	MSLAD(VN)
Concave CVT	4.5" (115) / 5" (125) / 7" (180)	3.8 / 4.2	6.5	22.23 / M14	GSLAD(T)
Concave CVP	4.5" (115) / 5" (125) / 7" (180)	3.0	6.5	22.23 / M14	GSLAD(P)
Concave electroplated CVE	4.5" (115) / 5" (125) / 7" (180)	3.2	3.0	22.23 / M14	MSLAD(E)



Cutting and grinding stone: Electroplated



Cutting and grinding stone - Product view



Cutting and grinding stone: Electroplated



Cutting and grinding stone - Product view



Cutting and grinding stone - Product view



Cutting and grinding stone - Product view



Cutting and grinding stone - Product view

Cup wheels for stone

Dry grinding of granite and engineered stone with CF, resin, BSL, Turbo-straight and Turbo-wave versions. Steel or aluminium bodies and coarse, medium or fine grits are available.

Stone grinding cups

Diameter	Grit	Body	Connector
4" (100) / 5" (125) / 6" (150) / 7" (180)	Coarse / medium / fine	Steel / aluminium	22.23 / M14

Stone grinding cup codes

Type	Product code	Material
CF	GSSPW(C)	Granite / engineered stone
Resin	GSLAD	Granite / engineered stone
BSL	GSBPD	Granite / engineered stone
Turbo-straight	GSCPD	Granite / engineered stone
Turbo-wave	GSCPD(W)	Granite / engineered stone



Cup wheels for stone: Turbo-wave



Cup wheels for stone - Product view



Cup wheels for stone - Product view



Cup wheels for stone: Turbo-straight



Cup wheels for stone: Brazed single layer (BSL)



Cup wheels for stone: Resin

Drilling tools for stone

Manual versions are illustrated for wet and dry use; CNC versions for wet use. Side protection for manual core bits is available on request. The dimension table calls the vacuum-brazed version Vacuum, while the product illustration calls it BSL. Non-core bits are listed separately from core bits.

For CNC non-core bits, 7 is listed in the Thickness column. As this entry does not unambiguously identify a wall thickness, the value is retained as a table specification and clarified for the actual design.

Stone core bits

Type / item	Diameter	Thickness	Length	Connector
Manual: Zenesis / segmented / vacuum / turbo / electroplated	14 / 16 / 18 / 20 / 25 / 30 / 35 / 38 / 40 / 45 / 50 / 60 / 70 / 80 / 90 / 100	2.5 / 3 / 3.5	50	M14 / smooth shank
CNC: segmented	20 / 25 / 30 / 35 / 38 / 40 / 45 / 50	2.5	50	½" Gas
CNC: thin	20 / 25 / 30 / 35 / 38 / 40 / 45 / 50	1 / 1.5	50	½" Gas
CNC: crown	20 / 25 / 30 / 35 / 38 / 40 / 45 / 50	2.5	50	½" Gas
CNC: electroplated	20 / 25 / 30 / 35 / 38 / 40 / 45 / 50	2.5	50	½" Gas
CNC: non-core bits	5 / 6 / 7 / 8 / 10 / 12 / 15	7	50	½" Gas

Stone drilling product codes

Type	Product code	Material
Manual Zenesis	GPZDD	Granite / engineered stone
Manual segmented	GSLDD	Granite / engineered stone
Manual BSL	GSBDD	Granite / engineered stone
Manual turbo	GSCDD	Granite / engineered stone
Manual electroplated	MSEDW	Marble / limestone
CNC segmented	GSLDW	Granite / engineered stone
CNC thin	GSCDW(T)	Granite / engineered stone
CNC crown	GSLDW(C)	Granite / engineered stone
CNC non-core	GSLDW(N)	Granite / engineered stone
CNC electroplated	MSEDW(E)	Marble / limestone



Drilling tools for stone - Product view



Drilling tools for stone: Thin



Drilling tools for stone: Non core bits



Drilling tools for stone: Crown



Drilling tools for stone: Electroplated



Drilling tools for stone: Zenesis



Drilling tools for stone: Brazed single layer (BSL)



Drilling tools for stone: Turbo



Drilling tools for stone: Electroplated



Drilling tools for stone - Product view



Drilling tools for stone - Product view

Polishing pads for stone

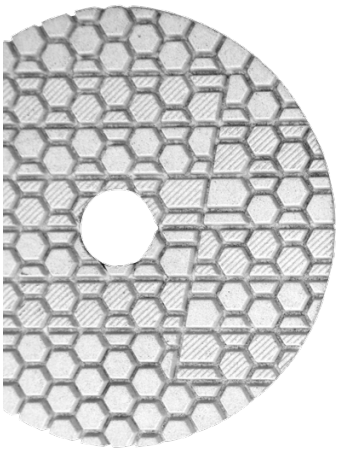
Wet/dry pads and dry pads process granite, engineered stone and marble; electroplated pads are assigned to marble and limestone. Wet pads in Premium, Standard and Economy, plus 4-step and copper pads, cover these materials. A dedicated version is available for engineered stone. The specification retains all listed grits including Buff.

Stone polishing pad dimensions

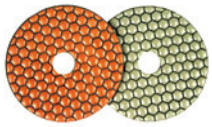
Type / item	Diameter	Thickness	Grit
Dry: wet & dry	3" (75) / 4" (100) / 5" (125)	2.0 / 2.5 / 3.4	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff
Dry: dry / electroplated	3" (75) / 4" (100) / 5" (125)	1.0	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff
Wet: wet / 4 steps / copper / engineered stone	3" (75) / 4" (100) / 5" (125)	2.0 / 2.5 / 3.0 / 3.4	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff

Stone polishing pad codes

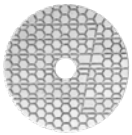
Type	Product code	Material
Wet & dry	GPPMD	Granite / engineered stone / marble
Dry	GSPMD	Granite / engineered stone / marble
Electroplated	MSPMD	Marble / limestone
Wet premium	GPPMW	Granite / engineered stone / marble
Wet standard	GSPMW	Granite / engineered stone / marble
Wet economy	GEPMW	Granite / engineered stone / marble
4 steps	GSPMW(4)	Granite / engineered stone / marble
Copper	GSPMW(C)	Granite / engineered stone / marble
Engineered stone	ESPMW(E)	Engineered stone



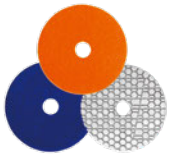
Polishing pads for stone - Product view



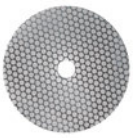
Polishing pads for stone: Dry



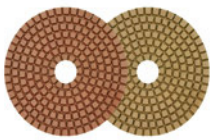
Polishing pads for stone: Wet & dry



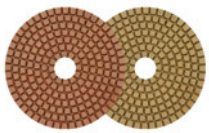
Polishing pads for stone: 4-Steps



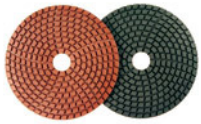
Polishing pads for stone: Electroplated



Polishing pads for stone: Copper



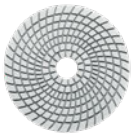
Polishing pads for stone: Wet (STD)



Polishing pads for stone: Wet (ECO)



Polishing pads for stone: Wet (PRE)



Polishing pads for stone: Engineered stone

Router bits, profile wheels and profile wires

Wet use. Router bits: Rim-F, Rim-V, Rim-E, Rim-A, segmented and BSL for granite and engineered stone; electroplated for marble and limestone. Profiles A, B, D, E, F, G, H, I, L, M, N, O, P, Q, R, T, U and V are illustrated in the shape overview.

Helical, concave and rim profile wheels are assigned to granite and engineered stone; electroplated profile wheels to marble and limestone. Profiles B, E and F are illustrated separately. Profile wires use sintered beads on plastic assembly; maximum operating speed 40 m/s.

