



DIAMOND TOOLS

2016 CATALOG





**SOLID SAWING AND
DRILLING SOLUTIONS**

Equipment Reference Icons For Diamond Tool Applications

Specific equipment and tool icons are placed next to the diamond tools to represent the proper applications. Be sure to check that the tool or equipment you are using is operating at the proper shaft speed or R.P.M., mounting flanges are free of any debris and the proper size for the specific blade diameter. Never operate the tool or equipment without the proper guards in place.



Angle Grinders (4" - 9")

Arbors: 7/8" or 5/8" round, or 5/8"-11 threaded



Core Drills (Hand Held)

Mounting Shafts: Male 18mm, 5/8"-11 or 1 1/4"-7 threaded



Circular Saws (4" - 10")

Arbors: 5/8" round or diamond knock out (worm drive)



Hand Held Cut Off Saw (Elec.)

Arbors: 1" or 20mm round



Masonry Saws (14" - 24")

Electric and Gas
Arbors: 1" all blade sizes



Flat Saw (8 to 13 HP)

Arbors: 1" + Drive Pin Hole all blade sizes



Flat Saw (30 to 40 HP)

Arbors: 1" + Drive Pin Hole all blade sizes



Random Crack Saw

Arbors: 1" + Drive Pin Hole all blade sizes



Hand Held Drills (3/8" - 1/2")

Chucks: 3/8" or 1/2"



Core Drills (Stand Mounted)

Mounting shaft: Male 1 1/4 - 7 threaded



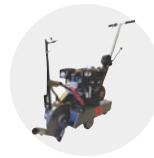
Hand Held Cut Off Saw (Gas)

Arbors: 1" or 20mm round



Tile Saws (4" - 10")

Arbors: 5/8" round



Flat Saw (Green Concrete)

Arbors: 5/8" round



Flat Saw (16 to 25 HP)

Arbors: 1" + Drive Pin Hole all blade sizes



Flat Saw (60+ HP)

Arbors: 1" + Drive Pin Hole all blade sizes



Floor Grinder

3/4" with 4 holes 3/8"-24 threaded and 4 holes 25/64" countersunk

Diamond Tools — Reference Guide

Value/Performance Icons

These icons represent overall performance, grade and value for each diamond tool. As the number of diamond icons increase, the higher the diamond content, while tool life increases and overall usage costs decrease.



Economy



Economy Plus



Standard



Premium



Premium Plus



Supreme



Professional

Cooling Method Icons

Blade and bit cooling icons are placed next to the diamond tools to represent the required methods—either water and/or ambient air—to properly cool the diamond tool during operations.



Diamond Tools classified as **“DRY/WET”** may be cooled with water or use the circular airflow of operations to diminish the build-up of heat. When operating **“DRY”**, it is best to use an intermittent cutting/drilling procedure to allow sufficient time for steel core barrel cooling.



Diamond Tools classified as **“WET”** must be used with water to reduce the extreme heat that builds up during operations. Water also reduces the dust signature and helps remove residue. Operating a **WET** product without water may cause diamond tool damage and create a safety hazard. A continuous flow of fresh water is critical to safe, effective operations.



Diamond Tools classified as **“DRY Cut”** are specifically engineered to operate with the circular airflow as the sole agent for cooling the core/barrel. Water may be used to help cool and control dust.



Diamond Tools classified as **“DRY Drill”** are specifically engineered to operate with the circular airflow as the sole agent for cooling the core bit barrel. Their optimum performance is generally characterized by not using water, but minimal water may be introduced to help cool and control dust during drilling operations.

