

2020 CATALOG

DIAMAX



THE EYE OF INNOVATION

With over 23 years of experience, Diamax strives to be the #1 in innovation, quality and customer service.

www.diamaxinc.com

HOME OF THE #1
BRANDS IN STONE



To our Loyal Customers,

On behalf of all the employees of Diamax and Diamax Korea, I would like to convey my sincerest gratitude to all our loyal distributors and fabricators. We are what we are because of you.

As we begin our 24th year in this industry, we are in the midst of some of the most radical changes our industry has seen in both material and technique. As always, Diamax challenges itself to innovate and bring the most reliable solutions to market.

Our initiative for 2020 is to address what the market has been asking for: the best performing tools for Quartzite (QZT) and Ultra Compact materials. In addition to our popular QZT products, we have introduced the new "Super Q" blade with a reinforced core for fast chip-free miter cuts for the hardest of quartzites. In addition, within the Cyclone Ultra line are all solutions for working ultra compact materials. From a 16" blade to a 1/4" core bit. We have refined our manufacturing processes to provide the most effective tools in the industry.

After driving this company for 24 years, I can honestly share with you that Diamax has never had a better team than we do now. The Diamax team not only wants to bring the best tools to the industry but passionately bring it with the very best service too. I am very proud of this team as I am honored by all your loyal business over the years.

Sincerely,

Justin Hong

President / CEO

Diamax Industries, Inc.



CYCLONE ULTRA PRODUCTS

Cyclone Ultra Incremental Bit	2
Cyclone Ultra Core Bit	3
Cyclone Ultra Non Core Bit	3
Cyclone Ultra CNC Core Bit	3
Cyclone Ultra CNC Finger Bit	3



BLADES

Bridge Saw

Cyclone S Quartzite Silent Core/Miter	5
Cyclone S Silent Core Blade	6
Cyclone Silent Diamond Allocation Blade	6
Cyclone Low Horsepower Silent Core	7

Marble

Cyclone Marble Silent Core Blade	7
Cyclone Ultra - Multi Purpose Bridge Saw	7

Turbo

Cyclone S Arrowtek Turbo Blade	8
Cyclone Side Segment Turbo Blade	8
Super Cyclone Turbo Blade	8
Cyclone Turbo Blade	9
Hurricane Turbo Blade	9
Typhoon Turbo Blade	9

Specialty

Super Cyclone Electroplated Blade	10
Cyclone Electroplated Blade	10
Cyclone Contour Blade	11
Hurricane Contour Blade	11
Cyclone Marble Contour Blade	11

DRY POLISHING

Dryflex 5 Dry Polishing System	13
Dryflex Dry Polishing System	14
Dryflex II Dry Polishing System	14
Diaflex Dry Polishing System	14
Cyclone Dry Polishing System	15
Hurricane Dry Polishing System	15
Typhoon Dry Polishing System	15

WET POLISHING

Cyclone Ultra Wet Polishing System	17
Trifecto Polishing System	18
Hurricane 3 Step Wet Polishing System	18
Cyclone Wet Polishing Superflex Series	19
Cyclone Wet Polishing R Series	19
Cyclone Wet Polishing S Series	19
Cyclone 3.5 mm Wet Polishing R Series	19
Hurricane 7 Step Wet Polishing RE Series	20
Hurricane 7 Step Wet Polishing WE Series	20
Typhoon Wet Polishing System	21
Cyclone Convex Polishing Disks	21
Cyclone Drum Polishing Wheels	21
Cyclone Mini Drum Sleeves & Adapter	21

ENGINEERED STONE (ES) POLISHING

Cyclone ES 3 Step Polishing System	23
Hurricane ES 3 Step Polishing System	24
Cyclone ES White 7 Step Polishing System	25
Hurricane ES White 7 Step Polishing System	25

CORE DRILL BITS

Cyclone S QZT Core Bit	27
Cyclone Dry Core Bit Inside/Outside Diamond	27
Cyclone Dry Turbo Core Bit Inside/Outside Diamond	27
Cyclone S Thin Wall Core Bit	28
Cyclone Dry/Wet Core Drill Bit	28

Cyclone Dry Non-Coring Bit	28
Cyclone Vacuum Brazed Core Bit	29
Hurricane Dry Core Bit	29
Typhoon Dry Core Bit	29

GRINDERS/SHAPERS

Cyclone S Resin Cup Wheel	31
Cyclone Ultra Cup Wheel	31
Cyclone Hex Cup Wheel	32
Cyclone Flat Resin Cup Wheel	32
Cyclone Brazed Stock Removal Wheel	32
Cyclone Cup Wheel	33
Hurricane Cup Wheel	33
Cyclone V1 Cutter Grinder	33
Cyclone V2 Grinder	33
Cyclone Zero Tolerance Wheel	34
Cyclone Stock Removal Wheel	34
Cyclone Router Bits	35
Cyclone Edge Breaker Bit	35
Hurricane Router Bits	36-38

CONCRETE

Cyclone Cluster Grinding Wheel	39
Cyclone PCD Wheel	39

CNC TOOLING

Cyclone Z Wheel	41
Cyclone S CNC Core Bit	41
Cyclone High Speed & Twin Finger Bit	42
Cyclone Finger Bit	42
Cyclone CNC Core Bit	42
Cyclone CNC Calibrating Wheel	43
Cyclone Incremental Bit	43

AUTO MACHINE TOOLING

Cyclone Snail Lock System	45
Cyclone S Straight Edge Wheels	46
Cyclone S Hybrid Wheels	46
Cyclone Hybrid Wheels	48
Cyclone Straight Edge Wheels	48
Cyclone White Edge Wheels	48

AIR POLISHER

Cyclone MVP Pneumatic Air Polisher	49
------------------------------------	----

ULTRA-COMPACT / TILE / GLASS

Cyclone Ultra Mesh Turbo Blade	51
Cyclone Ultra Core Bit	52
Cyclone Porcelain Tile Bit	52
Cyclone Porcelain Turbo Blade	53
Cyclone Continuous Rim Blade	53
Cyclone Glass Blade	53
Cyclone Electroplated Pad System	53

ACCESSORIES

Backer Pads	54
Adapters	54
Apron	54

TROUBLESHOOTING

CYCLONE ULTRA

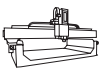


Cyclone Ultra Incremental Bit

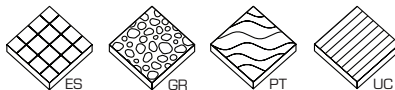
- For use on sink cut-out machines
- Specific metal bond and diamond composition provide fast and clean milling in porcelain and ultra compact material
- Micro incremental bits are designed for cutting at faster speeds. Used to mill tight corners and outlet holes.
- Reverse thread options available



Tools:



Material:

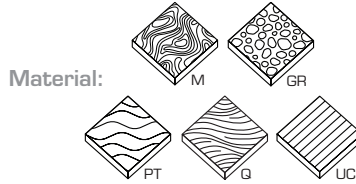
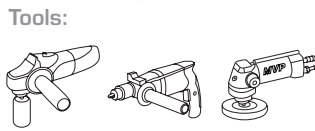


Item #	Diameter	Usable Length	Fitting	Bond	RPM
FBTU2020	20 mm	20 mm	M12	Medium	4,200
FBTU20RT	20 mm	20 mm	M12 reversed	Medium	4,200
Micro Incremental Bits					
FBTU08RT	8 mm	15 mm	1/2 gas reversed	Medium	4,200
FBTU10RT	10 mm	15 mm	1/2 gas reversed	Medium	4,200
Mandrels	Description				Fitting
FBSTIP-M	Cyclone Mandrel with sleeve, 70 mm length				M12 female - 1/2 gas male
FBSM-RT	Cyclone mandrel reverse thread, 70 mm length				M12 female - 1/2 gas male
FBSM-RT25	Cyclone mandrel with reverse thread, 25 mm length				M12 female - 1/2 gas male

Cyclone Ultra Core Bit



- Specific metal bond and diamond composition provides a fast clean hole in porcelain and ultra compact material
- Thin tapered segments give clean cuts
- Wet or dry use

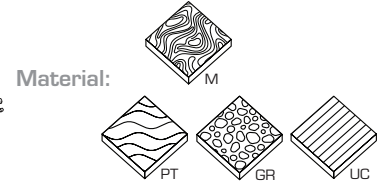
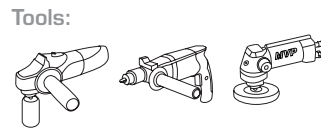


Item #	Size	Fitting	Usable Length	Max RPM
CUDB114	1 1/4"	5/8" - 11	2.25"	5,000
CUDB138	1 3/8"	5/8" - 11	2.25"	5,000
CUDB112	1 1/2"	5/8" - 11	2.25"	5,000
CUDB200	2"	5/8" - 11	2.25"	5,000

Cyclone Ultra Non Core Bit



- Designed with a special bond for large format porcelain and ultra compact material
- Thin tapered segments give clean cuts
- Wet or dry use

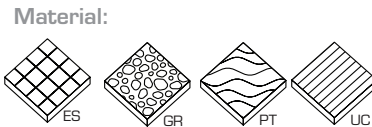


Item #	Size	Fitting	Usable Length	Max RPM
CUDB014	1/4"	5/8" - 11	2"	5,000
CUDB516	5/16"	5/8" - 11	2"	5,000
CUDB038	3/8"	5/8" - 11	2.75"	5,000
CUDB012	1/2"	5/8" - 11	2.75"	5,000
CUDB058	5/8"	5/8" - 11	2.75"	5,000

Cyclone Ultra CNC Core Bit



- T-segment design with new diamond technology increases life and minimizes segment loss
- Designed with slot-openings on each side which prevents blow-outs

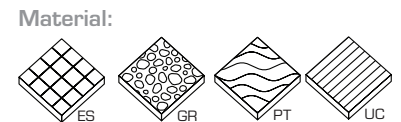


Item #	Size	Fitting	Usable Length	Max RPM
CUBYH138	1 3/8"	1/2" gas	3"	2,300

Cyclone Ultra CNC Finger Bit



- Specific metal bond and diamond composition provide fast and clean milling in porcelain and ultra compact material
- 8 segment design ensures well balanced smooth cut



Item #	Segment Size	Segment #	Fitting	Max RPM
CUFD2025	20 mm x 25L mm	8	1/2" gas	4,500
CUFD2030	20 mm x 30L mm	8	1/2" gas	4,500
CUFD2035	20 mm x 35L mm	8	1/2" gas	4,500
CUFD2040	20 mm x 40L mm	8	1/2" gas	4,500



BLADES

RELIABILITY

From economy blades to our most premium, they are the most dependable blades in stone.

KEY FEATURES



Less than 1%
return ratio on all
turbo blade lines



Specialized
proprietary
bonds for specific
surfaces

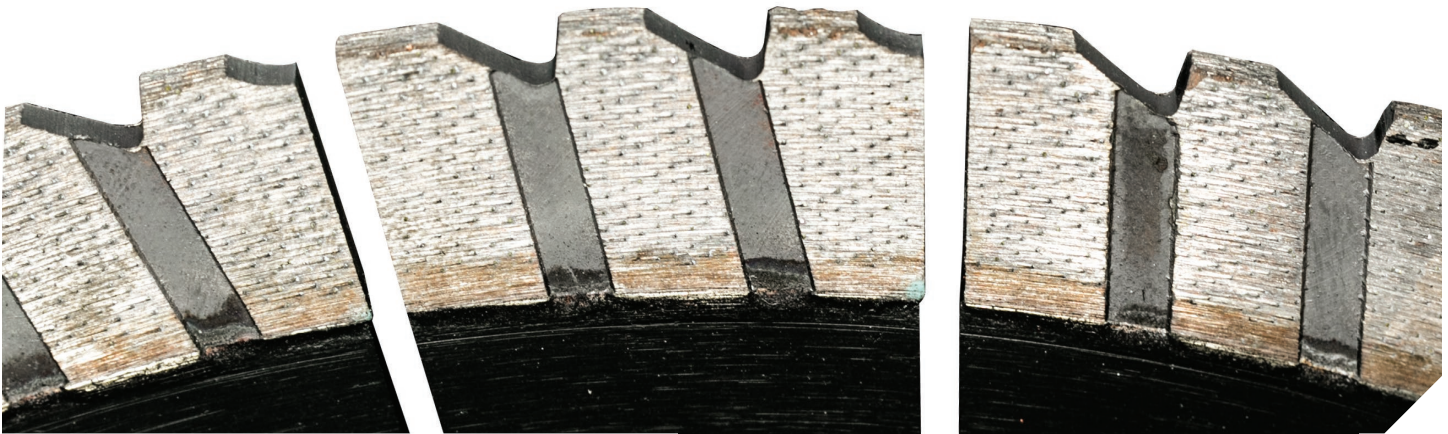


Flawless, straight
cuts every time



Performance you
can trust





Cyclone S Quartzite Silent Core

- Longest lasting Quartzite blade on the market
- Provides a fast and clean cut on Quartzite
- Designed for true straight cuts

Tools:



Material:



Item #	Size	Segment	Arbor	QZT Blade Parameters	
				RPM	Feed Rate
SCQB1420	14"	20 mm	50/60 mm	1,600	4 - 6 ft/min
SCQB1620	16"	20 mm	50/60 mm	1,400	4 - 6 ft/min
SCQB1820	18"	20 mm	50/60 mm	1,200	4 - 6 ft/min
SCQB2020	20"	20 mm	50/60 mm	1,000	4 - 6 ft/min

Cyclone S Quartzite Miter Blade

- Longest lasting Quartzite blade on the market
- Provides a fast and clean cut on Quartzite
- Designed with steel core for straight and miter cuts

Tools:



Material:



Item #	Size	Segment	Arbor	Max RPM
SCQM1420	14"	20 mm	50/60 mm	1,500
SCQM1620	16"	20 mm	50/60 mm	1,300
SCQM1820	18"	20 mm	50/60 mm	1,200



Cyclone S Silent Core Blade



- Newest addition to the innovative Cyclone S line of tools.
- Updated diamond matrix maximizes the life of the blade, providing a fabricator with the most value per linear foot cut
- Proven to last 40% longer than the closest competitor

Tools:



Material:



Item #	Size	Segment	Arbor	RPM
SCDA1420S	14"	20 mm	50/60 mm	1,400 - 1,600
SCDA1426S	14"	26 mm	50/60 mm	1,400 - 1,600
SCDA1620S	16"	20 mm	50/60 mm	1,200 - 1,400
SCDA1626S	16"	26 mm	50/60 mm	1,200 - 1,400
SCDA1826S	18"	26 mm	50/60 mm	1,000 - 1,200

Cyclone Silent Core Blade



- Segments are pressure tested to ensure solid welding
- Cyclone high-speed diamond allocation technology provides fast cutting (SCDA)
- Choose from 20 mm or 26 mm segments

Tools:



Material:



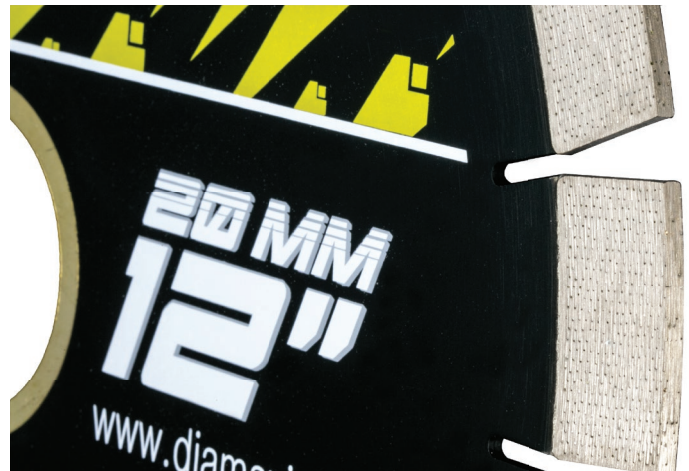
Item #	Size	Segment	Arbor	RPM
SCDA1220	12"	20 mm	50/60 mm	1,600 - 1,800
SCDA1420	14"	20 mm	50/60 mm	1,400 - 1,600
SCDA1426	14"	26 mm	50/60 mm	1,400 - 1,600
SCDA1620	16"	20 mm	50/60 mm	1,200 - 1,400
SCDA1626	16"	26 mm	50/60 mm	1,200 - 1,400
SCDA1690	16"	26 mm	90 mm	1,200 - 1,400
SCDA1826	18"	26 mm	50/60 mm	1,000 - 1,200

Parameters for Cyclone S and Cyclone SCDA

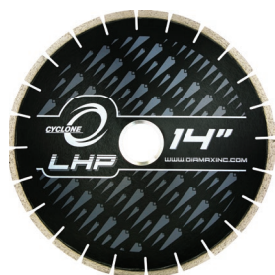
Size	Recommended RPM	Feed rate	Suggested Horsepower
12"	1,800	10 - 17 ft/min	10 - 20
14"	1,600	10 - 17 ft/min	10 - 20
16"	1,400	10 - 17 ft/min	15 - 25
18"	1,200	10 - 17 ft/min	20 - 25