Router bits

Working thickness	Grit	Connector
20 / 30 / 40 / 50 / 60	Coarse / medium / fine	M14 (angle grinder); M10 / M8 (Master); ½" Gas (Flex)

Router bit product codes

Type	Product code	Material
Rim-F	GSSRW(F)	Granite / engineered stone
Rim-V	GSSRW(V)	Granite / engineered stone
Rim-E	GSSRW(E)	Granite / engineered stone
Rim-A	GSSRW(A)	Granite / engineered stone
Segmented	GSSRX	Granite / engineered stone
BSL	GSSRD(V)	Granite / engineered stone
Electroplated	MSSRD	Marble / limestone

Profile wheels

Type	Shape	Diameter	Thickness
Helical	Flat	D200 / D250 / D300 / D350 / D400 / D450 / D500	15 / 30 / 40 / 50
Concave	B	D200 / D250 / D300 / D350 / D400 / D450 / D500	15 / 30 / 40 / 50
Rim	B / E / F	D150 / D200	10 / 13
Electroplated	B / E / F	D150 / D200	10 / 13

Profile wheel codes

Type	Product code	Material
Helical	GSSFW(H)	Granite / engineered stone
Concave	GSSFW(C)	Granite / engineered stone
Rim	GSSFW	Granite / engineered stone
Electroplated	MSSFW	Marble / limestone

Profile wire

Bead diameter	Sintered beads/m	Height	Assembly	Maximum operating speed	Product code
8.5 / 8 / 7.3	37	6 / 7	Plastic	40 m/s	GSWPW



Router bits, profile wheels and profile wires - Product view



Router bits, profile wheels and profile wires: Rim-V



Router bits, profile wheels and profile wires: Rim-F



Router bits, profile wheels and profile wires: Brazed single layer (BSL)



Router bits, profile wheels and profile wires: Segmented



Router bits, profile wheels and profile wires: Rim-E



Router bits, profile wheels and profile wires: Rim-A



Router bits, profile wheels and profile wires - Product view



Router bits, profile wheels and profile wires: Concave



Router bits, profile wheels and profile wires - Product view



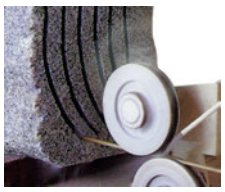
Router bits, profile wheels and profile wires: Helical



Router bits, profile wheels and profile wires: Electroplated

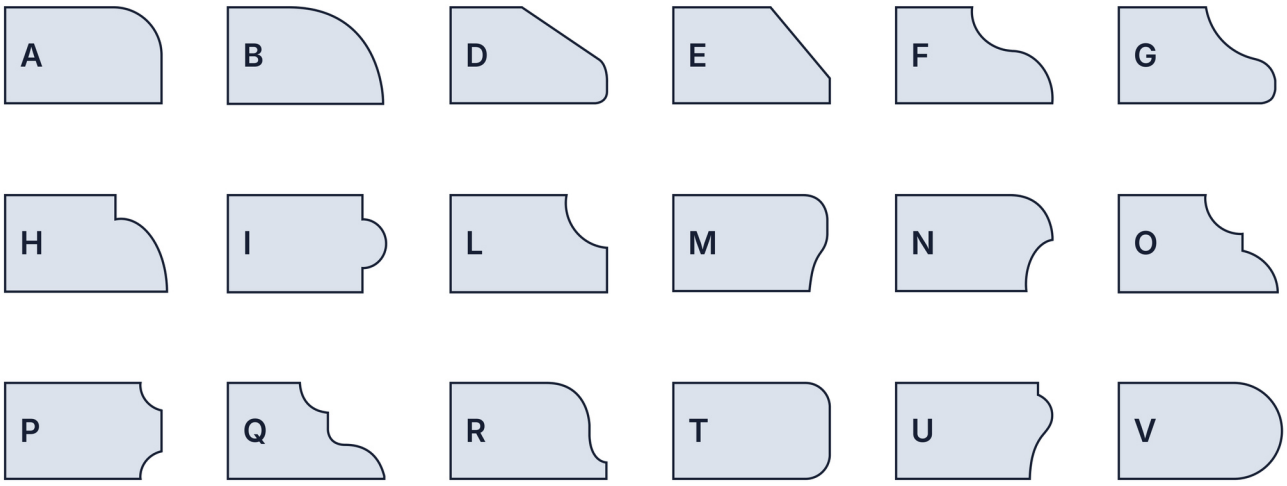


Router bits, profile wheels and profile wires: Rim



Router bits, profile wheels and profile wires - Application

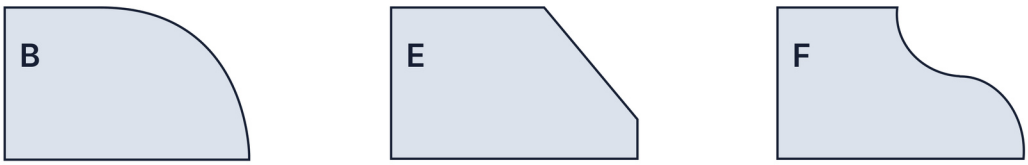
Router bits: 18 profiles



Schematic shape overview

Router bits: 18 profiles

Profile wheels: B, E, F



Schematic shape overview

Profile wheels: B, E, F

CNC finger bits and milling wheels

Wet use. Twist-7S, Twist-6S and Twist-4S finger bits are selected for speed and material; electroplated versions process marble and limestone. Step cutting covers all stone types. Listed processing values: 5500 rpm and feed rate 300 mm/min; match the actual machine, tool version and material to these values.

Segmented, resin and grooving milling tools are assigned to granite and engineered stone. Connections: H50, Snail lock or magnetic, and ½" Gas.

CNC finger bits

Type	Diameter	Length	Connector	Application	Product code
Twist-7S	D22	40 / 50	½" Gas	High speed	GPSBW(7)
Twist-6S	D20	40 / 50	½" Gas	Hard / medium granite	GPSBW(6)
Twist-4S	D20	40 / 50	½" Gas	Soft stone / engineered stone	GPSBW(4)
Electroplated	D16	40 / 50	½" Gas	Marble / limestone	MSSBW
Step cutting	D20	20	M12	All stone	GSSBW

CNC milling wheels

Type	Diameter	Height	Connector	Product code
Segmented	D87	20	H50	GSSPW(S)
Resin	D100	10	Snail lock / magnetic	GSSPW(R)
Grooving	D12 / D15	20	½" Gas	GSSPW(G)



CNC finger bits and milling wheels: Twist-7S



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels: Twist-6S



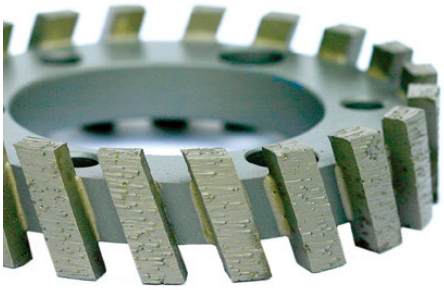
CNC finger bits and milling wheels: Twist-4S



CNC finger bits and milling wheels: Electroplated



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels: Step cutting



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



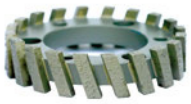
CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



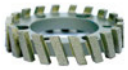
CNC finger bits and milling wheels: Segmented



CNC finger bits and milling wheels: Grooving



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels: Resin



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view



CNC finger bits and milling wheels - Product view

Processing straight and bullnose edges

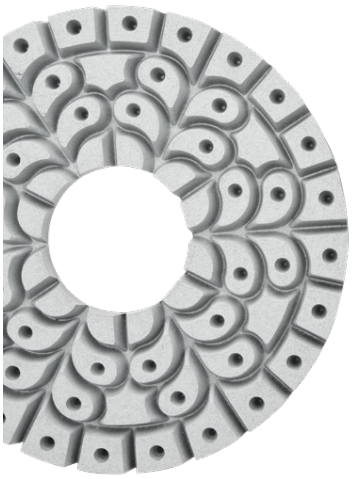
Wet use for granite and engineered stone. Straight edges: squaring, grinding, MT/TT polishing and chamfering. Bullnose edges: pre-cutting, profiling and polishing. Pos.1, Pos.2 and Pos.3 processing positions, grits and connections remain separate by operation.

