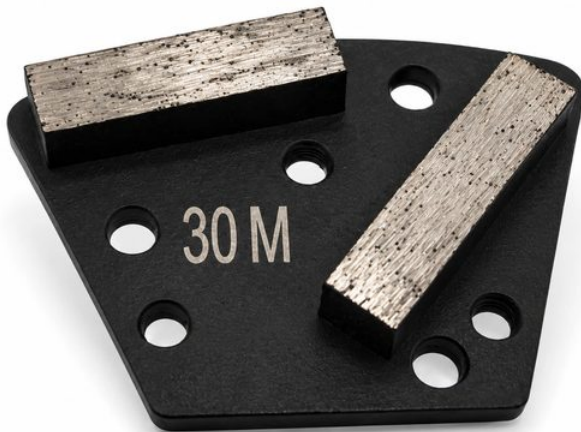


DIAMOND GRINDING TOOLS

Concrete grinding and coating removal
for professional surface preparation



GRINDING SHOES



CUP WHEELS

15 product families

Metal-bond diamond tools and PCD coating removal tools

ENGLISH EDITION / OCTOBER 2026

Tools for each preparation stage

Choose the cutting technology for the material, then match the tooling to the installed machine and mounting system.

PCD coating removal

PCD cutters scrape and shear suitable epoxy, paint, glue and mastic. Select coating removal shoes for floor grinders or a suitable PCD cup wheel for compatible equipment.

Metal-bond concrete grinding

Diamond grinding shoes and abrasive cup wheels remove concrete, level high spots and prepare mineral substrates. Match grit, bond and segment geometry to the work.

Progressive surface preparation

Coating removal may need follow-up grinding. Metal-bond grinding is an early or intermediate preparation stage; a polished finish requires suitable subsequent tooling.

Catalog section	Pages
Grinding shoe comparison and six product families	03–09
Diamond cup wheel comparison and six families	10–16
PCD cup wheel comparison and three families	17–20
Selection, fitment and operating guidance	21–23
Technical and wholesale inquiries	24

Mounting systems and tooling

Five metal-bond shoe families offer 18/20, 30/40 and 60/80 grit with Soft, Medium and Hard bond choices.

Family	Mounting / technology	SKU	Page
Supreme PCD	5 mounting systems; PCD coating removal	Confirm	04
Scanmaskin ScanOn	ScanOn compatible; metal-bond double bar	ALK-FGS-SCAN-DB	05
Lavina / EDCO / Onfloor	Three-hole trapezoid; metal-bond double bar	ALK-FGS-LAV-DB	06
HTC EZchange	EZchange compatible; metal-bond double bar	Confirm	07
Redi Lock	Redi Lock compatible; metal-bond double bar	ALK-FGS-RL-DB	08
Trapezoid Bolt-On	Bolt-on trapezoid; metal-bond double bar	Confirm	09

Mounting first

Confirm the installed holder, rear attachment profile and required adapters or fasteners. A grinder brand name alone does not establish tool compatibility.

“Confirm” indicates that the official page shows no valid SKU. Use the product name, mounting system and required configuration when requesting a quotation.

Supreme PCD Coating Removal Shoes

Five mounting systems with direction-specific PCD cutters



5 SYSTEMS LH / RH

SKU: Confirm with ALSKAR

PCD cutting elements scrape and shear suitable coatings from concrete. Cutter layout and support segments vary with the mounting system.

Technical specification	Published options
Cutting material / grade	PCD / Supreme
Mounting options	Trapezoid; Lavina / EDCO / Onfloor; Redi Lock; ScanOn; HTC EZchange
Rotation options	Left-Hand and Right-Hand for all five systems
Ordering variations	10 mounting / direction combinations
Cutter arrangement	Mounting-specific; confirm selected variation
Operating method	Confirm final tool and machine approval

Applications

Removal of suitable epoxy, paint, glue, adhesives and mastic. Follow coating removal with metal-bond grinding when the substrate requires further preparation.

Image shows a Lavina / EDCO / Onfloor version. Confirm direction for each head; mounting systems are not interchangeable.



Official product page

Scanmaskin ScanOn Diamond Grinding Shoes

Premium double-bar tooling for matching ScanOn holders



DOUBLE BAR

SKU: ALK-FGS-SCAN-DB

Metal-bonded diamond segments for concrete grinding, leveling and progressive surface preparation.