Dual 10 mm pin hole

90 mm bore for use on some machines

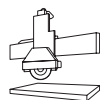


Cyclone Low Horsepower Blade



- First ever low horsepower (LH) blade designed with a silent core
- Designed for the Achilles, Blue Ripper, TSA or any portable track saw device
- Special soft bond cuts super hard material with ease

Tools:



Material:



Item #	Size	Segment	Arbor	RPM
SCLH14	14"	10 mm	50/60 mm	1,400 - 1,600
SCLH16	16"	10 mm	50/60 mm	1,200 - 1,400
SCSB1415	14"	15 mm	50/60 mm	1,400 - 1,600
SCSB1615	16"	15 mm	50/60 mm	1,200 - 1,400



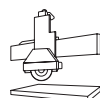
Cyclone Low Horsepower

Cyclone Marble Silent Core Blade



- Designed with a specific marble bond segment
- Segments contain a higher concentration of smaller grit diamonds to insure chip-free clean cutting
- The silent core feature reduces noise significantly
- Performs clean and straight miter cuts

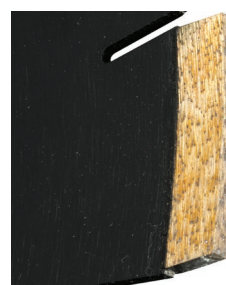
Tools:



Material:



Item #	Size	Segment	Arbor	RPM
SCMARB14	14"	10 mm	50/60 mm	2,000
SCMARB16	16"	10 mm	50/60 mm	1,800

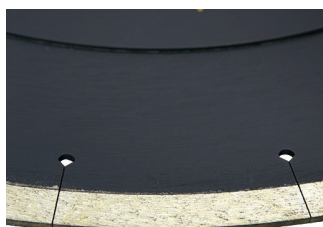


Cyclone Marble Silent Core

Cyclone Ultra Silent Core Blade

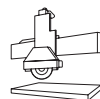


new



- Designed for use on sintered stone & porcelain panels
- New bond & diamond concentration make cuts fast & chip free
- New reinforced core allows for stable miter cuts

Tools



Material:



Item #	Size	Segment	Arbor	Max RPM
CUSB14	14"	10 mm	50/60 mm	2,000
CUSB16	16"	10 mm	50/60 mm	2,200

	14" / 6 mm Porcelain	14" / 2 cm Sintered Stone	16" / 6 mm Porcelain	16" / 2 cm Sintered Stone
RPM	2,200	2,200	2,000	2,000
Feed rate	3,000 mm / 118" per min	1,800 mm / 70" per min	3,000 mm / 118" per min	1,800 mm / 70" per min
Miter feed rate	1,800 mm / 70" per min	700 mm / 27" per min	1,800 mm / 70" per min	700 mm / 27" per min

***Entrance Cut:** Reduce feed rate to 12"/min

***Exit Cut:** Reduce feed rate to 12"/min

***Plunge** at 2"/min

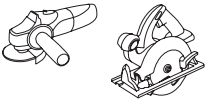
BLADES

Cyclone S Arrowtek Turbo Blade



- The Cyclone Arrowtek design is the next generation of diamond blades
- The Arrowtek rim allows this blade to cut faster and cleaner than traditional turbo blades on hard materials

Tools



Material:



Item #	Size	Arbor	Max RPM
TBA50	5"	5/8" - 7/8" - 20 mm	12,000
TBA55	5.5"	5/8" - 7/8" - 20 mm	10,185
TBA60	6"	5/8" - 7/8" - 20 mm	10,185

Cyclone Side Segment Turbo Blade



- Side segments are fully inlaid within the core for safe cutting
- Side segments prevent blade from binding within the stone
- Thick solid steel core eliminates any possibility of warping and insures straight cuts

Tools



Material:



Item #	Size	Arbor	Max RPM
SSTB5P	5"	5/8" - 7/8" - 20 mm	12,000
SSTB6P	6"	5/8" - 7/8" - 20 mm	10,185
SSTB7P	7"	5/8" - DKO	8,730

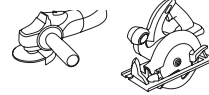


Super Cyclone Turbo Blade



- Our best performing blade on Quartzite
- With a taller 9.5 mm segment and thicker core, this blade cuts with a solid heavy duty feel
- Less than a 1% return ratio over 10 years
- Contains the highest grade of GE Super-abrasive diamonds

Tools



Material:



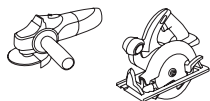
Item #	Size	Arbor	Max RPM
TBSS45	4.5"	5/8" - 7/8" - 20 mm	13,300
TBSS50	5"	5/8" - 7/8" - 20 mm	12,000
TBSS60	6"	5/8" - 7/8" - 20 mm	10,185
TBSS70	7"	5/8" - DKO	8,730

Cyclone Turbo Blade

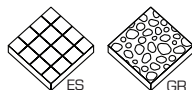


- Laboratory tested to dry cut 118 linear feet of 3 cm absolute black granite
- The #1 selling turbo blade in America
- 7" and 8" blades now have a thicker core which make for straighter cuts

Tools



Material:



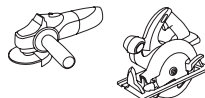
Item #	Size	Arbor	Max RPM
TBS40	4"	5/8" - 7/8" - 20 mm	15,000
TBS45	4.5"	5/8" - 7/8" - 20 mm	13,000
TBS50	5"	5/8" - 7/8" - 20 mm	12,000
TBS60	6"	5/8" - 7/8" - 20 mm	10,185
TBSC70	7"	5/8" - DKO, Silent core	8,730
TBS7Q	7"	5/8" - 7/8" - 20 mm	8,730
TBSC80	8"	5/8" - DKO, Silent core	7,640

Hurricane Turbo Blade

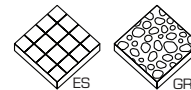


- Cuts like a Cyclone at a more affordable price
- Softer bond for faster cutting
- Still maintains a return ratio of less than 1% over the last 13 years

Tools



Material:



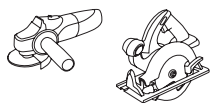
Item #	Size	Arbor	Max RPM
HTB40	4"	5/8" - 7/8" - 20 mm	15,000
HTB45	4.5"	5/8" - 7/8" - 20 mm	13,000
HTB50	5"	5/8" - 7/8" - 20 mm	12,000
HTB60	6"	5/8" - 7/8" - 20 mm	10,185
HTB70	7"	5/8" - DKO	8,730
HTB7Q	7"	5/8" - 7/8" - 20 mm	8,730
HTB80	8"	5/8" - DKO	7,640

Typhoon Turbo Blade



- New bond with additional diamonds offers even faster cutting and an extended life
- Fast, smooth cut throughout the life of the blade
- Cleanest cutting economy turbo blade in the industry

Tools



Material:



Item #	Size	Arbor	Max RPM
TBT40	4"	5/8" - 7/8"	15,000
TBT45	4.5"	5/8" - 7/8"	13,000
TBT50	5"	5/8" - 7/8"	12,000
TBT60	6"	5/8" - 7/8"	10,185
TBT70	7"	5/8" - DKO	8,730

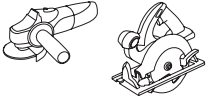


Super Cyclone Electroplated Blade



- Thick enough for quad adapters
- First marble blade with vortex side protection
- Cuts engineered glass composite materials
- Side protection ensures a clean 90° cut

Tools



Material:



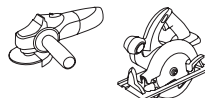
Item #	Size	Arbor	RPM
EMBSL40	4"	5/8" - 7/8" - 20 mm	15,000
EMBSL45	4.5"	5/8" - 7/8" - 20 mm	13,300
EMBSL50	5"	5/8" - 7/8" - 20 mm	12,000
EMBSL60	6"	5/8" - 7/8" - 20 mm	10,185
EMBSL70	7"	5/8" - DKO	8,730
EMBSL7Q	7"	5/8" - 7/8" - 20 mm	8,730

Cyclone Electroplated Blade



- Thin core allows for sharp, clean cuts in all marbles
- Secret electroplating process separates this blades performance from all others
- For straight cuts only

Tools



Material:



Item #	Size	Arbor	RPM
EMBL40	4"	5/8" - 7/8" - 20 mm	15,000
EMBL45	4.5"	5/8" - 7/8" - 20 mm	13,300
EMBL50	5"	5/8" - 7/8" - 20 mm	12,000
EMBL60	6"	5/8" - 7/8" - 20 mm	10,185
EMBL70	7"	5/8" - DKO	8,730

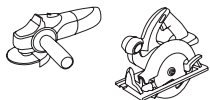


Cyclone Contour Blade

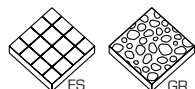


- Vortex side protection designed for faster and smoother cutting
- Side protection helps keep cuts smooth and chip-free
- Increased segment height for longer life

Tools



Material:



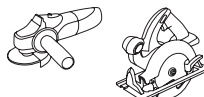
Item #	Size	Arbor	RPM
CTB52	5"	5/8" - 7/8"	12,200
CTB62	6"	5/8" - 7/8"	10,000

Hurricane Contour Blade

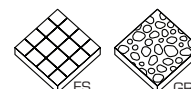


- Perfect balance ensures smooth entry with your first cut
- The turbo-rim produces safer and sharper cuts than segmented contour blades

Tools



Material:



Item #	Size	Arbor	Max RPM
CTBH5	5"	5/8" - 7/8"	12,000
CTBH6	6"	5/8" - 7/8"	10,000

Cyclone Electroplated Contour Blade



- Redesigned with vortex side protection for smoother cutting
- Advanced and highly secretive production process separates Cyclone electroplated products from the rest
- Designed for curve-cutting sinks and large radius cut-outs

Tools



Material:



Item #	Size	Arbor	RPM
CTEB5	5"	5/8" - 7/8"	12,000





DRY POLISHING

MORE WAYS TO POLISH

More shine, less time. Our dry polishing systems offer plenty of options.

KEY FEATURES



First to introduce dry polishing pads to North America



Dry polishing systems at all price points



3, 5 and 8 step systems available



Extremely flexible



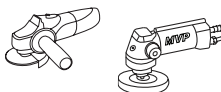


Dryflex 5 Polishing System

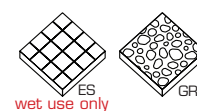
- Super high gloss finish in 5 steps or less
- Achieves highest gloss meter reading of all our dry pad systems
- Polish lighter stone materials w/ 4 steps
- Best system to polish engineered stone (ES). Test first on ES. Some ES may turn black.



Tools



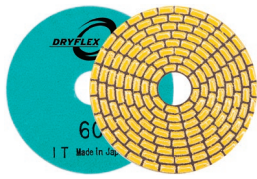
Material:



Pos.	Item #	Size	Fitting	Max RPM
#1	PDH51	4"	Velcro back	4,000
#2	PDH52	4"	Velcro back	4,000
#3	PDH53	4"	Velcro back	4,000
#4	PDH54	4"	Velcro back	4,000
#5	PDH55	4"	Velcro back	4,000

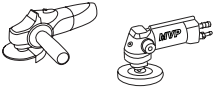
DRY POLISHING

Dryflex Dry Polishing System

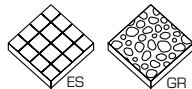


- Designed for craftsmen who really take pride in their work and tools
- 4000 & 5000 grits with a trickle of water are the best final buffs in the business
- Excellent set of pads to have at the job site for quick touch-ups
- Gains flexibility after continual use

Tools:



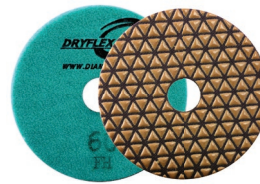
Material:



wet use only

Grit	Item #	Size	Fitting	Bond	RPM
60	PDH460B	4"	Velcro back	Ceramic	3,000
100	PDH4100B	4"	Velcro back	Ceramic	3,000
200	PDH4200B	4"	Velcro back	Ceramic	3,000
400	PDH4400B	4"	Velcro back	Ceramic	3,000
800	PDH4800B	4"	Velcro back	Ceramic	3,000
1,500	PDH41500B	4"	Velcro back	Ceramic	3,000
3,000	PDH43000B	4"	Velcro back	Ceramic	3,000
4,000	PDH44000B	4"	Velcro back	Ceramic	3,000
5,000	PDH45000B	4"	Velcro back	Ceramic	3,000

Dryflex II Dry Polishing System

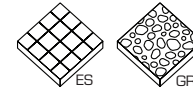


- Same professional finish as Dryflex at a more affordable cost
- 4000 & 5000 grits used with a trickle of water make for excellent final buffs
- Must have for every tool box

Tools:



Material:



wet use only

Grit	Item #	Size	Fitting	Bond	RPM
60	PDH460E	4"	Velcro back	Ceramic	3,000
100	PDH4100E	4"	Velcro back	Ceramic	3,000
200	PDH4200E	4"	Velcro back	Ceramic	3,000
400	PDH4400E	4"	Velcro back	Ceramic	3,000
800	PDH4800E	4"	Velcro back	Ceramic	3,000
1,500	PDH41500E	4"	Velcro back	Ceramic	3,000
3,000	PDH43000E	4"	Velcro back	Ceramic	3,000
4,000	PDH44000E	4"	Velcro back	Ceramic	3,000
5,000	PDH45000E	4"	Velcro back	Ceramic	3,000

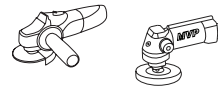


Diaflex Dry Polishing System

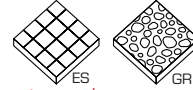


- The first dry polishing system introduced into N. America
- Still the best dry pad system in the world
- Nothing lasts longer or delivers the polish of DIAFLEX
- This system allows you to put a great polished shine on difficult stones with its unique 6000 & 8000 grits

Tools:



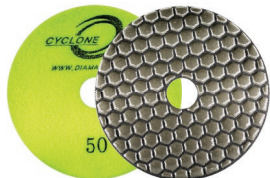
Material:



wet use only

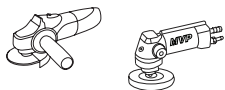
Grit	Item #	Size	Fitting	Bond	RPM
60	PDH40060	4"	Velcro back	Ceramic	4,000
100	PDH40080	4"	Velcro back	Ceramic	4,000
200	PDH40200	4"	Velcro back	Ceramic	4,000
400	PDH40400	4"	Velcro back	Ceramic	4,000
800	PDH40800	4"	Velcro back	Ceramic	4,000
1,500	PDH41500	4"	Velcro back	Ceramic	4,000
3,000	PDH43000	4"	Velcro back	Ceramic	4,000
4,000	PDH46000	4"	Velcro back	Ceramic	4,000
5,000	PDH48000	4"	Velcro back	Ceramic	4,000

Cyclone Dry Polishing System

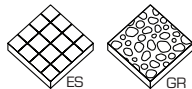


- Best selling dry polishing disk in our line
- Thinner velcro offers more flexibility for polishing complex edges
- Great for polishing engineered stone wet

Tools



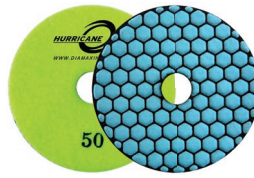
Material:



wet use only

Grit	Item #	Size	Fitting	RPM
50	CDP450	4"	Velcro back	3,000
100	CDP4100	4"	Velcro back	3,000
200	CDP4200	4"	Velcro back	3,000
400	CDP4400	4"	Velcro back	3,000
800	CDP4800	4"	Velcro back	3,000
1,500	CDP41500	4"	Velcro back	3,000
3,000	CDP43000	4"	Velcro back	3,000
Black buff	CDP4BB	4"	Velcro back	3,000
White buff	CDP4BW	4"	Velcro back	3,000

Hurricane Dry Polishing System

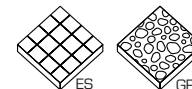


- Specially formulated adhesive keeps the pad together even under high heat
- Use dry or wet

Tools



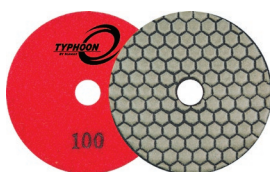
Material:



wet use only

Grit	Item #	Size	Fitting	RPM
50	HDP450	4"	Velcro back	3,000
100	HDP4100	4"	Velcro back	3,000
200	HDP4200	4"	Velcro back	3,000
400	HDP4400	4"	Velcro back	3,000
800	HDP4800	4"	Velcro back	3,000
1,500	HDP41500	4"	Velcro back	3,000
3,000	HDP43000	4"	Velcro back	3,000
Black buff	HDP4BB	4"	Velcro back	3,000
White buff	HDP45000	4"	Velcro back	3,000

Typhoon Dry Polishing System

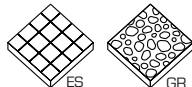


- The best dry polishing system in its class
- When cost is an issue nothing gives you more utility and shine than Typhoon

Tools



Material:



wet use only

Grit	Item #	Size	Fitting	RPM
50	TDP40050	4"	Velcro back	4,000
100	TDP40100	4"	Velcro back	4,000
200	TDP40200	4"	Velcro back	4,000
400	TDP40400	4"	Velcro back	4,000
800	TDP40800	4"	Velcro back	4,000
1,500	TDP41500	4"	Velcro back	4,000
3,000	TDP43000	4"	Velcro back	4,000





WET POLISHING

*THE LEADER IN
WET POLISHING
FOR OVER 20
YEARS*

We have the best brands in wet polishing at all price points to ensure you'll have exactly what you need.