Straight edge wheels

Type	Diameter	Grit / position	Thickness	Connector	Product code
Squaring	7" (180) / 8" (200)	Pos.1	8	H50mm	GSSPW(SS)
Grinding	4" (100) / 5" (125)	Pos.1 / Pos.2 / Pos.3	5	Snail	GSSPW(SC)
Polishing MT	5" (125) / 6" (150)	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff	4 / 8	Snail / Velcro	GSSPW(MT)
Polishing TT	5" (125) / 6" (150)	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff	4 / 8	Snail / Velcro	GSSPW(TT)
Chamfering	4" (100) / 5" (125)	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff	7	Snail	GSPWE(R)

Bullnosing wheels

Type	Diameter	Grit / position	Thickness	Connector	Product code
Pre-cutting	130	Pos.1	7	Snail / M24 / M30 / H50mm	GSPWB(S)
Profiling	135 / 150	Pos.1 / Pos.2 / Pos.3	6	Snail / M24 / M30 / H50mm	GSPWB(C)
Polishing	135 / 150	#50 / #100 / #200 / #400 / #800 / #1500 / #3000 / Buff	8	Snail	GSPWB(R)



Processing straight and bullnose edges - Product view



Processing straight and bullnose edges - Product view



Processing straight and bullnose edges: Squaring



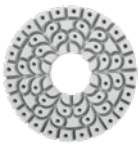
Processing straight and bullnose edges: Grinding



Processing straight and bullnose edges: Polishing (TT)



Processing straight and bullnose edges: Chamfering



Processing straight and bullnose edges: Polishing (MT)



Processing straight and bullnose edges: Polishing



Processing straight and bullnose edges: Profiling



Processing straight and bullnose edges: Pre-cutting

Drum wheels, polishers and mini tools

Drum tools for granite and engineered stone: grinding with BSL, segmented or resin-filled versions; polishing with wet or dry resin. Granite polishers: metal-bonded plastic bodies, resin-bonded plastic bodies and polishing tips. Observe the use marking of the respective version.

Mini tools for granite and marble are available electroplated, metal-bonded or BSL. The complete shape overview contains 15 forms with their respective diameters and heights and a Ø5.95 × 45L shaft.

Drum wheels

Type	Diameter	Height	Grit	Connector
Grinding	50 / 75	40 / 50	Coarse / medium / fine	M14
Polishing	50 / 75	40	#50 / #100 / #200 / #400 / #800 / #1500 / #3000	M14

Drum wheel product codes

Type	Product code	Material
BSL	GSSDD(V)	Granite / engineered stone
Segmented	GSSDD(S)	Granite / engineered stone
Resin filled	GSSDD(R)	Granite / engineered stone
Wet resin	GSSDW	Granite / engineered stone
Dry resin	GSSDD	Granite / engineered stone

Polishers

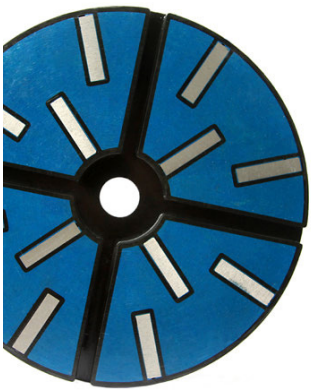
Type	Diameter	Grit	Connector	Product code
Metal: plastic body	8" (200) / 10" (250)	#50 / #100 / #200 / #400	M8	GSPTW(P)
Resin: plastic body	8" (200) / 10" (250)	#400 / #800 / #1500 / #3000	M8	GSPRW(P)
Resin: tip	8" (200) / 10" (250)	#400 / #800 / #1500 / #3000	M8	GSPRW(T)

Mini tools

Form no.	Diameter	Height	Shaft
1	25	5	Ø5.95 × 45L
2	30	5	Ø5.95 × 45L
3	30	1.9	Ø5.95 × 45L
4	25	6	Ø5.95 × 45L
5	30	1.8	Ø5.95 × 45L
6	16	8.7	Ø5.95 × 45L
7	8	6.6	Ø5.95 × 45L
8	8	16	Ø5.95 × 45L
9	8	16	Ø5.95 × 45L
10	12.5	15	Ø5.95 × 45L
11	10	30	Ø5.95 × 45L
12	12	20	Ø5.95 × 45L
13	13	12.2	Ø5.95 × 45L
14	12	17	Ø5.95 × 45L
15	14	12	Ø5.95 × 45L

Mini tool product codes

Type	Product code	Material
Electroplated	MSSMD	Granite / marble
Metal bond	GSSMD	Granite / marble
BSL	GSSMD(V)	Granite / marble



Drum wheels, polishers and mini tools - Product view



Drum wheels, polishers and mini tools: Plastic body



Drum wheels, polishers and mini tools: Segmented



Drum wheels, polishers and mini tools: Plastic body



Drum wheels, polishers and mini tools - Application



Drum wheels, polishers and mini tools - Product view



Drum wheels, polishers and mini tools: Brazed single layer (BSL)



Drum wheels, polishers and mini tools: Resin filled



Drum wheels, polishers and mini tools: Wet resin



Drum wheels, polishers and mini tools - Product view



Drum wheels, polishers and mini tools: Dry resin



Drum wheels, polishers and mini tools: Brazed single layer (BSL)

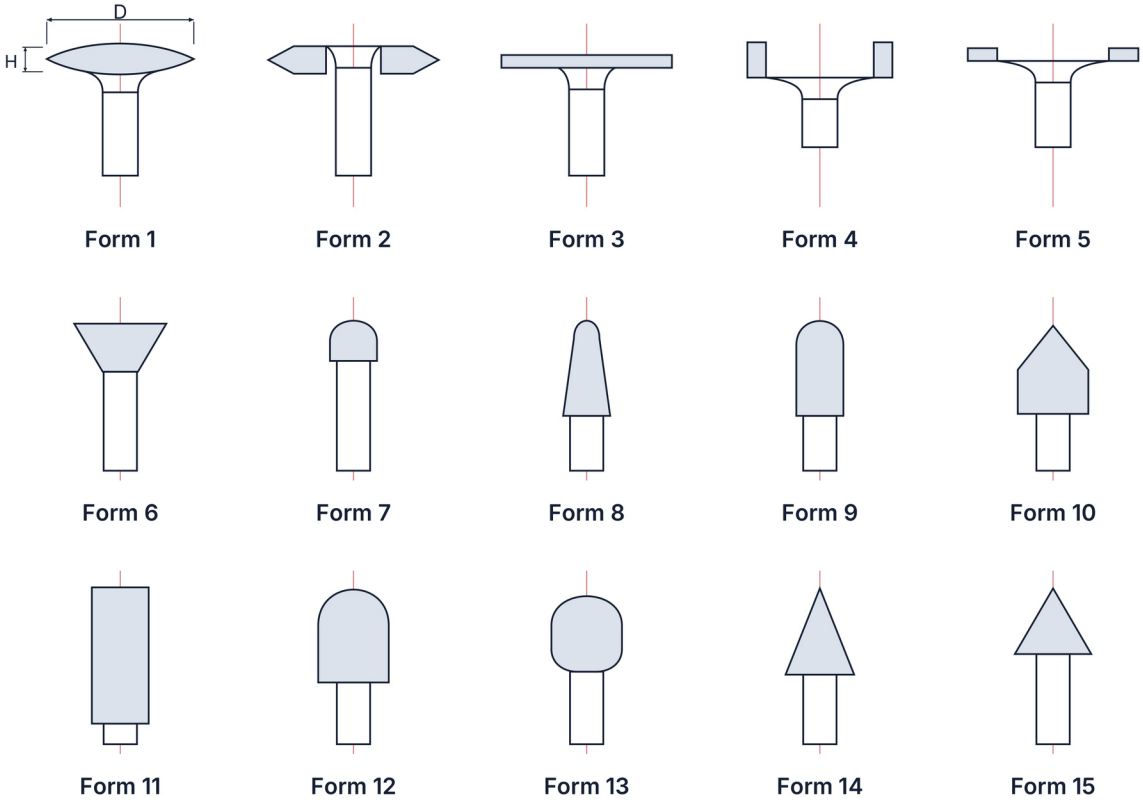




Drum wheels, polishers and mini tools: Metal bond

Drum wheels, polishers and mini tools: Electroplated

Mini tools: 15 forms



Schematic shape overview

Mini tools: 15 forms

DiamondX: BSL tools for metal

DiamondX uses BSL - Brazed Single Layer: diamond grit is brazed in a single layer onto the steel body. The attachment combines chemical and mechanical grit retention. X denotes the intended gain in tool life. The range comprises thin cut-off wheels, rail cut-off wheels, other cut-off wheels and depressed-centre grinding discs.