Technical specification	Published options
Mounting system	ScanOn compatible
Diamond grit	18/20, 30/40, 60/80
Bond hardness	Soft, Medium, Hard
Segment design	Double Bar
Quality grade	Premium
Equipment reference	Scanmaskin 18 / SC18, 500 / 500i, 28 and 32 World Series; verify holder

Applications

Select 18/20 for coarse preparation, 30/40 for general grinding or 60/80 for finer metal-bond work. Choose bond hardness to suit the concrete.

Confirm the installed ScanOn plate and rear connection. Machine names are references, not universal fitment guarantees.



Official product page

Lavina / EDCO / Onfloor Diamond Grinding Shoes

Three-hole trapezoid double-bar configuration



3-HOLE TRAPEZOID

SKU: ALK-FGS-LAV-DB

Two metal-bonded diamond bars on a trapezoidal backing for selected floor grinder holders or adapters.

Technical specification	Published options
Mounting system	Three-Hole Trapezoid
Diamond grit	18/20, 30/40, 60/80
Bond hardness	Soft, Medium, Hard
Segment design / count	Double Bar / 2
Quality grade	Premium
Equipment reference	Selected Lavina, EDCO Magna-Trap and Onfloor machines

Applications

Concrete grinding, surface leveling and substrate preparation. Match grit to the grinding stage and bond to concrete hardness and abrasiveness.

Lavina references include L7 / L13 / L20 / L21 / L25 / L30 / L32 / L38 and corresponding X-Series. Verify tooling generation and holder.



Official product page

HTC EZchange Diamond Grinding Shoes

Premium compatible double-bar grinding shoes



EZchange COMPATIBLE

SKU: Confirm with ALSKAR

A side-wing quick-change connection supports two rectangular metal-bonded diamond segments.

Technical specification	Published options
Mounting system	HTC EZchange compatible
Diamond grit	18/20, 30/40, 60/80
Bond hardness	Soft, Medium, Hard
Segment design / count	Double Bar / 2
Quality grade	Premium
Equipment reference	Selected HTC and Husqvarna machines with matching EZchange holders

Applications

Cured concrete grinding, high-spot removal and progressive floor preparation before suitable polishing or coating stages.

HTC references: Greyline 270 / 400 / 450 / 550; Professional 270EG / 800RXP / 950RX / 1500IXT. Verify the actual EZchange holder.



Official product page

Redi Lock Diamond Grinding Shoes

Premium compatible double-bar tooling

**Redi Lock Compatible Double Bar
Diamond Grinding Shoe**

— PREMIUM QUALITY —

Redi Lock COMPATIBLE

SKU: ALK-FGS-RL-DB

Metal-bonded diamond tooling for grinders equipped with the matching rear locking profile.

Technical specification	Published options
Mounting system	Redi Lock compatible
Diamond grit	18/20, 30/40, 60/80
Bond hardness	Soft, Medium, Hard
Segment design / count	Double Bar / 2
Quality grade	Premium
Equipment reference	Husqvarna PG 280 / 400 / 450 / 530 / 540 / 680 / 820 / 830; verify Redi Lock holder

Applications

Concrete floor grinding, leveling, restoration and surface preparation. The three grit ranges support coarse through finer metal-bond grinding.

Confirm the rear locking profile on the installed holder. Redi Lock, ScanOn and EZchange connections are different systems.



Official product page

Trapezoid Bolt-On Diamond Grinding Shoes

Double-bar tooling for matching bolt-on floor grinders



BOLT-ON DOUBLE BAR

SKU: Confirm with ALSKAR

Two metal-bonded diamond segments on a trapezoidal steel backing for concrete floor preparation.

Technical specification	Published options
Mounting system	Trapezoid Bolt-On
Diamond grit	18/20, 30/40, 60/80
Bond hardness	Soft, Medium, Hard
Segment design / count	Double Bar / 2
Base plate	Trapezoidal steel plate
Equipment	Matching walk-behind floor grinder

Applications

Concrete grinding, high-spot reduction, leveling and substrate preparation. Select the hole pattern and fasteners to match the installed holder.

References include selected Diamatic, CPS, Innovatech / Bartell and Klindex machines. Verify the actual holder; see page 22.



Official product page

Grinding geometry and size range

All six families offer 5/8"-11 threaded and 7/8"-5/8" non-threaded arbor options. Confirm the supplied mounting hardware.