KEY FEATURES



Wet resin velcro polishing pads available in 3", 4" and 5"



Options available for granite, marble & engineered stone



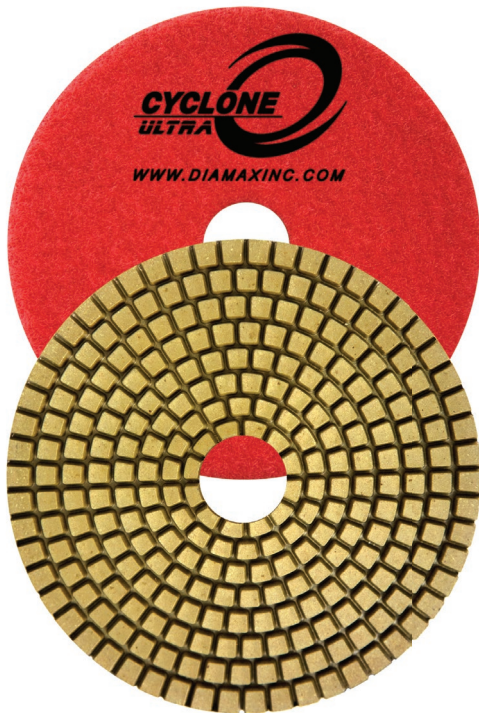
Always in stock





Cyclone Ultra Wet Polishing System

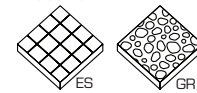
- The Cyclone Ultra is the highest quality wet polishing system produced by Diamax
- With its new resin and heavier diamond formula, the Ultra System delivers longer life & minimizes polishing time at a great value
- Used to polish all engineered and natural stone materials with minimal resin bleeding
- 3 mm thick resin with R Series Tread



Tools



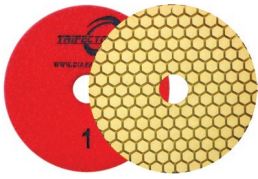
Material:



Grit	3"	4"	5"	Wet Only RPM
50	SPD30050	SPD40050	SPD50050	4,000
100	SPD30100	SPD40100	SPD50100	4,000
200	SPD30200	SPD40200	SPD50200	4,000
400	SPD30400	SPD40400	SPD50400	4,000
800	SPD30800	SPD40800	SPD50800	4,000
1,500	SPD31500	SPD41500	SPD51500	4,000
3,000	SPD33000	SPD43000	SPD53000	4,000
Black buff	SPD3BB	SPD4BB	NA	4,000
White buff	SPD3BW	SPD4BW	NA	4,000

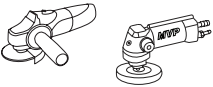
WET POLISHING

Trifecto Polishing System



- Reduces polishing time by 40% to 50%
- Can be used dry but for best results use all 3 steps wet. Start with 120 grit stone, then repeat Pos. 1 with a little water
- Achieves the same gloss meter reading of a full system in half the time

Tools



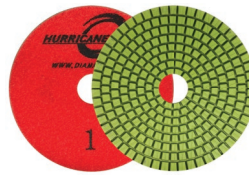
Material:



wet use only

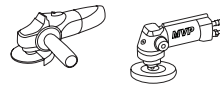
Pos.	Item #	Size	Fitting	Wet/Dry RPM
1	P3D41	4"	Velcro back	4,000
2	P3D42	4"	Velcro back	4,000
3	P3D43	4"	Velcro back	4,000

Hurricane 3 Step Wet Polishing System

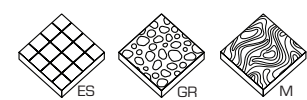


- Step "0" removes deep scratches
- Reduces polishing time by 40 - 50%
- Super diamond concentration removes four polishing steps with an optional zero position
- Extremely flexible design allows for use on ogee profiles & other tight corners

Tools



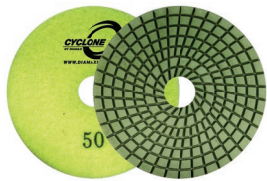
Material:



Pos.	Item #	Size	Fitting	Wet only RPM
0	PD4F40	4"	Velcro back	4,000
1	PD4F41	4"	Velcro back	4,000
2	PD4F42	4"	Velcro back	4,000
3	PD4F43	4"	Velcro back	4,000

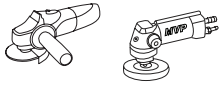


Cyclone Wet Polishing System Superflex Series



- Premium wet polishing disk
- Durable and high-performing against the top brands in the industry
- Gains flexibility after continual use
- 3 mm thick resin with Superflex tread

Tools:



Material:



Grit	3"	4"	5"	Wet only RPM
50	PD350SF	PD450SF	PD550SF	4,000
100	PD3100SF	PD4100SF	PD5100SF	4,000
200	PD3200SF	PD4200SF	PD5200SF	4,000
400	PD3400SF	PD4400SF	PD5400SF	4,000
800	PD3800SF	PD4800SF	PD5800SF	4,000
1,500	PD31500SF	PD41500SF	PD51500SF	4,000
3,000	PD33000SF	PD43000SF	PD53000SF	4,000
Black buff	PD3BB	PD4BB	PD5BB	4,000
White buff	PD3BW	PD4BW	PD5BW	4,000

Cyclone Wet Polishing System R-Series

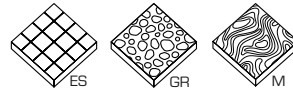


- Premium wet polishing disk
- Durable and high-performing against the top brands in the industry
- Gains flexibility after continual use
- 3 mm thick resin with R Series Tread

Tools:



Material:



Grit	3"	4"	5"	Wet only RPM
50	PDR350	PDR450	PDR550	4,000
100	PDR3100	PDR4100	PDR5100	4,000
200	PDR3200	PDR4200	PDR5200	4,000
400	PDR3400	PDR4400	PDR5400	4,000
800	PDR3800	PDR4800	PDR5800	4,000
1,500	PDR31500	PDR41500	PDR51500	4,000
3,000	PDR33000	PDR43000	PDR53000	4,000
Black buff	PDR3BB	PDR4BB	NA	4,000
White buff	PDR3BW	PDR4BW	NA	4,000

Cyclone Wet Polishing System S-Series

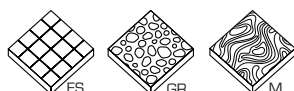


- Premium wet polishing disk
- Durable and high-performing against the top brands in the industry
- Gains flexibility after continual use
- 3 mm thick resin with S Series Tread

Tools:

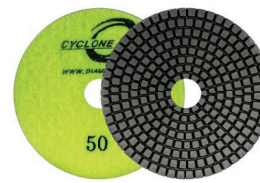


Material:



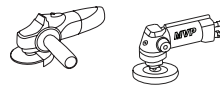
Grit	3"	4"	Wet only RPM
50	STS350	STS450	4,000
100	STS3100	STS4100	4,000
200	STS3200	STS4200	4,000
400	STS3400	STS4400	4,000
800	STS3800	STS4800	4,000
1,500	STS31500	STS41500	4,000
3,000	STS33000	STS43000	4,000

3.5 Cyclone Wet Polishing System R-Series



- Thicker 3.5mm pads with our highest selling R series tread pattern
- Available in 30, 50, 100, 300, 500, 1000, 2000, 3000 grits
- Pads may be used interchangeably with other Diamax wet polishing systems

Tools:



Material:



Grit	Item #	Size	Fitting	Wet only RPM
30	PDR3530	4"	Velcro back	4,000
50	PDR3550	4"	Velcro back	4,000
100	PDR35100	4"	Velcro back	4,000
300	PDR35300	4"	Velcro back	4,000
500	PDR35500	4"	Velcro back	4,000
1,000	PDR351000	4"	Velcro back	4,000
2,000	PDR352000	4"	Velcro back	4,000
3,000	PDR353000	4"	Velcro back	4,000

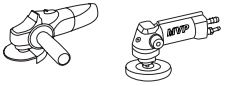
WET POLISHING

Hurricane Wet Polishing System RE Series

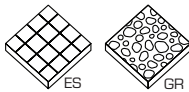


- This wet pad system is the best value in terms of durability, polish, and flexibility
- Best selling 3 mm pad in our line-up
- New 30 grit pad can be used as a substitute for carbide stones to remove deep scratches
- 3 mm thick resin with R Series Tread

Tools

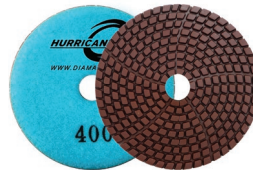


Material:



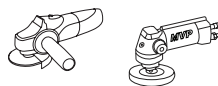
Grit	3"	4"	5"	Wet only RPM
30	NA	PDRE40030	NA	4,000
50	PDRE350	PDRE450	PDRE550	4,000
100	PDRE3100	PDRE4100	PDRE5100	4,000
200	PDRE3200	PDRE4200	PDRE5200	4,000
400	PDRE3400	PDRE4400	PDRE5400	4,000
800	PDRE3800	PDRE4800	PDRE5800	4,000
1,500	PDRE31500	PDRE41500	PDRE51500	4,000
3,000	PDRE33000	PDRE43000	PDRE53000	4,000
Black buff	PDRE3BB	PDRE4BB	PDRE5BB	4,000
White buff	PDRE3BW	PDRE4BW	PDRE5BW	4,000

Hurricane Wet Polishing System WE Series

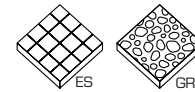


- This wet pad system is the best value in terms of durability, polish, and flexibility
- 3 mm thick resin with W Series Tread

Tools



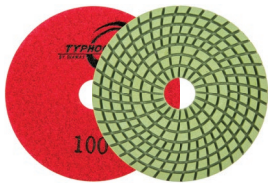
Material:



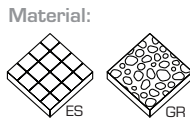
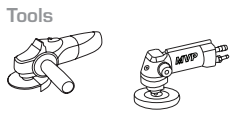
Grit	3"	4"	5"	Wet only RPM
50	PDWE350	PDWE450	PDWE550	4,000
100	PDWE3100	PDWE4100	PDWE5100	4,000
200	PDWE3200	PDWE4200	PDWE5200	4,000
400	PDWE3400	PDWE4400	PDWE5400	4,000
800	PDWE3800	PDWE4800	PDWE5800	4,000
1,500	PDWE31500	PDWE41500	PDWE51500	4,000
3,000	PDWE33000	PDWE43000	PDWE53000	4,000



Typhoon Wet Polishing System



- Gives you the best polish in the economy class without sacrificing life
- Durable with a spiral design that spreads water efficiently
- 3 mm thick resin

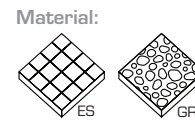
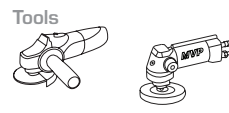


Grit	4"	5"	Fitting	RPM/Wet
50	PDRH450	PDRH550	Velcro back	4,000
100	PDRH4100	PDRH5100	Velcro back	4,000
200	PDRH4200	PDRH5200	Velcro back	4,000
400	PDRH4400	PDRH5400	Velcro back	4,000
800	PDRH4800	PDRH5800	Velcro back	4,000
1,500	PDRH41500	PDRH51500	Velcro back	4,000
3,000	PDRH43000	PDRH53000	Velcro back	4,000

Cyclone Polishing Convex Disk



- Pads are useful for ogee edge polishing
- Good for polishing difficult to reach areas like inside corners of sink cut outs
- Velcro backed for use with 3" backer pad

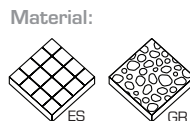
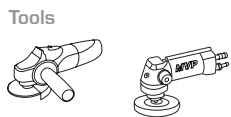


Grit	Item #	Size	Fitting	RPM/Wet
50	PDCX30050	3"	Velcro back	2,500
100	PDCX30100	3"	Velcro back	2,500
200	PDCX30200	3"	Velcro back	2,500
400	PDCX30400	3"	Velcro back	2,500
800	PDCX30800	3"	Velcro back	2,500
1,500	PDCX31500	3"	Velcro back	2,500
3,000	PDCX33000	3"	Velcro back	2,500
Black buff	PDCX3BB	3"	Velcro back	2,500
White buff	PDCX3BW	3"	Velcro back	2,500

Cyclone Polishing Drum Wheel



- Edge polishing for sink cut-outs
- Recommended use: Oscillate up and down for proper even drum wear
- Rubber drum increases tread life & reduces vibration



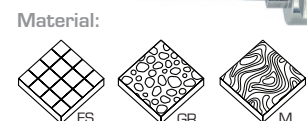
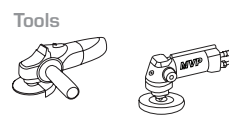
Grit	Item #	Size	Fitting	RPM/Wet
50	RD250	2" x 2"	5/8" - 11	3,000
100	RD2100	2" x 2"	5/8" - 11	3,000
200	RD2200	2" x 2"	5/8" - 11	3,000
400	RD2400	2" x 2"	5/8" - 11	3,000
800	RD2800	2" x 2"	5/8" - 11	3,000
1,500	RD21500	2" x 2"	5/8" - 11	3,000
3,000	RD23000	2" x 2"	5/8" - 11	3,000
Black buff	RD2BB	2" x 2"	5/8" - 11	3,000
White buff	RD2BW	2" x 2"	5/8" - 11	3,000



Cyclone Mini-Polishing Drum Sleeve & Adapter



- Small diameter allows you to wet polish tight radiuses not accessible with a pad
- Dual threaded adapter allows for use on CNC or hand-held water fed polisher
- Available in 7 grits that change out easily from the stainless steel adapter
- Wet use only



Grit	Item #	Size (W x L)	Dual Fitting	RPM
50	SRD250	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
100	SRD2100	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
200	SRD2200	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
400	SRD2400	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
800	SRD2800	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
1500	SRD21500	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
3000	SRD23000	3/4" x 1 1/2"	1/2 gas & 5/8"-11	3,000
NA	SRDAPT	4" adapter length	5/8" Inner thread + 1/2" gas outer	



ENGINEERED STONE POLISHING

SPECIALIZED POLISHING

From 3 step to 7 step, we have a Quartz polishing solution in all price points you can choose from.