Applications: high- and low-carbon steel, ductile iron, steel sections, bars and tubes, hard-facing welding alloys, cast iron and rail track. Select the DiamondX tool explicitly suited to the operation.

The single-layer diamond coating is designed for longer life and fewer changeover interruptions than conventional abrasives such as aluminium oxide, zirconia alumina and silicon carbide. The steel body largely retains its basic geometry, providing more consistent tool size than consumable bonded cut-off wheels. Actual tool life depends on the tool, material and operating conditions.

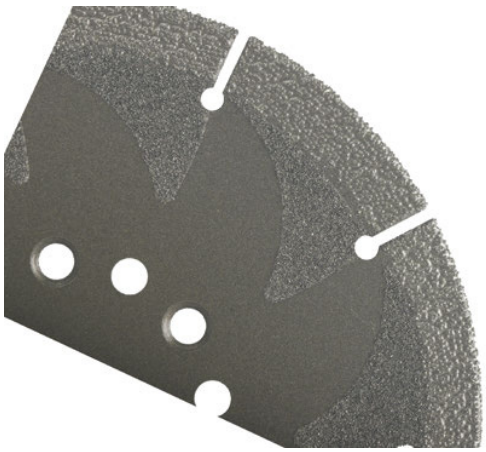
EHWA also describes reduced sparks and debris and avoidance of the binder-related odour of conventional discs. The steel body avoids their typical brittle bonded structure and supports a robust tool design. This does not imply immunity to breakage or wear: correct mounting, guards, personal protective equipment and permitted operating limits remain essential. The different forms support versatile cutting, grinding and surface applications.

BSL micrograph acquisition information

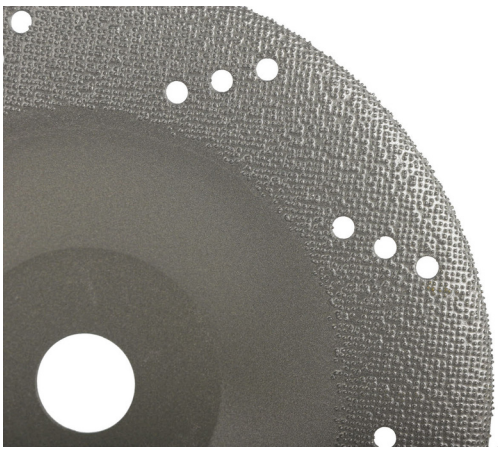
Detector	HV	Spot	Magnification	Working distance	Scale
ETD	25.0 kV	4.5	40×	13.5 mm	1.0 mm



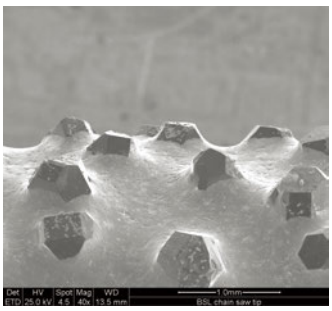
DiamondX: BSL tools for metal - Application



DiamondX: BSL tools for metal - Product view



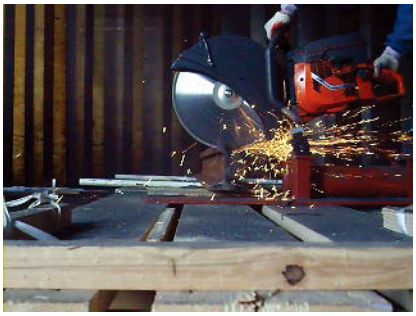
DiamondX: BSL tools for metal - Product view



BSL diamond coating: micrograph with 1.0 mm scale



DiamondX: BSL tools for metal - Application



DiamondX: BSL tools for metal - Application



DiamondX: BSL tools for metal - Application



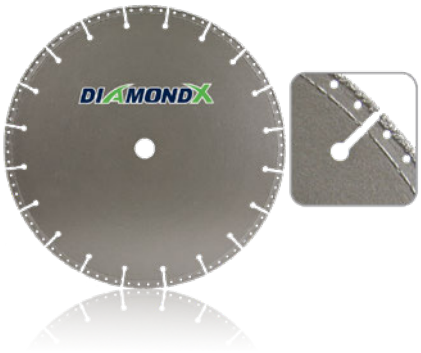
DiamondX: BSL tools for metal - Application



DiamondX: BSL tools for metal - Product view



DiamondX: BSL tools for metal - Product view



DiamondX: BSL tools for metal - Product view



DiamondX: BSL tools for metal - Product view

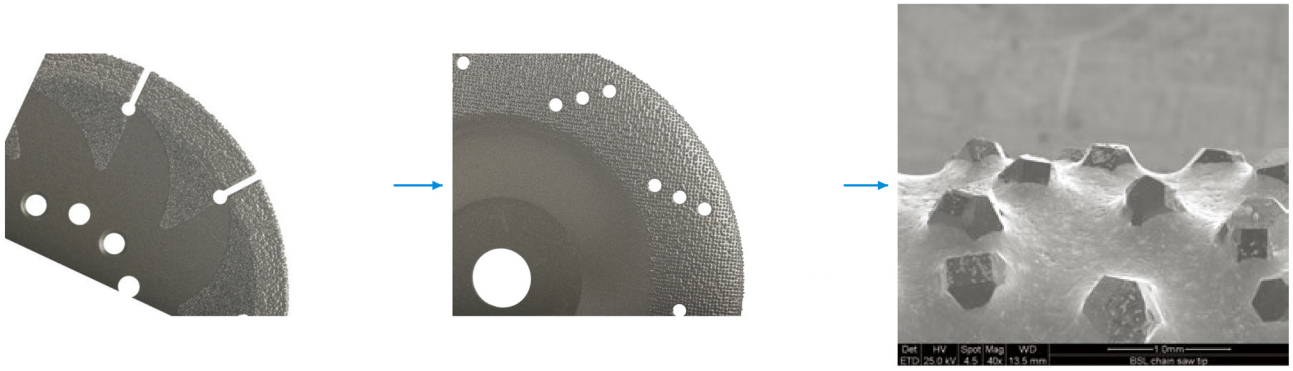


DiamondX: BSL tools for metal - Product view



DiamondX: BSL tools for metal - Product view

BSL: tool, diamond coating and coating detail



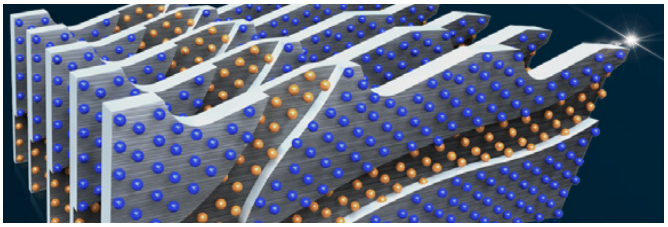
Micrograph: BSL diamond coating, scale 1.0 mm.

BSL: tool, diamond coating and coating detail

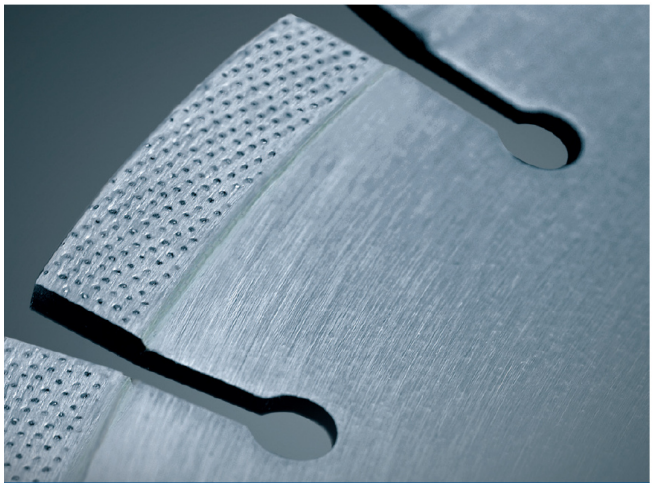
ZENESIS edition 5Pro: match the tool to the application

ZENESIS positions diamonds in a designed pattern within the segment. The edition 5Pro programme combines an optimized bond matrix with three-dimensional diamond placement. The design is tailored to the material, machine power and required balance between cutting speed and tool life. The programme covers floor, wall, hand-held, ring and battery saw blades, plus wet and dry core bits.