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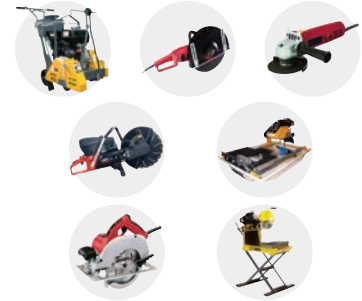
Dry/Wet Cutting Segmented Diamond Blades

GES — General Purpose — Economy



Quality performance, value priced for cured concrete and medium hard masonry

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4GES	4" x .080	5/8"-7/8"	\$12	10GESMP	10" x .100	5/8"-DK	\$175
4GESMP	4" x .080	5/8"-7/8"	\$42	12GES	12" x .125	1"-20mm	\$85
45GES	4.5" x .080	5/8"-7/8"	\$14	12GESM	12" x .125	20mm	\$85
45GESMP	4.5" x .080	5/8"-7/8"	\$64	12GESMP	12" x .125	1"-20mm	\$370
5GES	5" x .080	5/8"-7/8"	\$18	12GESMMP	12" x .125	20mm	\$370
6GES	6" x .095	5/8"-7/8"	\$23	14GES	14" x .125	1"-20mm	\$99
7GES	7" x .090	5/8"-DK	\$25	14GESM	14" x .125	20mm	\$99
7GESMP	7" x .090	5/8"-DK	\$114	14GESMP	14" x .125	1"-20mm	\$434
10GES	10" x .100	5/8"-DK	\$38	14GESMMP	14" x .125	20mm	\$434
				14GESA	14" x .125	1"-20mm	\$126



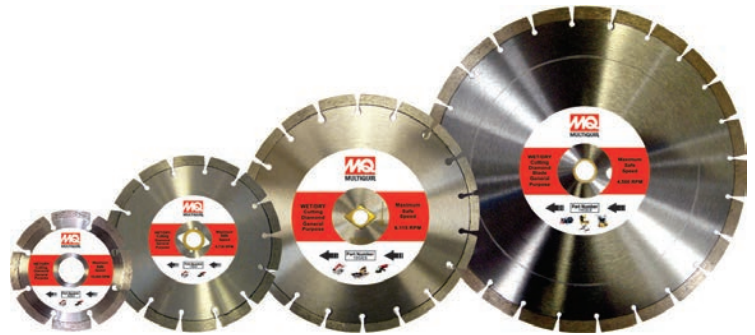
LASER WELDED

DRY/WET CUT

on all 12" and 14" blades

Segment Ht. 4" through 10" .390"/10mm
12" and 14" .550"/14mm

Note: The suffix MP indicates a Multi-Pack of 5 blades.

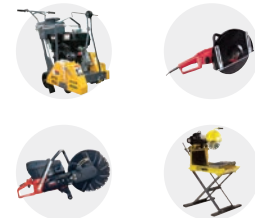


SEG — General Purpose — Economy Plus



Quality performance at low initial cost for cured concrete and medium hard masonry

Model	Size	Arbor	List \$	
12SEG	12" x .125	1"-20mm	\$88	Sintered Welded
12SEGL	12" x .110	1"-20mm	\$88	Laser Welded 10mm seg. height
12SEGXL	12" x .125	1"-20mm	\$110	Laser Welded 12mm seg. height
12SEGLMP	12" x .125	1"-20mm	\$405	Laser Welded 10mm seg. Height (5-pack)
14SEG	14" x .125	1"-20mm	\$103	Sintered Welded
14SEGL	14" x .125	1"-20mm	\$121	Laser Welded 10mm seg. height
14SEGXL	14" x .125	1"-20mm	\$130	Laser Welded 12mm seg. height
14SEGLMP	14" x .125	1"-20mm	\$565	Laser Welded 10mm seg. Height (5-pack)



LASER WELDED

DRY/WET CUT

Note: The suffix MP indicates a Multi-Pack of 5 blades.



Dry/Wet Cutting Segmented Diamond Blades

GPS — General Purpose — Standard



GPS — Quality performance at a low cost for cured concrete and medium hard masonry

GPSA — Quality performance at a low cost for asphalt, green concrete and concrete block