KEY FEATURES



Will not burn
engineered stone



Enhanced resin
formula guarantees
to never bleed

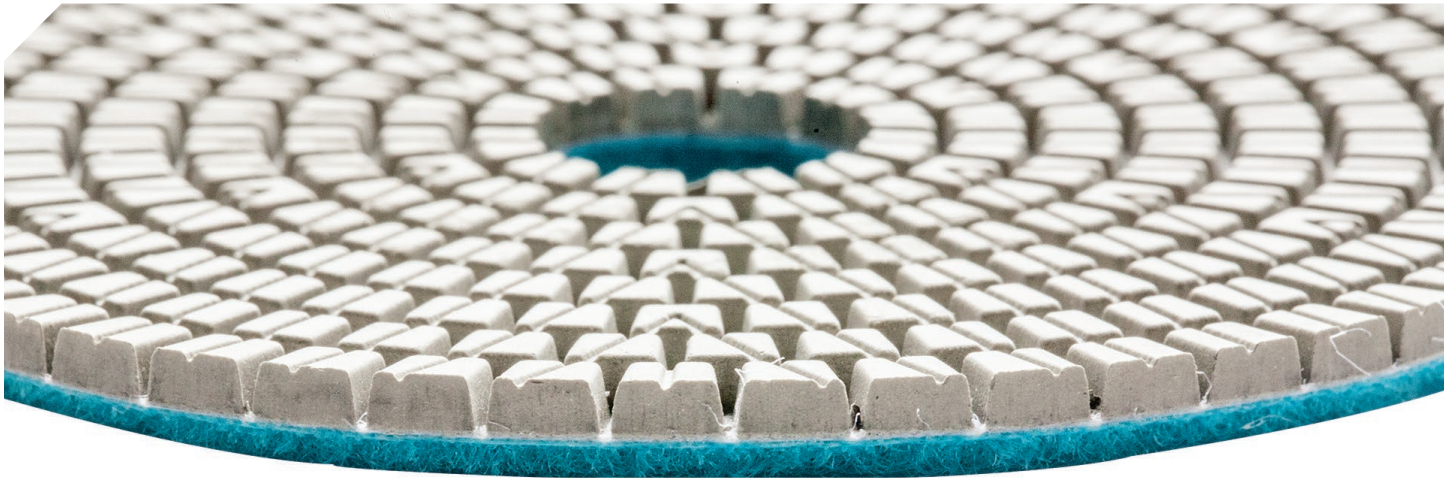


Polish engineered
stone faster than
our competitors



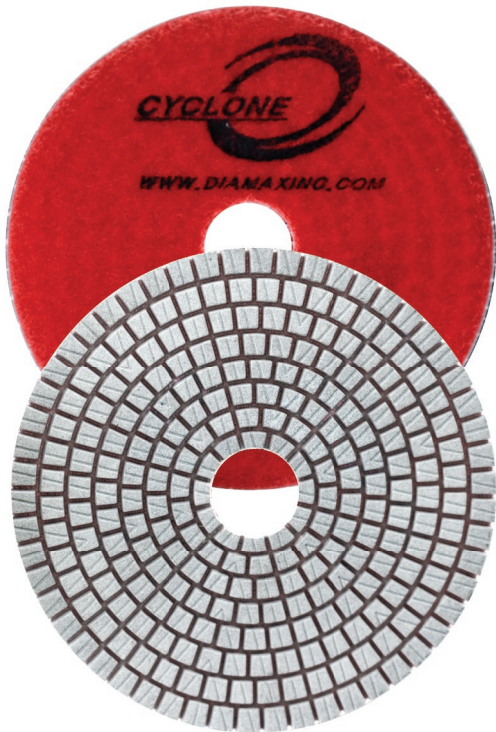
Choose from our
7 step or 3 step
options



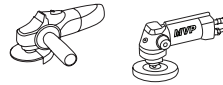


Cyclone ES White 3 Step Polishing System

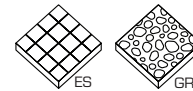
- Light colored resin allows for polishing of lighter colored stones without bleeding
- Unique diamond matrix enables you to polish in three easy steps
- Increased flexibility for tight corners & contoured edges



Tools



Material:



Pos.	Item #	Size	Description	RPM
0	ESWP400	4"	Velcro back, 3 mm resin	4,000
1	ESWP401	4"	Velcro back, 3 mm resin	4,000
2	ESWP402	4"	Velcro back, 3 mm resin	4,000
3	ESWP403	4"	Velcro back, 3 mm resin	4,000

ENGINEERED STONE POLISHING



Position ZERO now available in 4"



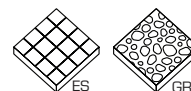
Hurricane ES White 3 Step Polishing System

- Provides all the great features of the Cyclone version at a more competitive price
- Outperforms other industry brands at the same price point level
- More forgiving when polishing engineered stone with minimal water

Tools



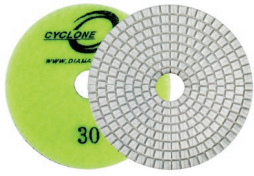
Material:



Pos.	Item #	Size	Description	RPM
0	ESHWP400	4"	Velcro back, 3 mm resin	4,000
1	ESHWP401	4"	Velcro back, 3 mm resin	4,000
2	ESHWP402	4"	Velcro back, 3 mm resin	4,000
3	ESHWP403	4"	Velcro back, 3 mm resin	4,000
1	ESHWP501	5"	Velcro back, 3 mm resin	4,000
2	ESHWP502	5"	Velcro back, 3 mm resin	4,000
3	ESHWP503	5"	Velcro back, 3 mm resin	4,000

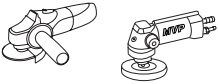


Cyclone ES White 7 Step Polishing System

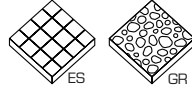


- Small tread pattern for flexibility
- Light colored resin to keep pads from bleeding into your engineered stone

Tools

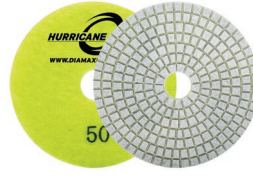


Material:



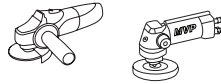
Grit	Item #	Size	Description	RPM
30	ESWP40030	4"	Velcro back, 3 mm resin	4,000
60	ESWP40060	4"	Velcro back, 3 mm resin	4,000
150	ESWP40150	4"	Velcro back, 3 mm resin	4,000
400	ESWP40400	4"	Velcro back, 3 mm resin	4,000
800	ESWP40800	4"	Velcro back, 3 mm resin	4,000
1500	ESWP41500	4"	Velcro back, 3 mm resin	4,000
3000	ESWP43000	4"	Velcro back, 3 mm resin	4,000

Hurricane ES White 7 Step Polishing System

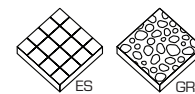


- Outperforms other industry brands at the same price point level
- For use on natural stone and engineered stone

Tools



Material:



Grit	Item #	Size	Description	RPM
30	ESHWP40050	4"	Velcro back, 3 mm resin	4,000
60	ESHWP40100	4"	Velcro back, 3 mm resin	4,000
150	ESHWP40200	4"	Velcro back, 3 mm resin	4,000
400	ESHWP40400	4"	Velcro back, 3 mm resin	4,000
800	ESHWP40800	4"	Velcro back, 3 mm resin	4,000
1500	ESHWP41500	4"	Velcro back, 3 mm resin	4,000
3000	ESHWP43000	4"	Velcro back, 3 mm resin	4,000



CORE DRILL BITS

*LONGEVITY.
EFFECTIVE TO
THE CORE*

Drill more holes per bit than
any other in the industry.

KEY FEATURES



Cyclone, the #1
core drill brand in
America



Our non coring
bits are the
fastest around



Segments can be
used through to
the end



Made to drill wet
or dry



CORE DRILL BITS



Cyclone S QZT Core Bit with Inside/Outside Protection



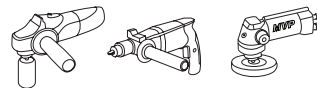
- Bond formulated to cut through hard quartzite fast. Also, assures a long lifespan.
- Works on granite, engineered stone and marble
- Brazed diamonds on the inside and outside core
- Inlaid T-segments
- Works wet or dry

Cyclone Dry Core Bit with Inside/Outside Protection

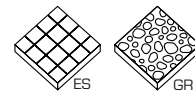


- Inside vacuum brazed diamonds assist with smooth drilling and easy core removal
- Comes with outside vacuum brazed side protection
- Perfect for use in the field when water is not an option. Can be used dry or wet.
- Use water to prolong segment life
- 5/8" - 11 female thread

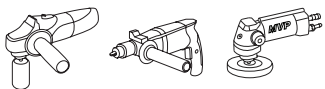
Tools



Material:



Tools

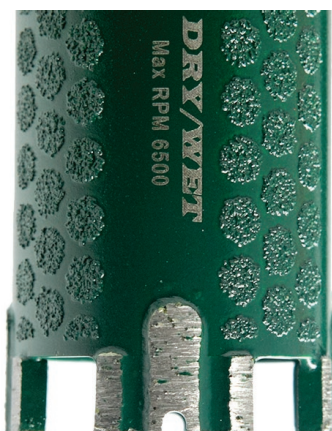


Material:



Item #	Size	Fitting	Usable Length	Max RPM
CDBQZ114	1 1/4"	5/8" - 11 thread	3"	6,500
CDBQZ138	1 3/8"	5/8" - 11 thread	3"	6,500
CDBQZ112	1 1/2"	5/8" - 11 thread	3"	6,500

Item #	Size	Usable Length	RPM Hand Grinder	RPM Drill Press, CNC
			Stone hard / soft	Stone hard / soft
CDBYSD100	1"	3"	3,200 / 6,500	2,000 / 3,200
CDBYSD114	1 1/4"	3"	4,800 / 6,500	2,000 / 3,200
CDBYSD138	1 3/8"	3"	4,800 / 6,500	2,000 / 3,200
CDBYSD112	1 1/2"	3"	4,800 / 6,500	2,000 / 3,200
CDBYSD158	1 5/8"	3"	4,800 / 6,500	2,000 / 3,200
CDBYSD134	1 3/4"	3"	4,500 / 5,300	2,200 / 2,700
CDBYSD200	2"	3"	4,500 / 5,300	2,200 / 2,700

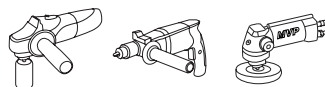


Cyclone Turbo Dry Core Bit with Side Diamonds

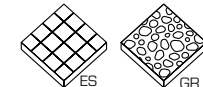


- Aggressive turbo rim designed for increased speed
- T-segment design minimizes segment loss
- Hefty vacuum brazed side protection
- For wet or dry use
- 5/8" - 11 female thread

Tools



Material:



Item #	Size	Usable Length	RPM Hand Grinder	RPM Drill Press, CNC
			Stone hard / soft	Stone hard / soft
CDBYTU114	1 1/4"	3"	4,800 / 6,500	2,000 / 3,200
CDBYTU138	1 3/8"	3"	4,800 / 6,500	2,000 / 3,200

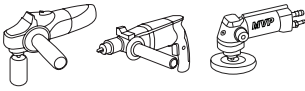
CORE DRILL BITS

Cyclone S Thin Wall Core Bit

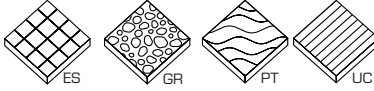


- Designed for long lifespan, fast coring speeds and clean cuts
- Wet use only

Tools



Material:



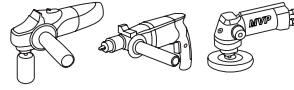
Item #	Size	Fitting	Usable Length	Max RPM
CDBCTW114	1 1/4"	5/8" - 11 thread	2 1/2"	1,250
CDBCTW138	1 3/8"	5/8" - 11 thread	2 1/2"	1,250
CDBCTW112	1 1/2"	5/8" - 11 thread	2 1/2"	1,250

Cyclone Dry/Wet Core Bit

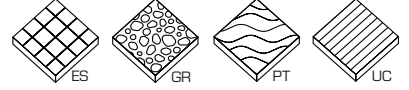


- Our fastest core bit will drill most granite in under 30 seconds with water
- Largest inventory available from 1" to 6"
- A better alternative to thin wall core bits
- Vacuum-brazed side-protection
- Use dry or wet

Tools



Material:



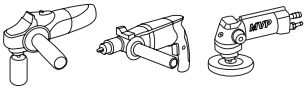
Item #	Size	Fitting	Usable Length	RPM
CDBS100	1"	5/8" - 11 thread	3"	6,500
CDBS118	1 1/8"	5/8" - 11 thread	3"	6,500
CDBS114	1 1/4"	5/8" - 11 thread	3"	6,500
CDBS138	1 3/8"	5/8" - 11 thread	3"	6,500
CDBS112	1 1/2"	5/8" - 11 thread	3"	6,500
CDBS158	1 5/8"	5/8" - 11 thread	3"	5,300
CDBS134	1 3/4"	5/8" - 11 thread	3"	5,300
CDBS200	2"	5/8" - 11 thread	3"	4,200
CDBS214	2 1/4"	5/8" - 11 thread	3"	4,200
CDBS238	2 3/8"	5/8" - 11 thread	3"	4,200
CDBS212	2 1/2"	5/8" - 11 thread	3"	3,600
CDBS234	2 3/4"	5/8" - 11 thread	3"	3,600
CDBS300	3"	5/8" - 11 thread	3"	3,000
CDBS312	3 1/2"	5/8" - 11 thread	3"	2,700
CDBS400	4"	5/8" - 11 thread	3"	2,100
CDBS412	4 1/2"	5/8" - 11 thread	3"	2,000
CDBS500	5"	5/8" - 11 thread	3"	1,800
CDBS600	6"	5/8" - 11 thread	3"	1,400

Cyclone Dry Non-Coring Bit



- New dry segment matrix allows these non-core drill bits to perform under high heat conditions
- For best performance use at 6,500 RPM with center-fed water
- Use dry or wet

Tools



Material:



Item #	Size	Fitting	Usable Length	RPM
CDBYNC316	3/16"	5/8" - 11 thread	2"	6,500
CDBYNC516	5/16"	5/8" - 11 thread	2"	6,500
CDBYNC14	1/4"	5/8" - 11 thread	2"	6,500
CDBYNC38	3/8"	5/8" - 11 thread	2.75"	6,500
CDBY12	1/2"	5/8" - 11 thread	2.75"	6,500
CDBY58	5/8"	5/8" - 11 thread	2.75"	6,500
CDBY34	3/4"	5/8" - 11 thread	2.75"	6,500

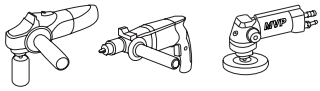


Cyclone Vacuum Brazed Core Bit



- Cores through the softest marble clean & chip free
- Vacuum brazed diamonds on inside and outside of core
- Cooling slots allows for easier core removal when stuck
- Performs wet or dry

Tools



Material:



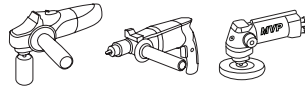
Item #	Size	Fitting	Usable Length	Max RPM
CDBM114	1 1/4"	5/8" - 11 thread	2.75"	4,000
CDBM138	1 3/8"	5/8" - 11 thread	2.75"	4,000
CDBM112	1 1/2"	5/8" - 11 thread	2.75"	4,000

Hurricane Dry Core Bit

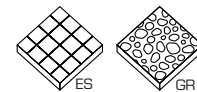


- High performing dry core drill bit in an economy package
- New design with outside vacuum brazed side protection and mini-T segment for better durability

Tools



Material:



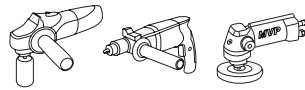
Item #	Size	Fitting	Usable Length	Max RPM
CDBYHD114	1 1/4"	5/8" - 11 thread	3"	6,500
CDBYHD138	1 3/8"	5/8" - 11 thread	3"	6,500
CDBYHD112	1 1/2"	5/8" - 11 thread	3"	6,500

Typhoon Dry Core Bit

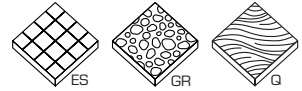


- The thin wall cylinder makes this core bit fast and economical with premium performance
- Comes with vacuum brazed diamonds on the outside core
- Special grit formulation for dense material
- Turbo rim cuts the hardest materials

Tools



Material:



Item #	Size	Fitting	Usable Length	Max RPM
CDBTD114	1 1/4"	5/8" - 11 thread	3"	6,500
CDBTD138	1 3/8"	5/8" - 11 thread	3"	6,500
CDBTD112	1 1/2"	5/8" - 11 thread	3"	6,500

Suggested RPM for Segmented/Sintered Core Bits:

Size	RPM Hand Grinder	RPM Drill Press,CNC	Size	RPM Hand Grinder	RPM Drill Press,CNC	Size	RPM Hand Grinder	RPM Drill Press,CNC
	Stone hard / soft	Stone hard / soft		Stone hard / soft	Stone hard / soft		Stone hard / soft	Stone hard / soft
3/16"	3,200 - 6,500	2,000 - 2,500	1 1/4"	4,800 - 6,500	2,000 - 3,200	2 3/4"	3,000 - 3,600	1,600 - 1,800
1/4"	3,200 - 6,500	2,000 - 2,500	1 3/8"	4,800 - 6,500	2,000 - 3,200	3"	2,700 - 3,000	1,400 - 1,600
5/16"	3,200 - 6,500	2,000 - 2,500	1 1/2"	4,800 - 6,500	2,000 - 3,200	3 1/2"	2,400 - 2,700	1,200 - 1,400
3/8"	3,200 - 6,500	2,000 - 2,500	1 5/8"	4,800 - 6,500	2,000 - 3,200	4"	2,100 - 2,400	1,100 - 1,200
1/2"	3,200 - 6,500	2,000 - 2,500	1 3/4"	4,500 - 5,300	2,200 - 2,700	4 1/2"	1,800 - 2,000	900 - 1,000
5/8"	3,200 - 6,500	2,000 - 2,500	2"	4,500 - 5,300	2,200 - 2,700	5"	1,700 - 1,800	800 - 900
3/4"	3,200 - 6,500	2,000 - 3,200	2 1/4"	3,700 - 4,200	1,800 - 2,100	6"	1,300 - 1,400	700
1"	3,200 - 6,500	2,000 - 3,200	2 3/8"	3,700 - 4,200	1,800 - 2,100	<i>Not applicable for vacuum brazed core bits (CDBM)</i>		
1 1/8"	4,800 - 6,500	2,000 - 3,200	2 1/2"	3,700 - 4,200	1,800 - 2,100			



GRINDERS / SHAPERS

KEEP YOUR STONE IN SHAPE

These reliable grinders and shapers include a variety of wheels, bits and grinding tools to custom shape engineered stone and granite.