Family / SKU	Diameters	Published configuration	Page
Wire Bead ALK-CW-BD	4.5", 5", 7"	12 / 16 / 24 beads; Supreme; Wet & Dry	11
T-Segment ALK-CW-TS	4", 4.5", 5", 7"	6 / 6 / 8 / 10 segments; Premium; Wet & Dry	12
Arrow Segment ALK-CW-AS	4", 4.5", 5", 7"	6 / 6 / 8 / 10 segments; confirm operating method	13
Continuous Turbo ALK-CW-CT	4", 4.5", 5", 7"	26 / 27 / 28 / 40 sections; Premium; Wet & Dry	14
Spiral Turbo ALK-CW-ST	4", 4.5", 5", 7"	10 / 12 / 14 / 24 segments; confirm operating method	15
Double Row ALK-GCW-DR	4", 4.5", 5", 7"	16 / 18 / 20 / 24 segments; confirm operating method	16

Size-specific configurations

Counts follow the diameter order shown in each row. Select wheel diameter by the grinder's approved capacity, guard clearance and mounting arrangement.

Wet operation requires approved equipment even where the product is rated Wet & Dry. The maximum operating speed must follow the marking on the supplied wheel.

Supreme Diamond Wire Bead Cup Wheel

Hollow cylindrical diamond beads for concrete grinding



WIRE BEAD

SKU: ALK-CW-BD

Openly spaced diamond wire beads provide ring-shaped abrasive contact on a steel cup body.

Technical specification	Published options
Diameters	4.5", 5", 7"
Beads by diameter	4.5": 12 / 5": 16 / 7": 24
Bead design	Hollow cylindrical
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Quality grade	Supreme
Operating method	Wet & Dry; approved equipment required

Applications

Concrete leveling, localized high-spot removal, cementitious residue grinding and substrate preparation. Thick or flexible coatings may require PCD tooling.

The specific diamond retention process is not established here. Confirm wheel rating, approved diameter, spindle and guard before use.



Official product page

Premium T-Segment Diamond Cup Wheel

Open T-shaped grinding segments for concrete preparation



T-SEGMENT

SKU: ALK-CW-TS

A wide outer grinding edge and open segment layout support material removal with controlled surface contact.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
Segments by diameter	4": 6 / 4.5": 6 / 5": 8 / 7": 10
Segment dimensions	4"-5": 20 × 17 × 5 mm 7": 22 × 17 × 5 mm
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Quality grade	Premium
Operating method	Wet & Dry; approved equipment required

Applications

Concrete leveling, high-spot removal, hardened thin-set mortar removal and surface preparation. Suitable thin hard residues may also be ground.

For thick epoxy, soft adhesives or heavy mastic, evaluate dedicated PCD tooling. Follow the maximum RPM marked on the wheel.



Official product page

Arrow Segment Diamond Cup Wheel

Aggressive grinding and early-stage surface preparation



ARROW SEGMENTS

SKU: ALK-CW-AS

Defined leading edges and wide segment spacing support stock removal and debris clearance.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
Segments by diameter	4": 6 / 4.5": 6 / 5": 8 / 7": 10
Segment dimensions	4"-5": 20 × 17 × 5 mm 7": 22 × 17 × 5 mm
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Main materials	Concrete, mortar and masonry
Operating method	Confirm specific wheel and machine approval

Applications

High-spot removal, rough grinding, thin-set mortar removal and suitable thin hard coatings. Intended for material removal rather than final polishing.

Thick epoxy, rubbery coatings and soft adhesives may require PCD tools. Verify the wheel marking for operating method and maximum RPM.



Official product page

Premium Continuous Turbo Diamond Cup Wheel

Dense turbo grinding sections for controlled surface preparation



CONTINUOUS TURBO

SKU: ALK-CW-CT

Closely spaced grinding sections and narrow relief channels maintain abrasive contact while allowing debris to clear.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
Sections by diameter	4": 26 / 4.5": 27 / 5": 28 / 7": 40
Segment design	Continuous Turbo
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Quality grade	Premium
Operating method	Wet & Dry; approved equipment required

Applications

Grinding and smoothing cured concrete, masonry and compatible stone. The final texture depends on grit, bond, material and operating technique.

This is a surface grinding tool, not a final polishing wheel. Confirm bond suitability before grinding a particular granite or marble.



Official product page

Spiral Turbo Diamond Cup Wheel

Curved metal-bond diamond segments for surface grinding



SPIRAL TURBO

SKU: ALK-CW-ST

A curved, open segment layout balances material removal with steady grinding contact.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
Segments by diameter	4": 10 / 4.5": 12 / 5": 14 / 7": 24
Published segment dimensions	Height 5 mm / width 8 mm; length options 25 mm or 28 mm
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Quality grade	Premium
Main materials	Concrete, mortar, masonry and suitable stone

Applications

High-spot removal, leveling, cementitious residue grinding and rough surface preparation. Suitable for appropriate natural stone grinding, including granite.