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4GPS	4" x .080	5/8"-7/8"	\$23	12GPSMP	12" x .125	1"-20mm	\$550
4GPSMP	4" x .080	5/8"-7/8"	\$94	12GPSA	12" x .125	1"-20mm	\$133
45GPS	4.5" x .080	5/8"-7/8"	\$26	12GPSAMP	12" x .125 5-Pack	1"-20mm	\$589
45GPSMP	4.5" x .080	5/8"-7/8"	\$112	12GPSAM	12" x .125	20mm	\$133
5GPS	5" x .080	5/8"-7/8"	\$29	12GPSAMMP	12" x .125	20mm	\$597
6GPS	6" x .080	5/8"-DK	\$33	14GPS	14" x .125	1"-20mm	\$138
7GPS	7" x .090	5/8"-DK	\$44	14GPSMP	14" x .125	1"-20mm	\$660
7GPSMP	7" x .090	5/8"-DK	\$199	14GPSM	14" x .125	20mm	\$138
8GPS	8" x .090	5/8"-DK	\$54	14GPSMMP	14" x .125	20mm	\$660
10GPS	10" x .100	5/8"-DK	\$85	14GPSA	14" x .125	1"-20mm	\$156
10GPSMP	10" x .100	5/8"-DK	\$368	14GPSAMP	14" x .125 5-Pack	1"-20mm	\$698
12GPS	12" x .125	1"-20mm	\$115	14GPSAM	14" x .125	20mm	\$156
12GPSMP	12" x .125	1"-20mm	\$550	14GPSAMMP	14" x .125	20mm	\$698
12GPSM	12" x .125	20mm	\$115				



LASER WELDED

DRY/WET CUT

on all 12" and 14" blades

Segment Ht. .390"/10mm

Note: The suffix MP indicates a Multi-Pack of 5 blades.



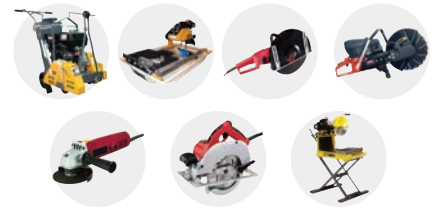
SBL — General Purpose — Premium



SBL — Excellent performance for cured concrete and medium hard masonry

SBLA — Excellent performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4SBL	4" x .080	5/8"-7/8"	\$32	14SBL	14" x .125	1"-20mm	\$175
45SBL	4.5" x .080	5/8"-7/8"	\$34	14SBLM	14" x .125	20mm	\$175
5SBL	5" x .080	5/8"-7/8"	\$41	14SBLA	14" x .125	1"-20mm	\$175
6SBL	6" x .095	5/8"-DK	\$51	14SBLAM	14" x .125	20mm	\$175
7SBL	7" x .095	5/8"-DK	\$69	16SBL	16" x .125	1"-20mm	\$288
8SBL	8" x .095	5/8"-DK	\$76	16SBLM	16" x .125	20mm	\$288
9SBL	9" x .095	5/8"-DK	\$78	16SBLA	16" x .125	1"-20mm	\$255
10SBL	10" x .095	5/8"-DK	\$100	16SBLAM	16" x .125	20mm	\$255
12SBL	12" x .125	1"-20mm	\$150	18SBL	18" x .125	1"	\$360
12SBLM	12" x .125	20mm	\$150	18SBLA	18" x .125	1"	\$360
12SBLA	12" x .125	1"-20mm	\$150	20SBL	20" x .125	1"	\$455
12SBLAM	12" x .125	20mm	\$150	20SBLA	20" x .125	1"	\$455



LASER WELDED

DRY/WET CUT

on all 12" and 14" blades

Segment Ht. 4" through 10" and 12SBLA/M and 14SBLA/M .390"/10mm

12SBL/M and 14SBL/M .470"/12mm



Dry/Wet Cutting Segmented Diamond Blades

PDHS1 — General Purpose — Premium Plus

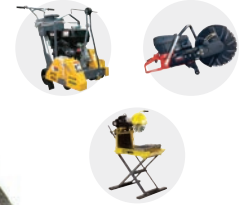


PDHS1 — Superior performance for cured concrete and medium hard masonry

PDHS1A — Superior performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor	List \$
12PDHS1	12" x .125	1"-20mm	\$195
12PDHS1M	12" x .125	20mm	\$195
12PDHS1A	12" x .125	1"-20mm	\$205
12PDHS1AM	12" x .125	20mm	\$205
14PDHS1	14" x .125	1"-20mm	\$255
14PDHS1M	14" x .125	20mm	\$255
14PDHS1A	14" x .125	1"-20mm	\$265
14PDHS1AM	14" x .125	20mm	\$265
16PDHS1	16" x .125	1"-20mm	\$349
16PDHS1M	16" x .125	20mm	\$349
16PDHS1A	16" x .125	1"-20mm	\$349
16PDHS1AM	16" x .125	20mm	\$349
18PDHS1	18" x .125	1"	\$385
18PDHS1A	18" x .125	1"	\$385