The development aims at fast working, smooth running and comfortable handling. Actual cutting speed, noise and tool life depend on the machine, material and operating conditions.



Three-dimensional diamond placement: qualitative manufacturer illustration, not to scale.



ZENESIS: detail photograph of diamond placement within the segment.

ZENESIS 5Pro for floor and wall saws

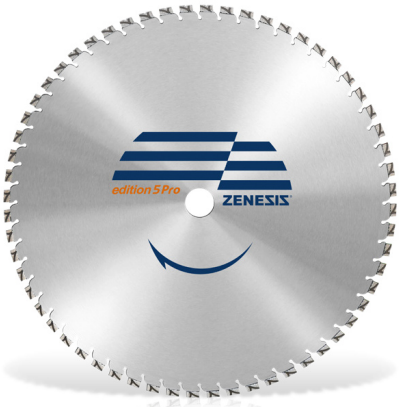
Tool family	Printed machine power [kW]	Family applications
ZEF-5Pro: Floor saws	<15; 15-35; 35-50; >60	Hard aggregate and high-strength concrete; medium-to-hard aggregate and medium-strength concrete; soft aggregate and low-strength concrete; asphalt and asphalt/concrete overlays
ZEW-5Pro: Wall saws	<5; 7.5-15; 15-25; >25	Heavily reinforced concrete with hard aggregate; reinforced concrete with medium aggregate; lightly reinforced concrete with soft aggregate; building materials

Power classes and application groups are printed independently in the source. They do not provide an unambiguous individual item assignment. The printed power classes leave 50-60 kW unspecified for ZEF-5Pro and 5-7.5 kW unspecified for ZEW-5Pro; the tool design for such machines is selected individually. The manufacturer also lists a silenced steel core for ZEW-5Pro.





ZENESIS 5Pro floor saw blade and segment view.





ZENESIS 5Pro wall saw blade and segment view.

Hand-held, ring and battery saw blades

Family	Printed code	Intended application
ZE-5Pro: Hand-held / ring saws	ZEHH / ZERH	Reinforced cured concrete and hard materials
ZE-5Pro: Hand-held / ring saws	ZEHS / ZERS	Lime aggregate and soft materials
ZE-5Pro: Hand-held saws	ZEHM	Multi-purpose design for different materials
ZE-5Pro: Battery saws	ZEBH	Reinforced cured concrete and hard materials

Hand-held and ring saw versions are listed in pairs. ZEHM is listed as a multi-purpose design. The battery version ZEBH remains a distinct selection. Blade design, diameter, mounting and speed must suit the specific machine.



ZENESIS 5Pro hand-held and ring saw blades.



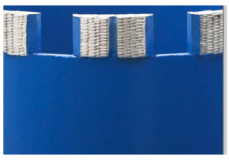
ZENESIS 5Pro blade for battery saws.

Wet and dry core bits

Use	Family / code	Manufacturer application profile
Wet drilling	ZECW-5Pro NDH	Designed for high drilling speed in reinforced concrete
Wet drilling	ZECW-5Pro NDX	Designed for drilling speed and tool life
Dry drilling	ZECD-5Pro VERA	Designed for drilling speed in reinforced concrete
Dry drilling	ZECD-5Pro GNF	Designed for drilling speed and tool life in hard concrete
Dry drilling	ZECD-5Pro DSK	Intended for hard materials

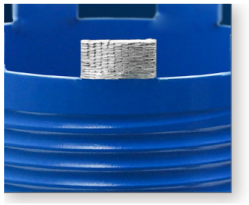
The illustration shows a turbo segment form for wet core bits and a flat segment form for dry core bits. The brochure does not list diameters, threads or machine power limits for these variants. These details are specified for the required design. Dry machining requires suitable dust extraction and the protective measures specified for the machine and material.





ZENESIS 5Pro wet core bits with turbo segment form.





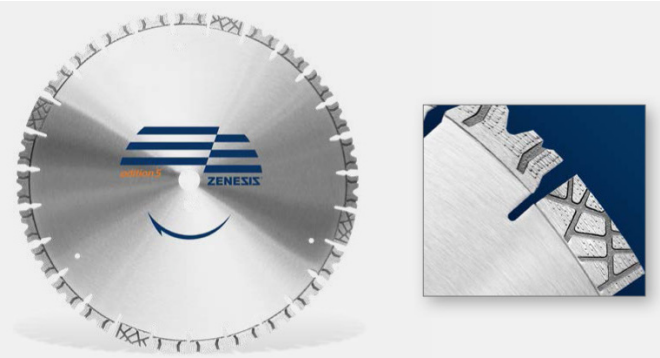
ZENESIS 5Pro dry core bits with flat segment form.

Additional ZENESIS designs: multi-purpose cutting and socket drilling

The edition 5 document lists two distinct applications that are not assigned replacement items in the 5Pro overview: the ZMP 5 multi-purpose blade and ZCD 5 socket drills. The names refer to the documented designs. They do not establish equivalence with 5Pro codes or a current availability commitment.

Design	Printed code	Application / size information
Multi-purpose saw blade	ZMP 5	Medium concrete and abrasive materials
Socket drill	ZCD 5-S	Hard limestone; source lists diameter indications 68 and 82
Socket drill	ZCD 5-M	Lightly reinforced concrete; source lists diameter indications 68 and 82

The size row is printed as “68 & 82D”, without a unit in that row. Diameter, mounting and the permitted machine profile are therefore confirmed for the specific socket drill. The illustrated dry core bits show turbo and flat segments, plus single and dual helical body designs.



ZMP 5: distinct multi-purpose design.



Dry core bits: segment and helical body designs illustrated in edition 5.

SMART PADS for rust, coatings and curved surfaces

The Japan document describes SMART PADS for removing rust and paint from ship surfaces and for working curved surfaces. Different diamond grits enable application-specific selection. The following items belong to the documented Japan programme; the required European design and availability are specified for the project.



SMART PADS: product family in different sizes.

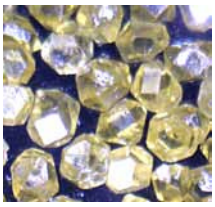


SMART PAD in surface machining: application photograph from the Japan programme.

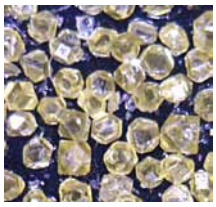
Size	Item number	Printed specification	Grit
4"	830400020	4" x 0.4T	#30
4"	830400021	4" x 0.4T	#40
4"	830400022	4" x 0.4T	#60
4"	830400023	4" x 0.4T	#80
4"	830400024	4" x 0.4T	#100
4"	830400025	4" x 0.4T	#120
4"	830400026	4" x 0.4T	#140
4"	830400027	4" x 0.4T	#170
4"	830400028	4" x 0.4T	#200
7"	830700020	7" x 0.4T	#30
7"	830700021	7" x 0.4T	#40
7"	830700022	7" x 0.4T	#60
7"	830700023	7" x 0.4T	#80
7"	830700024	7" x 0.4T	#100
7"	830700025	7" x 0.4T	#120
7"	830700026	7" x 0.4T	#140

Size	Item number	Printed specification	Grit
7"	830700027	7" x 0.4T	#170
7"	830700028	7" x 0.4T	#200

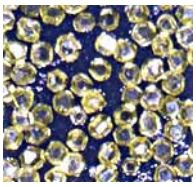
“0.4T” is retained as the printed specification; the source does not explain the unit of T. The dimension and machine mounting are confirmed before selection. The empty stock-number column in the source does not indicate availability.



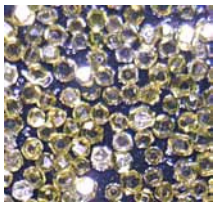
SMART PADS: illustrated diamond grit #30.