KEY FEATURES



Perfect balance
and zero vibration
comes standard



Zero tolerance
wheels available
with or without
resin



All router shapes
in stock for
immediate delivery

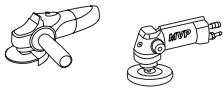


Cyclone S Resin Cup Wheel



- 30/50 grit are aggressive enough for rapid stock removal with minimal effort
- 100/200 grit work great for clean up on seams or miters. They also perform very well on ultra compact materials.
- These wheels have the look and feel of a pad but have the performance and durability of a cup wheel
- Aluminum body makes this cup wheel light
- Use wet or dry

Tools



Material:



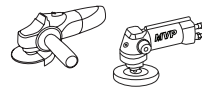
Item #	Size	Grit	Aluminum Backer	Bond	Wet Max RPM	Dry Max RPM
PDCS430	4"	30	5/8" - 11	Hard	7,000	4,000 - 5,000
PDCS450	4"	50	5/8" - 11	Hard	7,000	4,000 - 5,000
PDCS4100	4"	100	5/8" - 11	Hard	7,000	4,000 - 5,000
PDCS4200	4"	200	5/8" - 11	Hard	7,000	4,000 - 5,000

Cyclone Ultra Cup Wheel

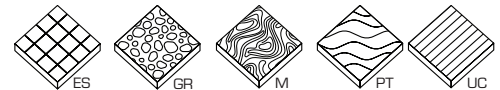


- Fine diamond grit allows a chip-free grind on porcelain, marble and troublesome granite
- Fiber backing absorbs vibration to reduce chipping
- Great for prepping seam joints, miter clean up or a beveled edge profile
- Light weight design allows for usage on pneumatic polishers
- Can be run wet or dry

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
CUFCN4C	4"	Coarse 30/40	5/8" - 11	3,200 - 6,500
CUFCN4M	4"	Medium 50/60	5/8" - 11	3,200 - 6,500
CUFCN4F	4"	Fine 80/100	5/8" - 11	3,200 - 6,500



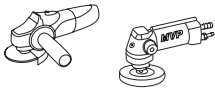
GRINDERS/SHAPERS

Cyclone Hex Flat Resin Cup Wheel

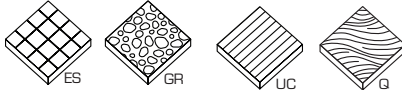


- Resin surface gives a smooth feel when grinding
- More aggressive than the Cyclone Flat Resin Cup Wheel
- Flat 90° surface allows for corner shaping and grinding
- Aluminum body makes this cup wheel light
- Wet or dry use

Tools



Material:



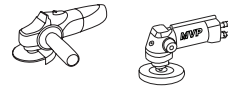
Item #	Size	Grit	Fitting	Max RPM
CFRCW40	4"	Coarse 30	5/8" - 11 thread	3,500 - 4000
CFRCW4M	4"	Medium 60/70	5/8" - 11 thread	3,500 - 4000
CFRCW4F	4"	Fine 100/120	5/8" - 11 thread	3,500 - 4000

Cyclone Flat Resin Cup Wheel



- Updated coarse grit is more aggressive
- Longest lasting cup wheel available
- Designed to be used dry or wet
- Safer than silicone carbide wheels
- Beveled edge helps grind over curved edges with ease
- Wet or dry use

Tools



Material:



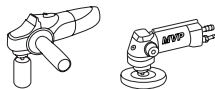
Item #	Size	Grit	Fitting	Max RPM
CWFRN4C	4"	Coarse 30	5/8" - 11 thread	11,000
CWFRN4M	4"	Medium 50	5/8" - 11 thread	11,000
CWFRN4F	4"	Fine 100	5/8" - 11 thread	11,000
CWFR50	5"	Coarse 30	5/8" - 11 thread	7,500
CWFR5M	5"	Medium 50	5/8" - 11 thread	7,500
CWFR5F	5"	Fine 100	5/8" - 11 thread	7,500

Cyclone Brazed Stock Removal Wheel

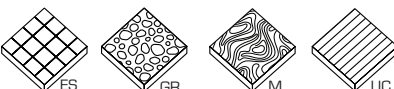


- Fastest way to shape a radius on the outside edge or remove material from a sink cut out
- Vacuum brazed, wet or dry use
- Available in 3 grits: 30, 60 & 100
- Comes with center water feed

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
SRVB230	2" x 2"	Coarse 30	5/8" - 11 thread	4,000
SRVB260	2" x 2"	Medium 60	5/8" - 11 thread	4,000
SRVB2100	2" x 2"	Fine 100	5/8" - 11 thread	4,000
SRVB2038	2" x 3/8"	Coarse 30	5/8" - 11 thread	4,000
SRVB2034	2" x 3/4"	Coarse 30	5/8" - 11 thread	4,000



SRVB2038

SRVB2034

Cyclone Turbo Cup Wheel



- Balanced to eliminate vibration and chipping when shaping
- Aggressive design with thick turbo segments and diamond content

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
CW40	4"	Coarse 30	5/8" - 11 thread	8,000
CW40M	4"	Medium 50	5/8" - 11 thread	8,000
CW40F	4"	Fine 100	5/8" - 11 thread	8,000
CW50	5"	Coarse 30	5/8" - 11 thread	7,500
CW60	6"	Coarse 30	5/8" - 11 thread	6,000
CW70	7"	Coarse 30	5/8" - 11 thread	5,500

Hurricane Cup Wheel

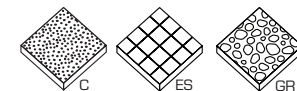


- Balanced to eliminate vibration and chipping when shaping
- Aggressive design with thick turbo segments and diamond content

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
HCW4C	4"	Coarse 30	5/8" - 11 thread	8,000
HCW4M	4"	Medium 50	5/8" - 11 thread	8,000
HCW4F	4"	Fine 100	5/8" - 11 thread	8,000

Cyclone V1 Cutter/Grinder

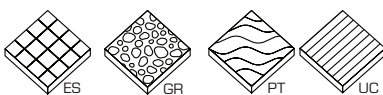


- Vacuum brazed, extremely aggressive & versatile tool for edge shaping
- Cuts like a blade and shapes like a cup wheel easily with a few passes
- Not meant for flat surface grinding

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
BGC430	4"	Coarse 30	5/8" - 11 thread	8,000
BGC450	4"	Medium 50	5/8" - 11 thread	8,000
BGC530	5"	Coarse 30	5/8" - 11 thread	7,500
BGC550	5"	Medium 50	5/8" - 11 thread	7,500

Cyclone V2 Grinder

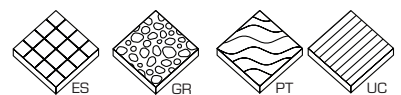


- Vacuum brazed and extremely aggressive for flat edge prep before wet polishing
- Can be used in substitution to silica carbide wheels wet or dry
- Minimizes dust in shops
- Light-weight and easy to use

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
BVG430	4"	Coarse 30	Velcro back	1,500
BVG450	4"	Medium 50	Velcro back	1,500
BVG4100	4"	Fine 100	Velcro back	1,500

GRINDERS/SHAPERS

Cyclone Zero Tolerance Wheel

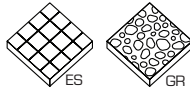


- The most reliable tool for truing vanity sink cut-outs
- Available with resin to reduce vibration or segmented for aggressive stock removal
- Balanced to eliminate vibration
- Oscillate wheel up/down for even wear

Tools



Material:



Item #	Size	Grit	Description	Fitting	Max RPM
SRWC1158	1"	Coarse/Med 40/50	Resin	5/8" - 11 thread	8,000
SRWC1NR	1"	Coarse/Med 40/50	No resin	5/8" - 11 thread	8,000
SRWC2158	2"	Coarse/Med 40/50	Resin	5/8" - 11 thread	8,000
SRWC2NR	2"	Coarse/Med 40/50	No resin	5/8" - 11 thread	8,000
SRWC3158	3"	Coarse/Med 40/50	Resin	5/8" - 11 thread	8,000
SRWC3NR	3"	Coarse/Med 40/50	No resin	5/8" - 11 thread	8,000



SRWC3NR



SRWC1158



SRWC1NR

Cyclone Stock Removal Wheel

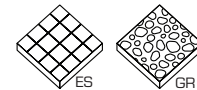


- Available in 36, 60 and 120 grit
- Removes radius stock chip-free
- Zero vibration
- Recommended use: Oscillate wheel up and down to wear evenly and avoid grooves

Tools



Material:



Item #	Size	Grit	Fitting	Max RPM
SRW236	2"	Coarse 36	5/8" - 11 thread	4,000
SRW260	2"	Medium 60	5/8" - 11 thread	4,000
SRW2120	2"	Fine 120	5/8" - 11 thread	4,000

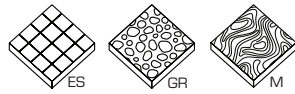


Cyclone Router Bit Series

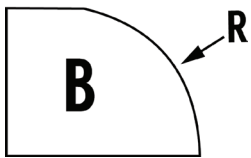
Tools



Material:

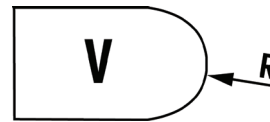


Cyclone Demi Bull Router Bit



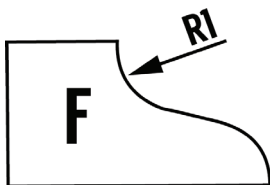
Item #	Size	Shape	Pos #	Outer Diameter	Radius	Bearing #
RDBC20	20 mm	B	#1	75	R = 20	BCDEOG
RDBM20	20 mm	B	#2	75	R = 20	BCDEOG
RDBF20	20 mm	B	#3	75	R = 20	BCDEOG
RDBC30	30 mm	B	#1	95	R = 30	BCDEOG
RDBM30	30 mm	B	#2	95	R = 30	BCDEOG
RDBF30	30 mm	B	#3	95	R = 30	BCDEOG

Cyclone Full Bull Router Bit



Item #	Size	Shape	Pos #	Outer Diameter	Radius	Bearing #
RFBC20	20 mm	V	#1	65	R = 10	BCFBUL
RFBM20	20 mm	V	#2	65	R = 10	BCFBUL
RFBC30	30 mm	V	#1	70	R = 15	BCFBUL
RFBM30	30 mm	V	#2	70	R = 15	BCFBUL
RFBC40	40 mm	V	#1	75	R = 20	BCFB40
RFBM40	40 mm	V	#2	75	R = 20	BCFB40

Cyclone Ogee Router Bit



Item #	Size	Shape	Pos #	Outer Diameter	Radius	Bearing #
ROGC20	20 mm	F	#1	75	R = 20	BCDEOG
ROGM20	20 mm	F	#2	75	R = 20	BCDEOG
ROGC25	25 mm	F	#1	85	R = 25	BCDEOG
ROGM25	25 mm	F	#2	85	R = 25	BCDEOG
ROGC30	30 mm	F	#1	95	R = 30	BCDEOG
ROGM30	30 mm	F	#2	95	R = 30	BCDEOG

Cyclone Breaker Bit



- For use on 2 cm - 4 cm material
- Ultra-aggressive segmented diamond "breaks" the edge of the hardest granite to extend the life of your sintered profiles
- Max RPM 6,000

Cyclone Bevel Router Bit



Item	Size	Shape	Pos #	Outer Diameter	Length	Bearing #
RBVZ20	20 mm	E	0	65	L1 = 20, L2 = 5	BCDEOG
RBVC20	20 mm	E	1	65	L1 = 20, L2 = 5	BCDEOG
RBVC25	25 mm	E	1	75	L1 = 30, L2 = 5	BCDEOG

Tools



Material:

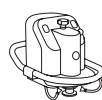


Item #	Size	Description	Bearing
RDBB	30 mm - 50 mm	Double bevel breaker bit	BCDEOG

GRINDERS/SHAPERS

Hurricane Router Bit Series

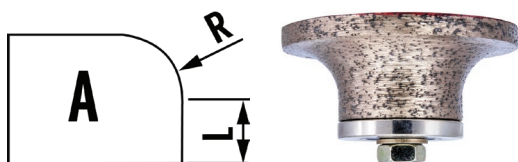
Tools



Material:

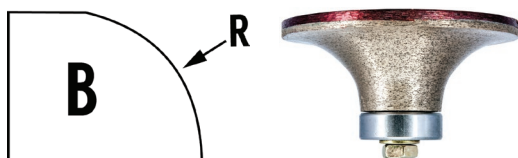


Hurricane Half Bull Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius/Length	Bearing #
RHHB20Z	20 mm	A	0	65	R = 10, L = 10	BHHALF
RHHB20C	20 mm	A	1	65	R = 10, L = 10	BHHALF
RHHB30Z	30 mm	A	0	75	R = 15, L = 15	BHHALF
RHHB30C	30 mm	A	1	75	R = 15, L = 15	BHHALF
RHHB30M	30 mm	A	2	75	R = 15, L = 15	BHHALF
RHHB30F	30 mm	A	3	75	R = 15, L = 15	BHHALF

Hurricane Demi Bull Router



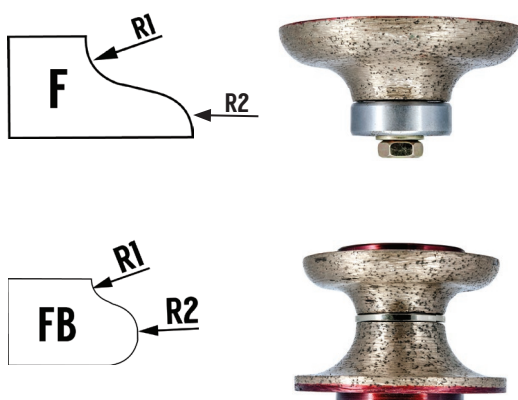
Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHDB20Z	20 mm	B	0	85	R = 20	BHDEOG
RHDB20C	20 mm	B	1	85	R = 20	BHDEOG
RHDB20M	20 mm	B	2	85	R = 20	BHDEOG
RHDB20F	20 mm	B	3	85	R = 20	BHDEOG
RHDB30Z	30 mm	B	0	105	R = 30	BHDEOG
RHDB30C	30 mm	B	1	105	R = 30	BHDEOG
RHDB30F	30 mm	B	3	105	R = 30	BHDEOG

Hurricane Bevel Router



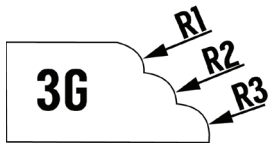
Item #	Size	Shape	Pos.	Outer Diameter	Length	Bearing #
RHBV20Z	20 mm	E	0	75	L = 28, L2 = 1	BHDEOG
RHBV20C	20 mm	E	1	75	L = 28, L2 = 1	BHDEOG
RHBV25C	25 mm	E	1	85	L = 35, L2 = 2	BHDEOG
RHBV30Z	30 mm	E	0	90	L = 40, L2 = 3	BHDEOG
RHBV30M	30 mm	E	2	90	L = 40, L2 = 3	BHDEOG

Hurricane Ogee Router



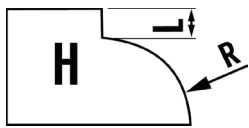
Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHOG20Z	20 mm	F	0	80	R1 = R2 = 10	BHDEOG
RHOG20C	20 mm	F	1	80	R1 = R2 = 10	BHDEOG
RHOG20M	20 mm	F	2	80	R1 = R2 = 10	BHDEOG
RHOG20F	20 mm	F	3	80	R1 = R2 = 10	BHDEOG
RHOG25Z	25 mm	F	0	90	R1 = R2 = 12.5	BHDEOG
RHOG25C	25 mm	F	1	90	R1 = R2 = 12.5	BHDEOG
RHOG25M	25 mm	F	2	90	R1 = R2 = 12.5	BHDEOG
RHOG30Z	30 mm	F	0	90	R1 = R2 = 16.5	BHDEOG
RHOG30C	30 mm	F	1	90	R1 = R2 = 16.5	BHDEOG
RHOG30M	30 mm	F	2	90	R1 = R2 = 16.5	BHDEOG
RHOG30F	30 mm	F	3	90	R1 = R2 = 16.5	BHDEOG
RHOB40C	40 mm	FB	1	90	R1 = 12, R2 = 16	BHFHUL

Hurricane Waterfall Router



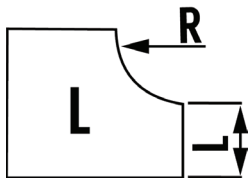
Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHWF30Z	30 mm	3G	0	100	R = R2 = R3 = 10	BHHALF
RHWF30C	30 mm	3G	1	100	R = R2 = R3 = 10	BHHALF
RHWF30M	30 mm	3G	2	100	R = R2 = R3 = 10	BHHALF
RHWF30F	30 mm	3G	3	100	R = R2 = R3 = 10	BHHALF

Hurricane Dupont Router



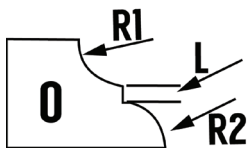
Item #	Size	Shape	Pos.	Outer Diameter	Radius/Length	Bearing #
RHH20Z	20 mm	H	0	70	R = 15, L = 5	BHDEOG
RHH20C	20 mm	H	1	70	R = 15, L = 5	BHDEOG
RHH30Z	20 mm	H	0	70	R = 15, L = 5	BHDEOG
RHH30C	30 mm	H	1	70	R = 15, L = 5	BHDEOG