The page lists segment length options without a diameter mapping. Confirm the selected size and approved wet/dry method before ordering.



Official product page

Double Row Diamond Cup Wheel

Staggered curved segments for concrete grinding



DOUBLE ROW DIAMOND CUP WHEEL

FOR CONCRETE GRINDING & SURFACE PREPARATION

DOUBLE ROW

SKU: ALK-GCW-DR

Two staggered rows of curved abrasive segments provide distributed grinding contact.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
Segments by diameter	4": 16 / 4.5": 18 / 5": 20 / 7": 24
Segment dimensions	4"-5": 28 × 8 × 5 mm 7": 35 × 8 × 5 mm
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Main materials	Concrete, mortar and masonry
Operating method	Confirm specific wheel and machine approval

Applications

Concrete grinding, leveling, mortar removal and substrate preparation. Choose the wheel size and mounting arrangement to match the grinder.

Verify the maximum rated RPM and wet/dry approval for the supplied wheel. Segment dimensions are reproduced as published.



Official product page

Three PCD cutting arrangements

Dedicated tools for removing suitable bonded coatings from concrete.

Family / SKU	Diameters	PCD count by size	Page
Hexagonal Crushed PCD ALK-PCD-CW-HX	4.5", 5", 7"	5 / 6 / 8	18
Crushed PCD ALK-PCD-CW-CR	4", 4.5", 5", 7"	5 / 6 / 8 / 12	19
Quarter-Round PCD ALK-PCD-CW-QR	4", 4.5", 5", 7"	4 / 5 / 6 / 9	20

Coating removal with PCD

Hexagonal clusters, rectangular crushed-PCD segments and quarter-round cutters have different cutting geometries. Select against coating type, thickness, adhesion and the required substrate profile.

Follow-up concrete preparation

PCD tools may scratch or groove the concrete. Trial a small area, then use appropriate diamond grinding tools where additional leveling or surface refinement is required.

All three pages list 5/8"-11 and 7/8"-5/8" arbor options. Confirm the exact wheel, rotation, mounting arrangement and operating method before use.

Hexagonal Crushed PCD Diamond Cup Wheel

Hexagonal PCD clusters for coating removal



**HEXAGONAL CRUSHED PCD
DIAMOND CUP WHEEL**
FOR CONCRETE COATING REMOVAL

HEXAGONAL CRUSHED PCD

SKU: ALK-PCD-CW-HX

Crushed polycrystalline diamond cluster segments engage bonded coatings on concrete.

Technical specification	Published options
Diameters	4.5", 5", 7"
PCD segments by diameter	4.5": 5 / 5": 6 / 7": 8
Segment design	Hexagonal crushed PCD clusters
Arbor options	5/8"-11 / 7/8"-5/8"
Primary substrate	Concrete
Operating method	Confirm specific wheel and equipment approval

Applications

Removal of suitable epoxy, paint, adhesives, mastic and bonded coatings. Follow with appropriate diamond grinding if a smoother substrate is required.

Confirm the supplied arbor, rotation direction and maximum RPM. Do not assume that every configuration supports both wet and dry use.



Official product page

Crushed PCD Diamond Cup Wheel

Rectangular crushed-PCD chip segments



CRUSHED PCD DIAMOND CUP WHEEL
FOR CONCRETE COATING REMOVAL

RECTANGULAR CRUSHED PCD

SKU: ALK-PCD-CW-CR

Crushed PCD chip segments cut and scrape suitable bonded residues from concrete surfaces.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
PCD segments by diameter	4": 5 / 4.5": 6 / 5": 8 / 7": 12
Segment design	Rectangular crushed PCD segments
Arbor options	5/8"-11 threaded / 7/8"-5/8" non-threaded
Primary substrate	Concrete
Operating method	Confirm specific wheel and equipment approval

Applications

Epoxy, paint, glue, adhesive and mastic removal during concrete floor renovation. Tool choice depends on coating thickness, adhesion and substrate condition.

PCD removal can leave a coarse profile or scratches. Verify the approved rotation and operating method before use.



Official product page

Quarter-Round PCD Diamond Cup Wheel

Quarter-round cutters for concrete coating removal



QUARTER-ROUND PCD

SKU: ALK-PCD-CW-QR

Discrete quarter-round PCD cutters provide cutting and scraping action for bonded coatings.