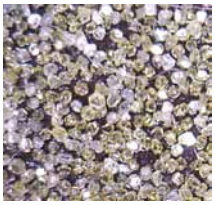
SMART PADS: illustrated diamond grit #40.



SMART PADS: illustrated diamond grit #60.



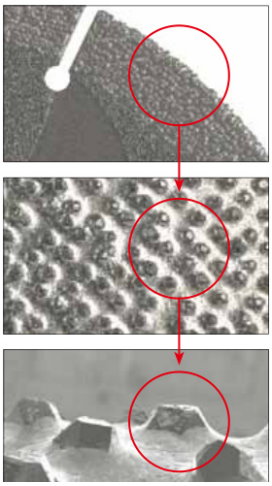
SMART PADS: illustrated diamond grit #80.



SMART PADS: illustrated diamond grit #100.



SMART PADS: illustrated diamond grit #200.



Diamond coating and detail views of SMART PADS:
qualitative microscope images without a size scale.

The brochure shows rust and paint surfaces worked with a SMART PAD, flap disc, cup brush and abrasive disc. These photographs illustrate surfaces; they provide no comparable measurements of time, removal rate or tool life.



Rust removal: SMART PAD.



Rust removal: flap disc.



Rust removal: cup brush.



Rust removal: abrasive disc.



Paint removal: SMART PAD.



Paint removal: flap disc.



Paint removal: cup brush.



Paint removal: abrasive disc.

NON-SKID CUP WHEELS for coating removal

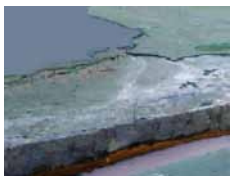
The Japan document describes NON-SKID CUP WHEELS for removing sand, epoxy and urethane coatings used as anti-slip layers on ship surfaces. The PCD cutting elements engage the coating. The documentation distinguishes a square-element design (“Hexahedron”) and a round-element design (“Round”).

Size	Item number	Cutting element shape
4"	800400001	Square / Hexahedron
4"	800400100	Round
7"	800700039	Square / Hexahedron
7"	800700060	Round

The manufacturer associates the square design with tool life and fast working, and the round design with tool life and fast rough removal. The source does not quantify the difference. These items are also documented regional variants; machine mounting, permissible speed and the European design are specified for the project.



NON-SKID CUP WHEELS: product family.



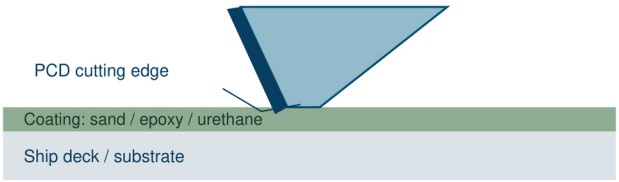
Coated surface as an application example.



Worked surface as an application example.



Coating removal with NON-SKID CUP: qualitative application photograph.



PCD coating removal principle: schematic, not to scale.



NON-SKID CUP with square cutting elements.



Square PCD cutting element detail.



NON-SKID CUP with round cutting elements.



Round PCD cutting element detail.

Further documented stone tool designs

Additional designs in the comparison documents supplement the product forms of the construction and stone programme. The codes are retained as distinct documented variants. Please discuss the required design and availability with us for your application.

Tool / form	Printed code	Material
Cup wheel T4-rubber	GSCPD(4)	Granite and engineered stone
Cup wheel T2-rubber	GSCPD(2)	Granite and engineered stone
Electroplated cup wheel	MSEPD	Marble and limestone

For this cup-wheel group, the comparison source lists diameters 4" (100), 5" (125), 6" (150) and 7" (180), coarse/medium/fine grit, steel/aluminium bodies and 22.23/M14 mounting. It does not assign every combination to an individual code.



T4-rubber, GSCPD(4): documented product view.



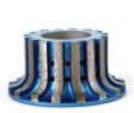
T2-rubber, GSCPD(2): documented product view.



Electroplated cup wheel MSEPD: documented product view.

Router bit family	Diameter indication	Segmented metal	Metal rim	Resin
A30	D60	GSSRW(60)	GSSRW(60C)	GSSRW(60R)
CP45	D20	GSSRW(20)	GSSRW(20C)	GSSRW(20R)

For granite and engineered stone, with wet use. The source assigns position 1 to segmented metal tools, positions 2-4 to metal rim tools and positions 5-7 to resin tools. The tables do not provide additional speeds or connector values for these router bit families.



A30, GSSRW(60): segmented metal.



A30, GSSRW(60C): metal rim.



A30, GSSRW(60R): resin.



CP45, GSSRW(20): segmented metal.



CP45, GSSRW(20C): metal rim.



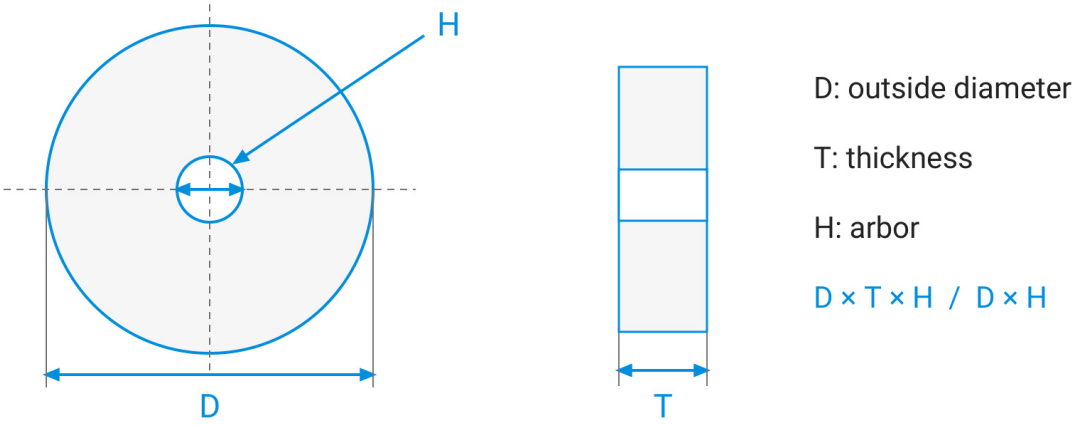
CP45, GSSRW(20R): resin.

DiamondX: technical designs and source variants

Select DiamondX by operation, tool form, machine type, dimensions and permitted speed. The tables reproduce metric data from the broader Q222 product overview. Supplementary older metric and regional imperial variants follow with their source identified. Arbor and availability are agreed for the specific enquiry; inch values are not treated as exact conversions of a metric design.

Dimension order: outside diameter × thickness × arbor where three dimensions are listed; outside diameter × arbor where two are listed. Speeds are the printed table values [min^{-1} / rpm], not recommended operating speeds. Different regional arbor specifications remain in their respective source variants.

Dimensions in the DiamondX tables



Schematic; not a dimensioned product drawing.

Table dimension order; no additional product dimensions.

DiamondX Chopper and Cutter

Chopper is intended for lower-power metal chop saws. Cutter is intended for high-speed gasoline cut-off saws; Q222 also lists higher-powered chop saws. As the current Diamond Vantage product page restricts Cutter use to gasoline cut-off saws, any different machine assignment must be confirmed for the specific design. Internal manufacturer tests cite tool life corresponding to up to 70 conventional 14-inch discs; results depend on application, machine and operator.

Product	Code	Dimensions [mm]	Speed [rpm]
Chopper	DXC0120P1413E	352 x 3.4 x 25.4/20	4300
Cutter	DXH0120P1415E	352 x 3.8 x 25.4/20	5400

Source: Q222 · page 4.



DiamondX Chopper.



DiamondX Cutter.

DiamondX: small-diameter cutters

The source lists steel, stainless steel, bolts, non-ferrous materials, plastics, fibreglass, wood, concrete, tile and brick. Suitability and permitted speed are matched to the specific tool and machine.