Hurricane Cove Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius/Length	Bearing #
RHC20C	20 mm	L	1	60	R = 10, L = 10	BHB001
RHC20F	20 mm	L	3	60	R = 10, L = 10	BHB001

Hurricane Cove Dupont Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius/Length	Bearing #
RHCD20Z	20 mm	O	0	79	R1 = R2 = 8.5, L = 3	BHDEOG
RHCD30Z	30 mm	O	0	90	R1 = R2 = 12, L = 6	BHDEOG
RHCD30F	30 mm	O	3	90	R1 = R2 = 12, L = 6	BHDEOG

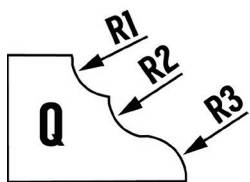
Hurricane Pencil Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHPEN30C	30 mm	PE	1	50	R = 28	BHB002
RHPEN30M	30 mm	PE	2	50	R = 28	BHB002
RHPEN40C	40 mm	PE	1	55	R = 35	BHB002
RHPEN40M	40 mm	PE	2	55	R = 35	BHB002

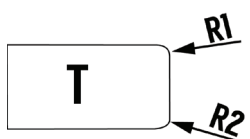
GRINDERS/SHAPERS

Hurricane Cove/Ogee Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHCO30Z	30 mm	Q	0	100	R1 = R2 = R3 = 11.5	BHDEOG
RHCO30C	30 mm	Q	1	100	R1 = R2 = R3 = 11.5	BHDEOG
RHCO30F	30 mm	Q	3	100	R1 = R2 = R3 = 11.5	BHDEOG

Hurricane Double Eased Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHDE20Z	20 mm	T	0	50	R1 = R2 = 5	BHB004

Hurricane Full Bull Router



Item #	Size	Shape	Pos.	Outer Diameter	Radius	Bearing #
RHFB20C	20 mm	V	1	60	R = 10	RHFBUL
RHFB20F	20 mm	V	3	60	R = 10	RHFBUL
RHFB30Z	30 mm	V	0	65	R = 15	RHFBUL
RHFB30C	30 mm	V	1	65	R = 15	RHFBUL
RHFB30M	30 mm	V	2	65	R = 15	RHFBUL
RHFB30F	30 mm	V	3	65	R = 15	RHFBUL
RHFB40Z	40 mm	V	0	80	R = 20	RHFBUL
RHFB40C	40 mm	V	1	80	R = 20	RHFBUL
RHFB40M	40 mm	V	2	80	R = 20	RHFBUL
RHFB40F	40 mm	V	3	80	R = 20	RHFBUL
RHFB60Z	60 mm	V	0	95	R = 30	RHFBUL
RHFB60C	60 mm	V	1	95	R = 30	RHFBUL

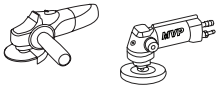


Cyclone Diamond Cluster Grinding Wheel



- First lightweight grinding wheel for pneumatic tools
- Diamond cluster points rip away epoxy and fiberglass backing
- Great for removing resin polish to prepare slab for honing and can be used effectively for fast edge shaping
- Can be used Wet or Dry

Tools



Material:



Item #	Size	Body	Grit	Fitting	RPM
SCRG4	4"	Fiberglass	Medium 50	5/8" - 11	15,300
SCRG5	5"	Fiberglass	Medium 50	5/8" - 11	12,200
SCRG5C	5"	Fiberglass	Coarse 30	5/8" - 11	12,200
SCRG5F	5"	Fiberglass	Fine 100	5/8" - 11	12,200
SCRG6	6"	Fiberglass	Medium 50	5/8" - 11	10,000
SCRG7	7"	Fiberglass	Medium 50	5/8" - 11	5,500
SCRG5MB	5"	Steel	Medium 50	5/8" - 11	12,200
SCRG6MB	6"	Steel	Medium 50	5/8" - 11	10,000
SCRG7MB	7"	Steel	Medium 50	5/8" - 11	5,500

Cyclone PCD (polycrystalline diamond) Wheel



PCD grinding wheels are designed for aggressive removal of hard and tacky surfaces such as:

- Urethane epoxy
- Waterproofing membrane
- Pool deck coating
- Thick mastic
- Paint
- VCT/carpet glues

Tools



Material:



Item #	Size	Body	Grit
CPCDM5	5"	Steel	Medium 50/60
CPCDM7	7"	Steel	Medium 50/60





CNC TOOLING

YOU KNOW THE DRILL

The iconic Cyclone and Hurricane brands speak for themselves, offering faster cuts and precise slab drills.

KEY FEATURES



Wide range of sizes and lengths available



First finger bits to come with a bottom segment



Get 700 holes from the Cyclone S CNC core bit



Extra strong welds lock segments into place

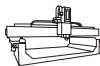


Cyclone Z Wheel

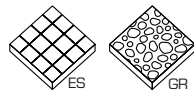


- Available in both 60 mm and 80 mm diameters
- Ultra-aggressive design for fast work at minimal spindle load
- Extends the life of the first position of profile bits

Tools



Material:

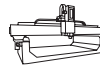


Cyclone S CNC Core Bit

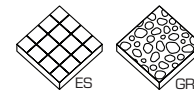


- Designed with a very fine diamond
- Gives you clean, fast holes every time
- Thin continuous rim segment

Tools



Material:



Item #	Diameter	Fitting	Segment	Feed rate	Max RPM
CNCZW3560	60 mm x 45 mm	35 mm bore	15	110 IPM at 5 mm per pass	6,000
CNCZW3580	80 mm x 45 mm	35 mm bore	21		6,000

Item #	Size	Fitting	Usable Length	Max RPM
CDBHTW114	1 1/4"	1/2 gas male	2 1/2"	1,250
CDBHTW138	1 3/8"	1/2 gas male	2 1/2"	1,250
CDBHTW112	1 1/2"	1/2 gas male	2 1/2"	1,250

Cyclone S CNC Core Bit Parameters

RPM	Feed rate
1,250	1" - 2" / minute



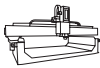
CNC TOOLING

Super Cyclone High-Speed Finger Bit

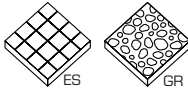


- The Super Cyclone Seven Segment Finger Bit has a smaller diameter designed to cut even faster
- Bottom segment enables drilling into slab like a core bit

Tools



Material:



Item #	Segment Size	Segment	Fitting	Max RPM
FBSHS158	1 5/8" x 22 mm segment length 40 mm	7 with bottom	1/2 gas male	4,500 - 6,000
FB158TS	1 5/8" x 22 mm segment length 40 mm	8 twin	1/2 gas male	4,500 - 6,000
FBSHS200	2" x 22 mm segment length 50 mm	7 with bottom	1/2 gas male	4,500 - 6,000

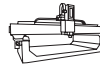
HIGH-SPEED Parameters	
RPM	Feed rate
5,500	20" / minute
5,000	15" / minute
4,500	12" / minute

Cyclone Finger Bit

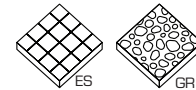


- Bottom segment gives the CNC operator the option of drilling into the slab
- The 6 segment finger bit has the first ever reverse apple core design which is thicker in the middle

Tools



Material:



Item #	Segment Size	Segment	Fitting	Max RPM
FB158	1 5/8" x 22 mm segment length 40 mm	6 with bottom	1/2 gas male	4,500 - 5,000
FB1212	2 1/2" x 22 mm segment length 65 mm	5 with bottom	1/2 gas male	4,500 - 5,000
FBRT158	Reverse-thread 1 5/8" x 22 mm segment length 40 mm	6 with bottom	1/2 gas male	4,500 - 5,000

6 Segment Parameters	
RPM	Feed rate
5,500	12" / minute
5,000	10" / minute
4,500	8" / minute

Cyclone High Speed Twin Segment



Cyclone High Speed 7 Segment

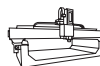


Cyclone CNC Core Bit

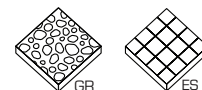


- T-segment design with new diamond technology increases life and minimizes segment loss
- Designed with slot-openings on each side which prevents blow-outs
- Feed Rate: 30 mm slab/2 IPM

Tools



Material:



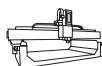
Item #	Size	Fitting	Usable Length	Max RPM
CDBYH114	1 1/4"	1/2 gas male	3"	2,300
CDBYH138	1 3/8"	1/2 gas male	3"	2,300
CDBYH112	1 1/2"	1/2 gas male	3"	2,300

Cyclone CNC Calibrating Wheel

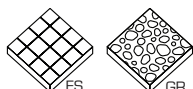


- CNC Calibration Wheels prepare the slab by reducing the thickness
- Approximate Recommended Feed Rate is .87" to 1.75" per minute

Tools



Material:

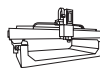


Item #	Size	Fitting	Segments	Max RPM
CGW025	4"	50 mm, 3+3 holes	25	4,000 - 5,000
CGW032	4"	50 mm, 3+3 holes	32	4,000 - 5,000

Cyclone Incremental Bit & Mandrel

- For use on sink cut-out machines
- Super Cyclone screw on tip is taller and lasts longer for more cutouts with less glazing issues
- Reverse thread options available

Tools



Material:

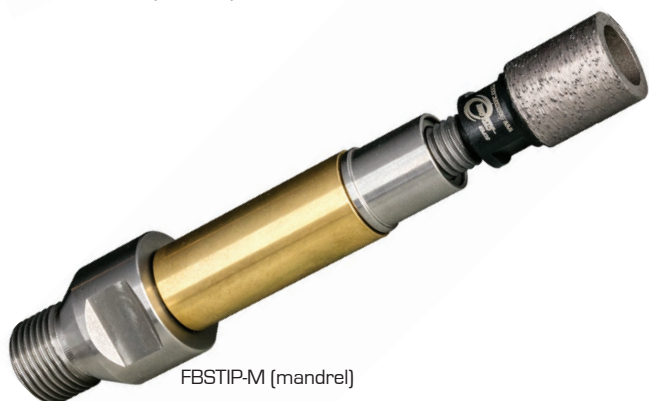


Item #	Size	Fitting	Usable Length	Bond	RPM	Feed Rate
FBSTIP	20 mm	M12	20 mm	Medium	4,000	30 - 40 IPM
FBSTIP-S	20 mm	M12	22 mm	Soft	4,000	30 - 40 IPM
FBSTIP-T	20 mm	M12	15 mm	Medium	4,000	30 - 40 IPM
FBSTIP-RT	20 mm	M12 Reverse thread	22 mm	Medium	5,500	30 - 40 IPM

Item #	Description	Shaft Length	Fitting
FBSTIP-M	Cyclone mandrel with sleeve	70 mm	M12 female - 1/2 gas male
FBSM-RT	Super Cyclone mandrel reverse thread	70 mm	M12 female - 1/2 gas male
FBSM-RT25	Super Cyclone mandrel with reverse thread (short)	25 mm	M12 female - 1/2 gas male



FBSM-RT25 (mandrel)



FBSTIP-M (mandrel)



FBSTIP



FBSTIP-S



FBSTIP-T



FBSTIP-RT



AUTO MACHINE TOOLING

POLISH WITH AN EDGE

Straight or bull-nosed, these auto-edge tools deliver a range of performance for a superior smooth finish every time

KEY FEATURES



Cyclone S final two steps are white for polishing Quartz



Field tested for a minimum of 3,500 linear feet of polishing



Specs for every machine included with wheels with Cyclone S



Honeycomb design traps water for extra life & high polish on Cyclone Straight Wheels

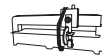




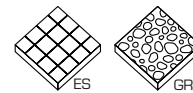
Cyclone Snail Lock System

- Fits most auto-edge profile machines with new formula which ensures even wear and longer life
- Best for bull nose shaping & polishing
- Copper bonded position 3 option ensures longer life compared to standard resin
- For RPM please consult your machine technical specs

Tools



Material:



Item #	Size	Pos.	Bond	Fitting	Working Parameter
CCWSL41	4"	1	Metal	Snail lock	90 - 100 PSI
CCWSL42	4"	2	Metal	Snail lock	90 - 100 PSI
CWSLP3	4"	3	Resin	Velcro back	30 - 35 PSI
CWSLP3C	4"	3	Copper	Velcro back	30 - 35 PSI
CWSLP4	4"	4	Resin	Velcro back	30 - 35 PSI
CWSLP5	4"	5	Resin	Velcro back	30 - 35 PSI
CWSLP6	4"	6	Resin	Velcro back	30 - 35 PSI

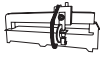
AUTO MACHINE TOOLING

Cyclone S Hybrid Wheels



- Designed for straight & bull nose edges
- For use on all multi-head in-line polishing machines
- Longest lasting Cyclone wheels
- 5 mm thick

Tools



Material:



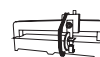
Grit	5"	6"	Fitting	RPM
60	SCHW50060	SCHW60060	Snail lock	Reference your machine specifications
100	SCHW50120	SCHW60120	Snail lock	
200	SCHW50220	SCHW60220	Snail lock	
400	SCHW50400	SCHW60400	Snail lock	
800	SCHW50800	SCHW60800	Snail lock	
1,800	SCHW51800	SCHW61800	Snail lock	
3,500	SCHW53500	SCHW63500	Snail lock	

Cyclone S Straight Edge Wheels



- Designed for straight edges
- For use on all multi-head in-line polishing machines and back-splash polishing machines
- Longest lasting Cyclone wheels
- 5 mm thick

Tools



Material:



Grit	5"	6"	Fitting	RPM
60	SCEW50060	SCEW60060	Snail lock	Reference your machine specifications
100	SCEW50120	SCEW60120	Snail lock	
200	SCEW50220	SCEW60220	Snail lock	
400	SCEW50400	SCEW60400	Snail lock	
800	SCEW50800	SCEW60800	Snail lock	
1,800	SCEW51800	SCEW61800	Snail lock	
3,500	SCEW53500	SCEW63500	Snail lock	



Cyclone S Wheels Suggested Parameters

BRETON EASYEDGE V 7S	BRETON PLATINUM EDGE V 7S
<i>STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>
Cyclone S Straight Edge	Cyclone S Hybrid Straight & Profile Edge
Grits: 60, 120, 220, 400, 800, 1800, 3500	Grits: 60, 120, 220, 400, 800, 1800, 3500
Pressure: 1.75 – 2 BAR	Pressure: 1.75 – 2 BAR
Speed: 35-45 CM/MIN	Speed: 35-40 CM/MIN

COMANDULLI OMEGA 60	COMANDULLI OMEGA 100	COMANDULLI PENTA	COMANDULLI SYNTHESIS
<i>BULLNOSE & STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>	<i>STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>
Cyclone S Hybrid Straight & Profile Edge	Cyclone S Hybrid Straight & Profile Edge	Cyclone S Straight Edge	Cyclone S Hybrid Straight & Profile Edge
Grits: 120, 220, 400, 800, 1800, 3500	Grits: 60, 120, 220, 400, 800, 1800, 3500	Grits: 220, 400, 800, 1800, 3500	Grits: 60, 120, 220, 400, 800, 1800, 3500
Pressure: 2.5 – 3.0 BAR	Pressure: 2.5 – 3.0 BAR	Pressure: 2.6 – 3.0 BAR	Pressure: 2.5 – 3.0 BAR
Speed: 20-25 CM/MIN	Speed: 25-35 CM/MIN	Speed: 30-35 CM/MIN	Speed: 25-35 CM/MIN

MARMO MECCANICA LCT521	MARMO MECCANICA LCT522	MARMO MECCANICA LCV711	MARMO MECCANICA LTV
<i>BULLNOSE & STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>	<i>STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>
Cyclone S Hybrid Straight & Profile Edge	Cyclone S Hybrid Straight & Profile Edge	Cyclone S Straight Edge	Cyclone S Hybrid Straight & Profile Edge
Grits: 120, 220, 400, 800, 1800	Grits: 120, 220, 400, 600, 800, 1800, 3500	Grits: 120, 220, 400, 600, 800, 1800, 3500	Grits: 120, 220, 400, 600, 800, 1800, 3500
Pressure: 2.5 – 3.0 BAR	Pressure: 2.6 – 2.8 BAR	Pressure: 2.6 – 3.0 BAR	Pressure: 2.6 – 2.8 BAR
Speed: 35-45 CM/MIN	Speed: 20-25 CM/MIN	Speed: 30-40 CM/MIN	Speed: 20-25 CM/MIN

PARK INDUSTRIES FASTBACK	PARK INDUSTRIES VELOCITY	
<i>STRAIGHT EDGE</i>	<i>BULLNOSE AND STRAIGHT EDGE</i>	Speed Control: 18%
Cyclone S Straight Edge	Cyclone S Hybrid Straight & Profile Edge	Miter Speed: 98 Degrees/sec
Grits: 60, 120, 220, 400, 800, 1800, 3500	Grits: 120, 220, 400, 800, 1800, 3500	Speed Control: 70%
Pressure: 45 – 50 PSI	Pressure: 36 – 40 PSI	Active Size: 1.625"
Speed: 13-17"/MIN	Speed: 9.8"/MIN	Hold down Pressure: 55 Psi

MONTRESOR LARA 60	MONTRESOR LARA 80	MONTRESOR LUNA 740, LUNA 780 and LUNA 880
<i>BULLNOSE & STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>
Cyclone S Hybrid Straight & Profile Edge	Cyclone S Hybrid Straight & Profile Edge	Cyclone S Hybrid Straight & Profile Edge
Grits: 120, 220, 400, 600, 800, 1800, 3500	Grits: 60, 120, 220, 400, 800, 1800, 3500	Grits: 120, 220, 400, 600, 800, 1800, 3500
Pressure: 2.6 – 2.8 BAR	Pressure: 2.5 – 3.0 BAR	Pressure: 2.6 – 2.8 BAR
Speed: 20-25 CM/MIN	Speed: 25-35 CM/MIN	Speed: 20-25 CM/MIN

SASSO MECCANICA FLYING BULL	SASSO MECCANICA FLYING FLAT	SASSO MECCANICA TE EXPERIENCE
<i>BULLNOSE & STRAIGHT EDGE</i>	<i>STRAIGHT EDGE</i>	<i>BULLNOSE & STRAIGHT EDGE</i>
Cyclone S Hybrid Straight & Profile Edge	Cyclone S Straight Edge	Cyclone S Hybrid Straight & Profile Edge
Grits: 120, 220, 400, 800, 1800, 3500	Grits: 60, 120, 220, 400, 800, 1800, 3500	Grits: 60, 120, 220, 400, 600, 800, 1800, 3500
Pressure: 4.0 – 4.2 BAR	Pressure: 4.0 – 4.2 BAR	Pressure: 4.0 – 4.2 BAR
Speed: 30-35 CM/MIN	Speed: 35-40 CM/MIN	Speed: 30-35 CM/MIN

AUTO MACHINE TOOLING

Cyclone Hybrid Wheels



The Cyclone Hybrid Wheel is specially designed to do edge profiling and straight edge polishing with excellent results. This will save you time from having to change disks for straight and profiling jobs.