Technical specification	Published options
Diameters	4", 4.5", 5", 7"
PCD cutters by diameter	4": 4 / 4.5": 5 / 5": 6 / 7": 9
Cutter type	Quarter-Round PCD
Arbor options	5/8"-11 / 7/8"-5/8"
Primary substrate	Concrete
Operating style	Dry use; confirm actual operating conditions

Applications

Removal of suitable epoxy, paint, glue, mastic and coatings before further concrete grinding or resurfacing.

Not a final polishing tool. Confirm wheel size, arbor, machine and operating conditions. Trial a small area to assess the resulting surface profile.



Official product page

Diamond grit and bond selection

For the five metal-bond grinding shoe families. Choose grit by preparation stage and bond by concrete condition.

Diamond grit	Typical grinding stage
18/20	Coarse grinding and initial material removal
30/40	General grinding and routine surface preparation
60/80	Finer metal-bond grinding and scratch refinement

Concrete condition	Starting bond choice
Hard or dense concrete	Soft
Medium-hard concrete	Medium
Soft or abrasive concrete	Hard

Evaluation on the floor

Glazing or poor cutting may call for a softer bond; rapid segment wear may call for a harder bond. Aggregate, machine weight and grinding speed also influence selection.

A common progression is 18/20 to 30/40 to 60/80. Not every floor requires every step. These grit and bond options should not be assumed for the cup wheel range.

Fitment follows the installed holder

Equipment names are identification references. Always verify the machine, tooling generation, holder and any adapter.

Tool family	Published equipment references
ScanOn	Scanmaskin 18 / SC18; 500 / 500i; 28 and 32 World Series
Lavina / EDCO / Onfloor	Lavina L7 / L13 / L20 / L21 / L25 / L30 / L32 / L38; corresponding X-Series; EDCO Magna-Trap; selected Onfloor machines
HTC EZchange	HTC Greyline 270 / 400 / 450 / 550; 270EG / 800RXP / 950RX / 1500IXT; selected Husqvarna EZchange Wing-equipped machines
Redi Lock	Husqvarna PG 280 / 400 / 450 / 530 / 540 / 680 / 820 / 830; verify Redi Lock holder
Trapezoid Bolt-On	Diamatic BGS-435 / 555 / 735 / 780; CPS G170 / G210 / G250 / G290 / G320D; Innovatech / Bartell Predator 1800 / 2400 / 32D / 32NDX; selected Klindex Expander models

Cup wheel fitment

Match diameter, arbor or threaded spindle, approved flanges and reducer, guard clearance and maximum RPM. A matching nominal diameter alone does not establish compatibility.

ALSKAR DIAMOND supplies aftermarket compatible tooling and is not affiliated with the referenced equipment manufacturers. References do not certify every machine configuration.

Coating removal and operating method

Confirm the substrate and machine setup before selecting the tool.

Coating removal before grinding

Use suitable PCD tooling for bonded coatings. After removal, inspect the concrete and select metal-bond grinding for the required surface profile. Thin hard residues may suit selected abrasive cup wheels.

Direction-sensitive PCD shoes

All five Supreme PCD shoe mounting systems offer Left-Hand and Right-Hand versions. Confirm the direction convention and actual rotation of every head; counter-rotating heads may require different tools.

Published wet and dry capability

Wire Bead, T-Segment and Continuous Turbo cup wheels are listed for Wet & Dry use. The Quarter-Round PCD page states dry use with operating conditions to be confirmed. Confirm the approved method for other products.

Operating checks

Follow the maximum RPM marked on each wheel and the equipment instructions. Use approved guards and mounting components. Dry concrete work requires suitable dust control; wet work requires approved tooling and equipment.

Performance and finish depend on the material, tool configuration and operating conditions. These tools do not replace final polishing stages.

Your grinding tooling inquiry

Product selection assistance for contractors, equipment service providers and distributors.

info@alskardiamond.com

www.alskardiamond.com

Information for a quotation

Product family or SKU and required quantity
Machine model and photos of the installed holder or spindle
Shoes: mounting system, grit and bond
PCD shoes: Left-Hand / Right-Hand requirement for each head
Cup wheels: diameter, arbor and required operating method
Concrete condition or coating type, thickness and adhesion
Delivery destination and packaging requirements

Before ordering

Request confirmation of fitment, exact configuration, availability and delivery terms. For products without a published SKU, include the official product link and the required variation.



[Contact page](#)

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Product information and official imagery checked 20 October 2026.