Code	Dimensions [mm]	Speed [rpm]
DXE0130P02053	50 x 1.3 x 22.23	25000
DXE0130P03053	75 x 1.3 x 22.23	25000
DXE0130P0405A	100 x 1.3 x 22.23	19000
DXE0130P4505C	115 x 1.3 x 22.23	13600
DXE0130P0505C	125 x 1.3 x 22.23	12225
DXE0130P0605C	150 x 1.3 x 22.23	10200
DXE0130P0706U	180 x 1.5 x 22.23	8600
DXE0130P0906C	230 x 1.5 x 22.23	6600

Source: Q222 · page 5.



Cutting wheel from the small-diameter range.



Small cutting wheel: 3-inch source image.



Small cutting wheel: 2-inch source image.

Type 29: depressed-centre grinding discs

Grit 24 for weld removal, pipe beveling and stock removal on ferrous and non-ferrous metals, including mild steel, stainless steel, alloy steels, ductile materials and hard-face alloys; the source also lists ceramic. Removable hub for 22.23 mm arbor.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXA2920P04A	100 x 22.23	24	15300
DXA2920P45H	115 x 22.23	24	13600
DXA2920P05H	125 x 22.23	24	12225
DXA2920P06H	150 x 22.23	24	10200
DXA2920P07H	180 x 22.23	24	8600
DXA2920P09H	230 x 22.23	24	6600

Source: Q222 · page 5.



Type 29: shared source image for grits 24 and 50.

Type 29: finer finish

Grit 50 for weld removal and a finer finish. Removable hub for 22.23 mm arbor. The first variant has a 105 mm diameter as printed in the source.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXA2930P04A	105 x 22.23	50	15300
DXA2930P45H	115 x 22.23	50	13600
DXA2930P05H	125 x 22.23	50	12225
DXA2930P06H	150 x 22.23	50	10200
DXA2930P07H	180 x 22.23	50	8600
DXA2930P09H	230 x 22.23	50	6600

Source: Q222 · page 5.

Type 27: pipeline discs

The programme lists pipeline discs with 4 mm thickness and grit 50. Removable hub for 22.23 mm arbor.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXA2730P04A	100 x 4 x 22.23	50	15300
DXA2730P45H	115 x 4 x 22.23	50	13600
DXA2730P05H	125 x 4 x 22.23	50	12225
DXA2730P06H	150 x 4 x 22.23	50	10200
DXA2730P07H	180 x 4 x 22.23	50	8600
DXA2730P09H	230 x 4 x 22.23	50	6600

Source: Q222 · page 6.



Type 27: pipeline disc.



Pipeline-disc detail.

Type 27: foundry cutting and grinding discs

For ferrous and non-ferrous materials; 3.6 mm thickness, grit 36 and removable hub for 22.23 mm arbor.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXA2725P07H	180 x 3.6 x 22.23	36	8600
DXA2725P09H	230 x 3.6 x 22.23	36	6600

Source: Q222 · page 6.



Type 27: foundry cutting and grinding disc.



Foundry-disc detail.

Type 1: flat cutting and grinding wheels

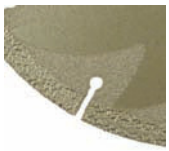
Flat 3.5 mm wheels for foundry gate/riser removal and machining forgings, metal pipe, sectional tubing, metal plate, steel bar and ductile iron. Grit 36.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXB0125P0414A	100 x 3.5 x 22.23	36	15300
DXB0125P4514C	115 x 3.5 x 22.23	36	13600
DXB0125P0514C	125 x 3.5 x 22.23	36	12225
DXB0125P0614C	150 x 3.5 x 22.23	36	10200
DXB0125P0714C	180 x 3.5 x 22.23	36	8600
DXB0125P0914C	230 x 3.5 x 22.23	36	6600

Source: Q222 · page 7.



Type 1: flat cutting and grinding wheel.



Flat cutting and grinding wheel detail.

Type 1: reversible hard-face welding grinding discs

Reversible 6.4 mm grinding discs with grit 36 for weld removal, pipe beveling and stock removal on ferrous and non-ferrous metals, hard-face alloys and the other materials listed in the source, including ceramic. Removable hub for 22.23 mm arbor.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXA0125P0425A	100 x 6.4 x 22.23	36	15300
DXA0125P4525H	115 x 6.4 x 22.23	36	13600
DXA0125P0525H	125 x 6.4 x 22.23	36	12225
DXA0125P0625H	150 x 6.4 x 22.23	36	10200
DXA0125P0725H	180 x 6.4 x 22.23	36	8600
DXA0125P0925H	230 x 6.4 x 22.23	36	6600

Source: Q222 · page 7.



Type 1: reversible grinding disc.



Reversible grinding disc detail.

Type 1: large cutting wheels

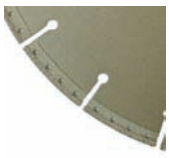
Applications include foundry gate/riser removal, forgings, sheet metal, pipes, plate, steel sections and cast iron. The source states that arbor holes can be enlarged on request.

Code	Dimensions [mm]	Grit	Speed [rpm]
DXE0120P1615E	400 x 3.9 x 25.4	24	4800
DXE0120P1815E	450 x 3.9 x 25.4	24	3400
DXE0120P2017E	510 x 4.3 x 25.4	24	3055
DXE0120P2418E	610 x 4.7 x 25.4	24	2550
DXE0120P2618E	660 x 4.7 x 25.4	24	2350
DXE0120P2820E	711 x 5.1 x 25.4	24	2200
DXE0120P3020E	762 x 5.1 x 25.4	24	2040

Source: Q222 · page 7.



Type 1: large cutting wheel.



Large cutting wheel detail.

Source variant: rail cut-off wheels

The older source contains specific rail cut-off wheels. These dimensional variants are retained without inferring current series availability.

Source code	Nominal size [inch]	Diameter [mm]	Thickness [mm]	Arbor [mm]
DXE0120P1415	14	352	3.9	20 / 25.4
DXE0120P1615	16	409	3.9	20 / 25.4

Source: Q041 · page 5.



Rail cut-off wheel from the supplementary source edition.

Source variant: mounted points, cones and cups

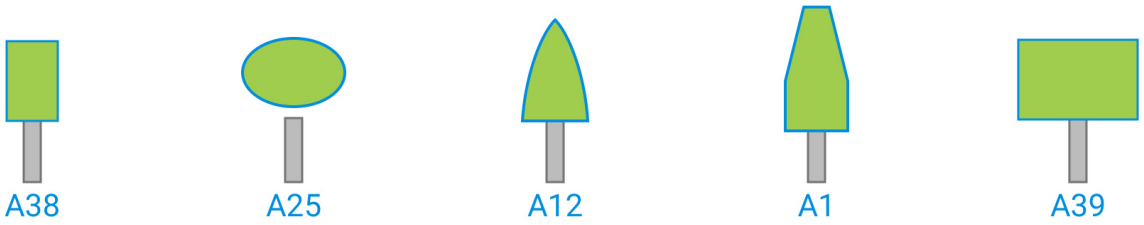
The older range overview illustrates mounted points and snagging forms for weld and stock removal. Shape designations are retained; no numerical dimensions or speed data are given on this page.

Shape group	Designations
Mounted points	A38, A25, A12, A1, A39
Snagging cones, plugs and cups	T16, T17, T18R, T18, T6/11

Source: Q041 · page 5.

Mounted points, cones, plugs and cups

Mounted points



Cones, plugs and cups



Source forms Q041 / Q059; dimensions and speeds are not specified.

Schematic; not a dimensioned product drawing.

All ten source forms: EHWA redraw without added dimensions.

Source variant: depressed-centre DXA2720P discs

The older table gives different codes and some additional arbor options. These values remain a source variant.

Source code	Nominal size [inch]	Diameter [mm]	Arbor [mm]
DXA2720P04	4	100	20 / 22.23
DXA2720P45	4.5	115	22.23
DXA2720P05	5	125	22.23
DXA2720P06	6	150	22.23
DXA2720P07	7	180	22.23
DXA2720P09	9	230	22.23

Source: Q041 · page 4.



DXA2720P: older depressed-centre source variant.

Source variant: flat 6 mm grinding discs

The source states 6 mm thickness and reversible flanges/faces. The newer table lists 6.4 mm; they are not automatically treated as identical.