Tools



Material:



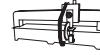
Grit	5"	6"	Fitting	Operating Parameters
50	SPEW50050	SPEW60050	Snail lock	• Start at 40-60 cm/min for granite. Find suitable speed according to stone material
100	SPEW50100	SPEW60100	Snail lock	
200	SPEW50200	SPEW60200	Snail lock	
400	SPEW50400	SPEW60400	Snail lock	
800	SPEW50800	SPEW60800	Snail lock	• 40-60 cm/in for profile polishing on engineered stone
1,500	SPEW51500	SPEW61500	Snail lock	
3,000	SPEW53000	SPEW63000	Snail lock	• Water: 50 liter/min
Black buff	SPEW5BB	SPEW6BB	Snail lock	
White buff	SPEW5BW	SPEW6BW	Snail lock	

Cyclone Straight Edge Wheels

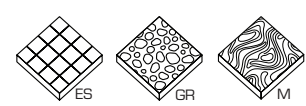


The Cyclone Straight Edge Wheels work on most automatic back-splash machines. They give an exceptional and superior smooth finish in comparison to epoxy wheels. Their long life reduces pad change downtime.

Tools



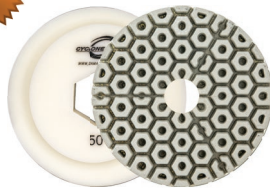
Material:



Grit	4"	5"	Fitting	Operating Parameters
50	SEW40050	SEW50050	Snail lock	• Start at 40-60 cm/min for granite. Find suitable speed according to stone material
100	SEW40100	SEW50100	Snail lock	
200	SEW40200	SEW50200	Snail lock	
400	SEW40400	SEW50400	Snail lock	
800	SEW40800	SEW50800	Snail lock	• 40-60 cm/in for profile polishing on engineered stone
1,500	SEW41500	SEW51500	Snail lock	
3,000	SEW43000	SEW53000	Snail lock	• Water: 50 liter/min
Black buff	SEW4BB	SEW5BB	Snail lock	
White buff	SEW4BW	SEW5BW	Snail lock	

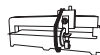
Cyclone Straight Edge Wheels

new



- Designed to be used on white and light colored materials without bleeding
- Gives an exceptional and superior smooth finish in comparison to epoxy wheels.

Tools



Material:



Grit	4"	Fitting	Operating Parameters
50	SEWR40050	Snail lock	• Start at 40-60 cm/min for granite. Find suitable speed according to stone material
100	SEWR40100	Snail lock	
200	SEWR40200	Snail lock	
400	SEWR40400	Snail lock	
800	SEWR40800	Snail lock	• 40-60 cm/in for profile polishing on engineered stone
1,500	SEWR41500	Snail lock	
3,000	SEWR43000	Snail lock	• Water: 50 liter/min
Black buff	SEWR4BB	Snail lock	

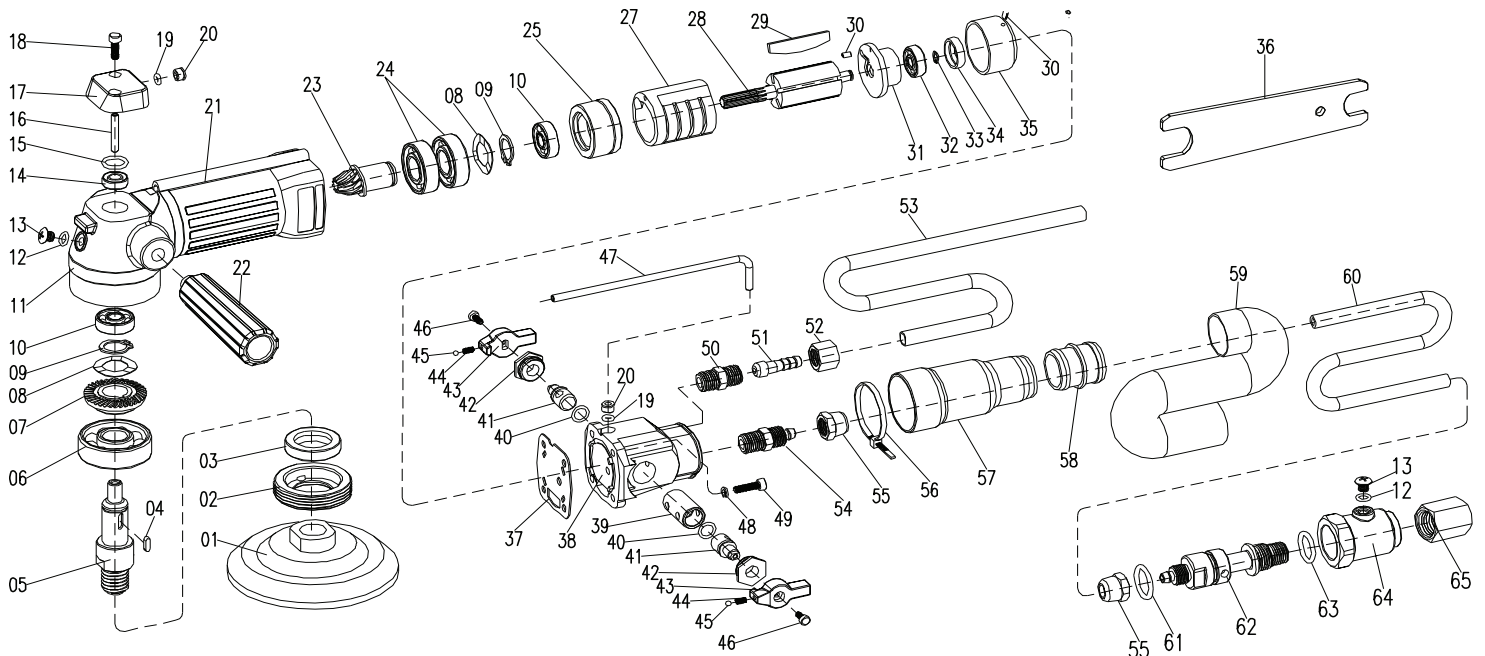


AIR POLISHER

Cyclone MVP Pneumatic Air Polisher

- First air polisher to be completely assembled by hand
- Automatic oil injection system
- Will not lose power even when pushing hard on the stone
- Recommended RPM 5,000, Max RPM 6,000
- 60 day warranty from date of purchase

Item #	Max RPM
MVP45	4,500 - 6,000



Item #	Description	Qty	Item #	Description	Qty	Item #	Description	Qty	Item #	Description	Qty
MVPACC01	Cyclone backer	1	MVPACC19	Q - ring	2	MVPACC37	Body Packing	1	MVPACC55	Nut	2
MVPACC02	Tighten nut	1	MVPACC20	Pipe bush	2	MVPACC38	End Case	1	MVPACC56	Clamp	1
MVPACC03	Oil seal	1	MVPACC21	Body cover	1	MVPACC39	Valve Bush	1	MVPACC57	Exhaust cover	1
MVPACC04	Key	1	MVPACC22	Grip (optional)	1	MVPACC40	Q-Ring	2	MVPACC58	Connector	1
MVPACC05	Gear shaft	1	MVPACC23	Spiral bevel pinion	1	MVPACC41	Valve [air/water]	2	MVPACC59	Exhaust pipe	1
MVPACC06	Bearing	1	MVPACC24	Bearing	2	MVPACC42	Nut	2	MVPACC60	Air pipe	1
MVPACC07	Bevel gear	1	MVPACC25	Front bearing case with end plate	1	MVPACC43	Valve Lever	2	MVPACC61	Q - ring	1
MVPACC08	Wave washer	2				MVPACC44	Spring	2	MVPACC62	Lubricator core	1
MVPACC09	Snap ring	2	MVPACC27	Cylinder	1	MVPACC45	Ball Bearing	2	MVPACC63	Q - ring	1
MVPACC10	Bearing	2	MVPACC28	Rotor	1	MVPACC46	Screw [M3x8]	2	MVPACC64	Lube shell	1
MVPACC11	Motor housing	1	MVPACC29	Vane [5 per MVP]	5	MVPACC47	Water Pipe	2	MVPACC64F	Full assembly Lube Shell 12, 13, 55, 61, 62, 63, 64	1
MVPACC12	O - ring	2	MVPACC30	Spring pin	2	MVPACC48	Washer	2			
MVPACC13	Screw [M6x5]	2	MVPACC31	Rear bearing case	1	MVPACC49	Screw [M4x16]	1	MVPACC65	Nut	1
MVPACC14	Front bearing case	1	MVPACC32	Bearing	1	MVPACC50	Water Hose Joint	4	MVPACC66	C-Handle (optional)	1
MVPACC15	Q - ring	1	MVPACC33	Retaining ring	1	MVPACC51	Water Hose Nipple	4	MVPACC70	Full assembly bearing case (include 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 & 35)	1
MVPACC16	Inner pipe	1	MVPACC34	Bearing cap	1	MVPACC52	Nut	1			
MVPACC17	Pipe joint assembly	1	MVPACC35	Air Inlet Case	1	MVPACC53	Water hose	1			
MVPACC18	Screw [M4x12]	2	MVPACC36	Wrench	1	MVPACC54	Air hose joining	1			

ULTRA-COMPACT TILE, & GLASS

CUT WITH CLARITY

More products to cut and core the hardest of porcelain tiles and glass with chip-free precision and speed.

KEY FEATURES



Innovative tools
for your tile needs



Cyclone mesh
turbo never gets
hot when dry
cutting



First ever dry
porcelain drill bit



ULTRA-COMPACT, TILE, & GLASS

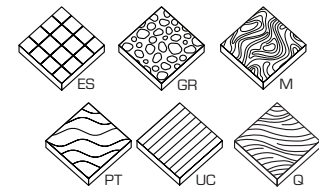
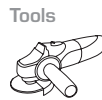


Cyclone Ultra Mesh Turbo Blade

- The Cyclone Ultra Mesh Turbo blade is designed to cut Ultra Compact surfaces at a fast speed with minimal chipping
- Ultra thin rim assures a fast clean cut
- Turbo mesh design allows for optimal cooling
- Center hub reinforcement keeps the blade cutting straight



Material:



Item #	Size	Arbor	Max RPM
CUTB40	4"	Arbor 7/8" + 20 mm + 5/8"	13,200
CUTB45	4 1/2"	Arbor 7/8" + 20 mm + 5/8"	13,200
CUTB50	5"	Arbor 7/8" + 20 mm + 5/8"	12,200
CUTB60	6"	Arbor 7/8" + 20 mm + 5/8"	10,000
CUTB70	7"	Arbor 5/8" + DKO	8,600
CUTB10	10"	Arbor 1" + 5/8" + 7/8"	6,100

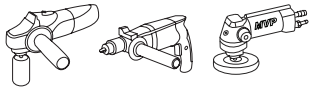
ULTRA-COMPACT, TILE & GLASS

Cyclone Ultra Core Bit

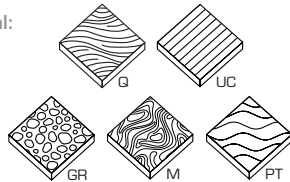


- Specific grit & bond composition provides a fast clean hole through porcelain & other ultra compact material
- Featuring thin beveled segments for ease of entry into material
- Shortened overall length for added controllability
- Wet or dry use

Tools



Material:



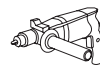
Item #	Size	Fitting	Usable Length	Max RPM
CUDB114	1-1/4"	5/8" - 11 thread	2 1/4"	5,000
CUDB138	1 3/8"	5/8" - 11 thread	2 1/4"	5,000
CUDB112	1 1/2"	5/8" - 11 thread	2 1/4"	5,000
CUDB200	2 1/2"	5/8" - 11 thread	2 1/4"	5,000

Cyclone Porcelain Tile Bit

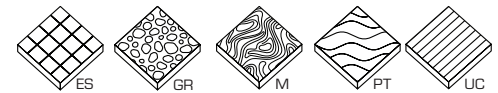


- First ever dry bit for porcelain tile
- Sintered turbo rim for faster cuts and longer life
- Comes with hexagonal chuck
- Can be used on ultra compact material with water

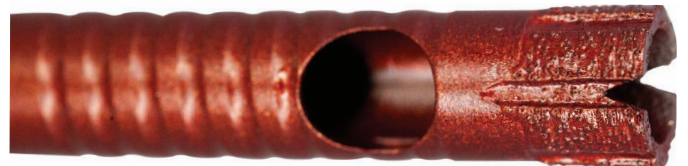
Tools



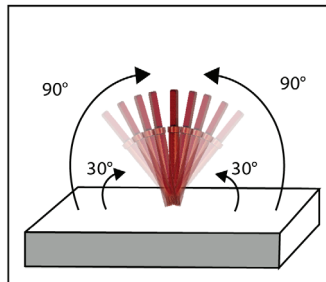
Material:



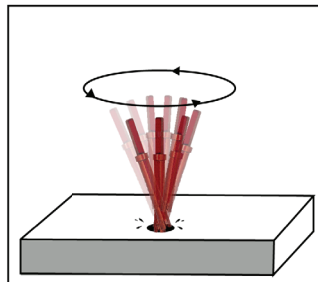
Item #	Size (mm)	Fitting	Usable Length	RPM
TDBC316	3/16" (5 mm)	Hexagonal chuck	2 1/4"	1,500 - 2000
TDBC14	1/4" (6 mm)	Hexagonal chuck	2 1/4"	1,500 - 2000
TDBC516	5/16" (8 mm)	Hexagonal chuck	2 1/4"	1,500 - 2000
TDBC38	3/8" (10 mm)	Hexagonal chuck	2 1/4"	1,500 - 2000
TDBC12	1/2" (12 mm)	Hexagonal chuck	2 1/4"	1,500 - 2000



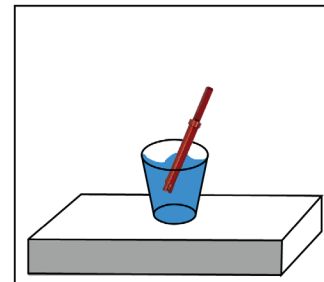
Recommended Tile Bit operating instructions:



1. Angle core bit to 30°. Begin drilling and slowly move to 90°.

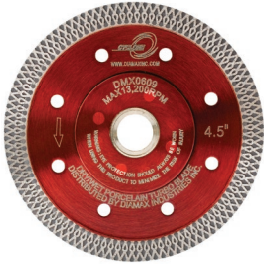


2. Oscillate core bit as you drill into the material. Keep drilling speed constant.



3. After completing hole, cool down in water and remove any material stuck in core. Do not force or overheat while in use.