Source code	Nominal size [inch]	Diameter [mm]	Thickness [mm]	Arbor [mm]
DXA0125P0425	4	100	6	20 / 22.23
DXA0125P4525	4.5	115	6	22.23
DXA0125P0525	5	125	6	22.23
DXA0125P0625	6	150	6	22.23
DXA0125P0725	7	180	6	22.23
DXA0125P0925	9	230	6	22.23

Source: Q041 · page 4.



Flat 6 mm grinding disc from the older metric source.

Source variant: flat 3.3/3.4 mm cutting and grinding discs

This older cutting/grinding form lists 3.3 mm, or 3.4 mm at 230 mm diameter. The current 3.5 mm series remains separate.

Source code	Nominal size [inch]	Diameter [mm]	Thickness [mm]	Arbor [mm]
DXB0125P0413	4	100	3.3	20 / 22.23
DXB0125P4513	4.5	115	3.3	22.23
DXB0125P0513	5	125	3.3	22.23
DXB0125P0713	7	180	3.3	22.23
DXB0125P0913	9	230	3.4	22.23

Source: Q041 · page 5.



Flat 3.3/3.4 mm cutting and grinding disc from the older source.

Source variant: older cut-off dimensions

The older source repeats DXC0125P4509 for several diameters. This unresolved source code remains visible and is not rewritten as an assumed correct order code. Technical enquiries should state dimensions and original source together.

Source code	Nominal size [inch]	Diameter [mm]	Thickness [mm]	Arbor [mm]
DXC0125P4509	4.5	115	2.2 / 2.5	22.23
DXC0125P4509	5	125	2.2 / 2.5	22.23
DXC0125P4509	6	150	2.5 / 2.8	22.23
DXC0125P4509	7	180	2.5 / 2.8	22.23
DXC0125P4509	8	200	2.5 / 2.8	22.23
DXC0125P4509	9	230	2.5 / 2.8	22.23
DXC0125P4509	10	250	2.5 / 2.8	22.23
DXD0130P1212	12	302	3.1	20 / 25.4
DXD0130P1412	14	352	3.1	20 / 25.4
DXD0130P1612	16	409	3.1	20 / 25.4
DXD0130P1814	18	459	3.3	20 / 25.4
DXD0130P2014	20	510	3.7	20 / 25.4

Source: Q041 · page 4.



Cut-off wheel from the supplementary metric source edition.

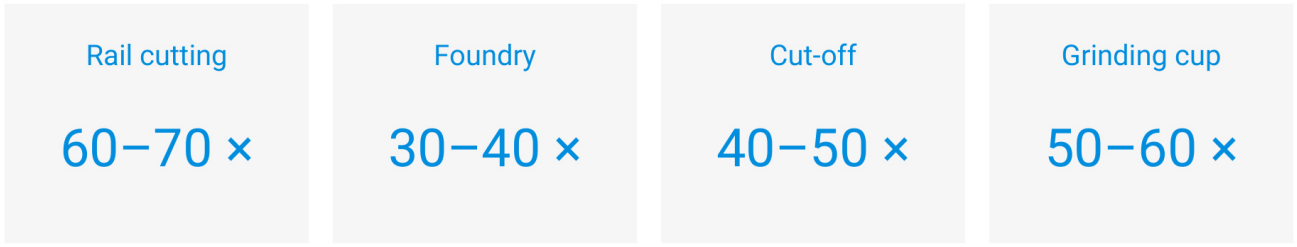
Supplementary manufacturer examples: tool-life comparison

The older source lists the following comparison factors against conventional abrasives. Test conditions and absolute tool lives are not provided; the values describe manufacturer examples and are not promised results for a new application. The differing percentage scales in the original plots are not converted into additional measured values.

Application	Printed comparison factor
Rail cutting	60-70 ×
Foundry	30-40 ×
Cut-off	40-50 ×
Grinding cup	50-60 ×

Source: Q041 · page 3.

Printed manufacturer comparison factors



Older manufacturer examples against conventional abrasives.

No promised tool life; test conditions and absolute values are not provided.

Schematic; not a dimensioned product drawing.

Source factors as manufacturer examples; no newly calculated bars or measured values.

Depressed-centre discs: imperial source variant

The source additionally lists a 5/8-11 flange. H-suffix codes and imperial arbors remain a separate source variant.

Source code	Diameter [inch]	Arbor [inch, except mm]
DXA2720P04H	4	5/8, 7/8
DXA2720P45H	4.5	7/8
DXA2720P05H	5	7/8
DXA2720P06H	6	7/8
DXA2720P07H	7	7/8
DXA2720P09H	9	7/8

Source: Q059 · page 4.

Flat grinding discs: imperial source variant

Source specification: 1/4-inch thickness, reversible face and 5/8-11 reversible flange. Printed I suffixes are retained.

Source code	Diameter [inch]	Thickness [inch]	Arbor [inch, except mm]
DXA0125P0425I	4	1/4	5/8
DXA0125P4525I	4.5	1/4	7/8
DXA0125P0525I	5	1/4	7/8
DXA0125P0625I	6	1/4	7/8
DXA0125P0725I	7	1/4	7/8
DXA0125P0925I	9	1/4	7/8

Source: Q059 · page 4.

Cut-off wheels: imperial source variant

DM and U/A remain unexplained source terms for arbor options. 20 mm is an explicitly metric alternative in the imperial table. These codes do not automatically replace the repeated metric source code.

Source code	Diameter [inch]	Thickness [inch]	Arbor [inch, except mm]
DXC0125P4509A	4.5	0.090	5/8
DXC0125P0509C	5	0.090	7/8
DXC0125P0609C	6	0.090	7/8

Source code	Diameter [inch]	Thickness [inch]	Arbor [inch, except mm]
DXC0125P0709C	7	0.090	7/8
DXC0125P0809C	8	0.090	5/8, 7/8, DM, U/A
DXC0125P0909C	9	0.090	7/8
DXC0125P1009C	10	0.090	5/8, 7/8, 1
DXD0130P1212E	12	0.125	20 mm, 1
DXD0130P1412E	14	0.125	20 mm, 1
DXD0130P1612E	16	0.125	20 mm, 1
DXD0130P1814E	18	0.145	20 mm, 1
DXD0130P2014E	20	0.145	20 mm, 1

Source: Q059 · page 4.

Cutting and grinding: imperial source variant

The source prints 0.137 inch for all five variants and lists a 5/8-11 reversible flange and reversible face. Exact equivalence to 3.3 or 3.4 mm is not asserted.

Source code	Diameter [inch]	Thickness [inch]	Arbor [inch, except mm]
DXB0125P0413A	4	0.137	5/8, 7/8
DXB0125P4513C	4.5	0.137	7/8
DXB0125P0513C	5	0.137	7/8
DXB0125P0713C	7	0.137	7/8
DXB0125P0913C	9	0.137	7/8

Source: Q059 · page 5.

Rail cut-off wheels: imperial source variant

E-suffix codes, 5/32-inch thickness and mixed arbor specifications are retained as printed. The source gives no speeds.

Source code	Diameter [inch]	Thickness [inch]	Arbor [inch, except mm]
DXE0120P1415E	14	5/32	20 mm, 1
DXE0120P1615E	16	5/32	20 mm, 1

Source: Q059 · page 5.

Select the tool with EHWA using material, operation, machine and arbor. For older source variants, state source code, dimensions and source together; the repeated DXC0125P4509 code alone does not identify a uniquely orderable size.

Specify the tool with us

For selection, provide the machine and connection, material, operation, required dimensions and finish, wet/dry use and available extraction or cooling. We will use this information to specify the tool version, product code and suitable operating parameters. EHWA Europe: info@ehwadia.de, +49 6173 997780.

EHWA Diamond Industrial Co., Ltd., 374, Nambu-daero, Osan-si, Gyeonggi-do, 18145, Republic of Korea. Catalogue contact: T. (82-31)370-9300, F. (82-31)370-9191, salesinfo@ehwadia.co.kr; ehwadia.com and zenesistechnology.com. Original edition print date: 2024.08; “2025-2026” identifies the programme edition.

Sources and technical guidance

EHWA Construction / Stone 2025-2026, complete content of the 60 logical pages. Editorial date of this language edition: 2026-10-13. For markings and use, observe the current oSa guidance and safety recommendations for diamond cut-off wheels.