Cyclone Porcelain Turbo Blade

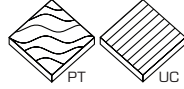


- The new mesh turbo rim minimizes heat caused by friction
- Cooler rim temperatures increase life and speed of your cut
- New diamond bond makes this the best continuous rim ever
- 60 mm to 1" arbor reducer bushings are available for larger blades

Tools:



Material:



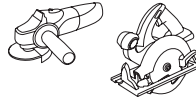
Item #	Size	Arbor	RPM
TBP40	4"	5/8" - 7/8" - 20 mm	13,200
TBP45	4.5"	5/8" - 7/8" - 20 mm	13,200
TBP50	5"	5/8" - 7/8" - 20 mm	12,200
TBP60	6"	5/8" - 7/8" - 20 mm	10,000
TBP70	7"	5/8" - DKO	8,600
TBP7Q	7"	5/8" - 7/8" - 20 mm	8,600
TBP100	10"	5/8" - 7/8" - 1"	6,100
TBP1260	12"	50/60 mm	6,300
TBP1460	14"	50/60 mm	5,400
TBP1660	16"	50/60 mm	4,800

Cyclone Continuous Rim Blade



- Most versatile blade that cuts granite, marble, porcelain, and ceramic tile
- Also used widely in counter top fabrication for granite, engineered stone and marble
- Ideal for cleaning seams and preparing material for miter joints
- Slotted for more aggressive cutting with minimal chipping

Tools:



Material:



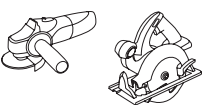
Item #	Size	Arbor	RPM
CSR040	4"	5/8" - 7/8" - 20 mm	15,300
CSR045	4.5"	5/8" - 7/8" - 20 mm	13,200
CSR050	5"	5/8" - 7/8" - 20 mm	12,200
CSR060	6"	5/8" - 7/8" - 20 mm	10,000
CSR070	7"	5/8" - DKO	8,600
CSR080	8"	5/8" - 7/8" - 20 mm	7,500
CSR100	10"	5/8" - 7/8" - 1"	6,100
CSR120	12"	5/8" - 7/8" - 1"	6,300
CSR140	14"	5/8" - 7/8" - 1"	5,400

Cyclone Continuous Rim Glass Blade

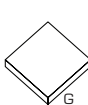


- Diamond bond specifically made for glass tile
- For clean and precise cuts in glass
- Cuts glass and white backing chip-free
- For wet cuts only

Tools:

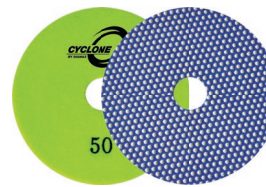


Material:



Item #	Size	Arbor	RPM
CRGB045	4.5"	5/8" - 7/8"	13,300
CRGB07	7"	5/8" - DKO	8,500
CRGB10	10"	5/8" - 7/8" - 1"	6,100

Cyclone Electroplated Pad

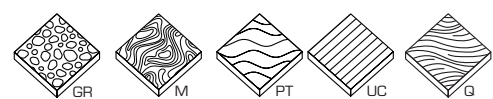


- Electroplated diamonds on thin pad provides excellent flexibility
- Last about 150 times longer than general sandpaper
- Excellent option for honing
- Wet use only

Tools:



Material:



Item #	Size	Grit	Bond	Max RPM
PDE450	4"	50	Electroplated	3,000
PDE4100	4"	100	Electroplated	3,000
PDE4200	4"	200	Electroplated	3,000
PDE4400	4"	400	Electroplated	3,000
PDE4800	4"	800	Resin	3,000
PDE41500	4"	1500	Resin	3,000
PDE43000	4"	3000	Resin	3,000

ACCESSORIES

Cyclone Backer Pads



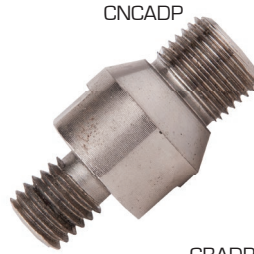
- Backer pads are available in 3", 4" and 5"
- Choose from soft or hard rubber, ultra thin or hard plastic
- New aluminum backer now available in 4"

Tools



Item #	Size	Body	Description	Fitting
BP30	3"	Soft rubber	Velcro backer pad	5/8" - 11
BPR30	3"	Firm rubber	Velcro backer pad	5/8" - 11
BPC40	4"	Soft rubber	Velcro backer pad	5/8" - 11
BPR40	4"	Firm rubber	Velcro backer pad	5/8" - 11
BPP40	4"	Hard plastic	Velcro backer pad	5/8" - 11
BPT40	4"	Soft rubber	Velcro backer pad	5/8" - 11
BPA40	4"	Aluminum	Velcro backer pad	5/8" - 11
BP50	5"	Soft rubber	Velcro backer pad	5/8" - 11
BPR50	5"	Firm rubber	Velcro backer pad	5/8" - 11
BPSL40T	4"	Hard plastic	Velcro backer pad	Snail lock

Adapters



We carry a wide range of adapters. These are our most common. If you require something special please contact us.



Item #	Description
BA4H	4 hole adapter for blade with 5/8" - 11 female thread
CBADPTR	1/2" shaft to 5/8" - 11 male thread
CNCADP	5/8" - 11 male to 1/2" gas CNC male adapter

Apron



- Waterproof design
- Vinyl material
- One size only

Item #	Description
APRON	Cyclone waterproof apron



TROUBLESHOOTING

BLADE TROUBLESHOOTING:

Blade worn out of round Cause: Shaft bearings are worn / Blade arbor is damaged from previous improper mounting
Remedy: Install new blade shaft as required / Replace worn shaft or mount an arbor reducer

Blade will not cut Cause: The bond is too hard for the material being cut / Blade has become dull (glazed) as a result of being used on too hard of a material / Machine has insufficient horsepower / Cutting is slow
Remedy: Use a blade with a softer bond / Glazed blades can be re-opened by cutting a soft, abrasive material such as concrete / Change to a lower horsepower blade

Uneven Segment Wear Cause: Insufficient water (usually on one side of the blade) / Equipment defects cause the segments to wear unevenly / Saw is improperly aligned
Remedy: Flush out water system and check flow and distribution to both sides of the blade / Replace bad bearings, worn arbor or misalignment to the spindle / Check saw head aligned for squareness both vertically and horizontally

Arbor hole out of round Cause: Blade collar is not tightened, allowing blade rotation or vibration of shaft / Blade collar is not tightened, allowing blade cramping / Blade is not properly mounted
Remedy: Tighten the shaft nut with your wrench to make certain the blade is adequately secured / Clean blade collars, making certain they are not worn / Make sure the blade is mounted on the proper shaft diameter before tightening the shaft nut

Segment cracks Cause: The bond is too hard for the material being cut
Remedy: Use a blade with a softer bond

Blade wobbles Cause: Blade is running at improper speed / Blade collar diameters are not identical / Blade is bent as a result of dropping or twisting
Remedy: Make certain the blade shaft is running at the recommended RPM to match tensioned speed of the blade / Check blade collars to make sure they are clean, flat, and the correct diameter / Get a new blade or have the blade re-tensioned

Segment loss Cause: Overheating due to lack of water / Steel center is worn from undercutting / Defective blade collars are causing improper blade alignment / Bond is too hard for material being cut / Blade is cutting out of round, causing a pounding motion improper blade tension
Remedy: Check water feed lines and make sure water flow is adequate on both sides / Use sufficient water to flush out the cut / Clean blade collars or replace / Use a blade with a softer bond / Replace worn bearing / Ensure blade is running at a correct RPM and that the blade is tensioned for correct RPM

Cracks in Steel Center Cause: Blade flutters during cutting as a result of losing tension / Blade specification is too hard for the material being cut / Bad blade shaft bearing / Steel center has been overheating as a result of blade spinning on arbor
Remedy: Tighten the shaft nut and have the blade re-tensioned / Use softer bond to eliminate stress which created cracks / Replace bad shaft bearing / Check water flow, distribution and lines, and make sure to tighten blade shaft nut

Loss of tension Cause: Steel center has been overheating from rubbing the side of the material being cut / Unequal pressure at the blade clamping collars / Bond is too hard for material being cut
Remedy: Make certain the blade RPM is correct so the blade operates at its tensioned speed / Blade clamping collars must be identical in diameter and the recommended size / Use a blade with a softer bond

DRY POLISHING DISK TROUBLESHOOTING

Dryflex-5: Disk has short life during polishing Cause: RPMs are too high
Remedy: Polish wet or dry at constant 4000 RPM

Disk burns the stone Cause: RPMs too high during polishing
Remedy: Polish wet or dry at constant 4000 RPM

Disk leaves a dull finish Cause: Low RPM and/or time spent polishing per step
Remedy: Polish wet/dry at 4000 RPM and/or polish with more time.

Disk is coming apart Cause: Disk is new and used to aggressively
Remedy: Polish flat edges first before complex edges

Tread comes apart Cause: Polishing over sharp corners
Remedy: Grind down or avoid polishing sharp corners

Velcro comes apart Cause: Constantly pulling disk off backer pad by tread instead of velcro
Remedy: Pull pad off backer pad by velcro

Disk is not staying fixed to backer pad Cause: Velcro on backer pad and or on disks is exhausted
Remedy: Replace with new backer pad and/or replace with new polishing disk

Dry pads excluding Dryflex-5: **Disk has short polishing life**
Cause: RPMs too high
Remedy: Polish dry at constant 2000 RPM & wet at 3000 RPM

Disk bleeds and or burns the stone Cause: RPMs too high during polishing
Remedy: Polish dry at constant 2500 RPM and wet polish at 3000 RPM
Disk comes apart Cause: Disk is new and used aggressively
Remedy: Polish flat edges first before complex edges

Tread comes apart Cause: Polishing over sharp corners
Remedy: Grind down or avoid polishing sharp corners

Disk does not polish Cause: Not enough diamond contact on stone surface
Remedy: Expose more diamonds in resin with a dressing stone

Velcro comes apart Cause: Constantly pulling disk off backer pad by tread instead of velcro
Remedy: Pull pad off backer pad by velcro

Disk is not staying fixed to backer pad Cause: Velcro on backer pad and or on disks is exhausted
Remedy: Replace with new backer pad and or replace with new polishing disk

WET POLISHING DISK TROUBLESHOOTING

Tread comes apart from Velcro Cause: Disk is new and is being used too aggressively / Polishing over sharp corners
Remedy: Polish flat edges first before complex edges / Grind down or avoid polishing sharp corners

Velcro comes apart from tread Cause: Repetitive removal of disk off backer pad by tread instead of velcro
Remedy: Pull disk off backer pad by velcro

Resin bleeds on stone surface Cause: Not enough water supply used during polishing
Remedy: Increase water disbursement out of machine

WET POLISHING DISK TROUBLESHOOTING:

Disk does not polish Cause: Not enough diamond contact on stone surface Remedy: Expose more diamond contact from resin with a dressing stone

Disk has short polish life Cause: RPMs are too high when polishing and or not enough water dispersed Remedy: Polish with consistent 3500-3000 RPMs with substantial water disbursement on stone

Disk leaves scratches on stone Cause: Polishing too fast with lower grit disks, which may leave noticeable scratches Remedy: Spend more time polishing at lower grits to effectively avoid scratching

Disk is not staying fixed to backer pad Cause: Velcro on backer pad and or on disks is exhausted Remedy: Replace with new backer pad and or replace with new polishing disk

CORE DRILL BIT TROUBLESHOOTING:

Segment Loss Cause: Core bit dropped / RPM is too high causing weld to melt and segments to detach from core / Not enough water to cool drilling process Remedy: Replace with new bit. Using a bit with a missing segment can be dangerous / Spin at recommended RPM depending on the diameter and style of bit

Bit not drilling and or "turning blue" Cause: Segments glazed over / RPM is too high / Not enough water to cool drilling process Remedy: Expose more diamond on segment with a dressing stone / Spin at a recommended RPM depending on the diameter and style of bit / Increase water while drilling / Drill into stone at an angle then keep at a consistent 90 degree angle on stone

Segments rounding Cause: Constant Boring or maneuvering grinder in excess of 90 degrees around stone Remedy Drill into stone at an angle then keep at a consistent 90 degree angle on stone

GRINDERS/SHAPERS TROUBLESHOOTING:

Cyclone V1: **Not cutting or grinding but still can see diamonds** Cause: Vacuum braised technology is a process where the diamonds are all exposed on the metal therefore what you see on the tool is all the diamond contained / Flat grinding on stone Remedy: Replace with a new V1 - diamond sharpness is used up / Replace with a new V1 and use only for edge shaping

Cyclone V2'S: **Not grinding but still can see diamonds** Cause: Vacuum braised technology is a process where the diamonds are all exposed on the metal therefore what you see on the tool is all the diamond contained / Flat grinding on stone Remedy: Replace with a new V2 because diamond sharpness is used up / Replace with a new V2 and use tool only for edge shaping and maneuver disk in a circular motion

Cyclone Stock Removal Wheels: **Uneven groove like wear in wheel** Cause: Stock removing in a constant position Remedy Osculate wheel up and down for even wear on wheel
Wheel vibrating/bouncing on stone Cause: Uneven wear on

wheel Remedy Osculate wheel up and down for even wear on wheel or reshape with a dressing stone

Wheel not removing stock aggressively Cause: Stone dust hindering the sinter Remedy: Change to coarser grit or redress tool with a dress stone

Wheel removing stock too aggressively Cause: Grit being used is too aggressive Remedy: Change to finer grit

Cyclone Zero Tolerance Wheels: **Uneven groove like wear in wheel** Cause: Stock removing in a constant position Remedy: Osculate wheel up and down for even wear on wheel

Wheel vibrating or bouncing on stone Cause: Uneven wear on wheel Remedy: Osculate up and down for even wear or reshape with a dressing stone

Wheel not removing stock aggressively Cause: Using a resin filled wheel / Segments glazed over Remedy: Change to a non-resin wheel for optimal stock removal / Expose diamond with a dressing stone

Wheel removing stock too aggressively Cause: Using a non-resin filled wheel Remedy: Change to resin-filled

Bottom segments or resin chipping Cause: Dropping of wheel on the ground Remedy: Replace with a new wheel using it can result in chipping the stone and even personal injury

Cyclone Turbo Cup Wheel: **Cup wheel not grinding or turning blue** Cause: Cup wheels spinning above the recommended RPM / Not using enough water to cool the cup wheel during the grinding process. Remedy: Expose more diamonds on the segment with a dressing stone / Spin at the recommended RPM / Increase the amount of water used during grinding

Cyclone Finger Bit: **Grooves in finger bit** Cause: Finger constantly being used in the same place Remedy: Osculate bit up & down for even wear

Finger bit wearing in the middle Cause: Finger constantly being used in the same place Remedy: Osculate bit up and down for bit to wear evenly

Finger bit breaking Cause: Bit constantly used in the same place with strong feed rate Remedy: Slow down feed rate on hard granite. You may use faster feed rate on softer granite
Melting of finger bit thread Cause: Bit not properly inserted or CNC cone defective Remedy: Replace CNC cone or thread in finger bit accurately

Cyclone Router Bits: **Router bit not shaping** Cause: RPM is too fast on stone Remedy: Spin at recommended RPM

Router bit is getting uneven grooves inside Cause: More edge prepping needed before Pos. 1 Remedy: Prep the edge of the stone with a cup wheel and/or a Pos. 0

Cyclone 6 Step Snail Lock Cup Wheels: **Not effectively doing straight edge polishing** Cause Our snail lock cup wheels are designed for beveling and bull nosing Remedy Use an appropriate tool for straight edge polishing

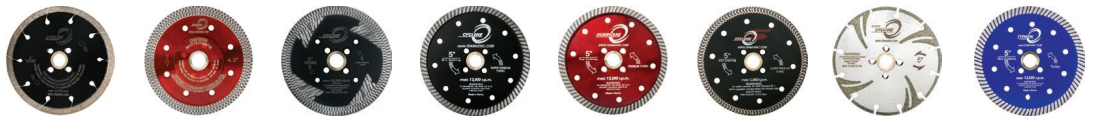
TURBO BLADES



TURBO BLADES

BEST ★★ ★
BETTER ★★
GOOD ★

MATERIALS	Cyclone Continuous Rim Blade	Cyclone Porcelain Turbo Blade	Cyclone Side Segment Turbo Blade	Cyclone Turbo Blade	Hurricane Turbo Blade	Cyclone S Arrowtek Turbo Blade	Super Cyclone Electroplated Blade	Typhoon Turbo Blade
PORCELAIN / TILE	★★★	★★★					★★	
ENGINEERED STONE	★★	★★	★★★	★★	★★	★★	★	★★
GRANITE	★★	★★	★★	★★★★	★★★★	★★★★		★★★★
QUARTZITE	★★	★★	★★	★★	★★	★★★★		★★
ULTRA-COMPACT	★★★	★★★					★★★	
GLASS	★★	★★					★★★	
MARBLE	★★★	★★					★★★	





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