Segment Ht. 12PDHS1/M and 14PDHS1/M .470"/12mm
12PDHS1A/M and 14PDHS1A/M .390"/10mm



PDHS2 — General Purpose — Supreme

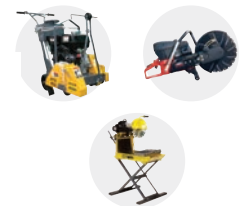


PDHS2 — Outstanding performance for cured concrete and medium hard masonry

PDHS2A — Outstanding performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor	List \$
12PDHS2	12" x .125	1"-20mm	\$275
12PDHS2M	12" x .125	20mm	\$275
12PDHS2A	12" x .125	1"-20mm	\$285
12PDHS2AM	12" x .125	20mm	\$285
14PDHS2	14" x .125	1"-20mm	\$340
14PDHS2M	14" x .125	20mm	\$340
14PDHS2A	14" x .125	1"-20mm	\$340
14PDHS2AM	14" x .125	20mm	\$340
16PDHS2	16" x .125	1"-20mm	\$395
16PDHS2M	16" x .125	20mm	\$395
16PDHS2A	16" x .125	1"-20mm	\$405
16PDHS2AM	16" x .125	20mm	\$405
18PDHS2	18" x .125	1"	\$435
18PDHS2A	18" x .125	1"	\$435
20PDHS2	20" x .140	1"	\$465
20PDHS2A	20" x .140	1"	\$465

Segment Ht. 12PDHS2/M and 14PDHS2/M .390"/10mm
12PDHS2A/M and 14PDHS2A/M .470"/12mm



Dry/Wet Cutting Diamond Blades - Walk Behind Saws

PWBC and PWBA Dry/Wet Walk Behind Blades— Premium Plus



PWBC — Superior quality, performance and operational life in cured concrete on 13HP to 20HP Saws

PWBA — Superior quality, performance and operational life in asphalt on 13HP to 20HP Saws

Model	Size	Arbor	List \$
14PWBC	14" x .125	1"	\$340
16PWBC	16" x .125	1"	\$395
18PWBC	18" x .125	1"	\$435
20PWBC	20" x .125	1"	\$465

Segment Ht. .470"/12mm



Model	Size	Arbor	List \$
14PWBA	14" x .125	1"	\$340
16PWBA	16" x .125	1"	\$395
18PWBA	18" x .125	1"	\$435
20PWBA	20" x .125	1"	\$465

Segment Ht. .390"/10mm



Dry/Wet Cutting Segmented Diamond Blades

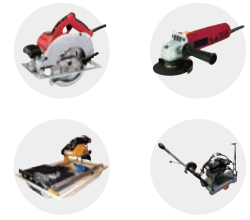
PSA — Abrasive Materials — Premium



Excellent performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor	List \$
7PSA	7" x .095	5/8"-7/8"	\$69
8PSA	8" x .095	5/8"-7/8"	\$78
9PSA	9" x .095	5/8"-7/8"	\$91
10PSA	10" x .095	5/8"-DK	\$105

Segment Ht. .390"/10mm



SP1G — Slab Saver Saw Segmented Blades — Premium

10PSA — Excellent performance for asphalt and green concrete

10PSG — Excellent performance for Cured Concrete

Model	Size	Arbor	List \$
10PSG	10" x .095"	5/8"	\$105
10PSA	10" x .095"	5/8"	\$105

10PSA Segment Ht. .390"/10mm

10PSG Segment Ht. .470"/12mm



SSCG2 and SSCG4 Segmented Blades with Soff-Cut® Arbor

SSCG2: Green concrete, medium to hard aggregate.

SSCG4: Green concrete, soft to medium hard aggregate.

Model	Size	Arbor	List \$
Skid Plate Included			
SSCG255080T	5.5" x .080	Triangle	\$156
SSCG206095T	6" x .095	Triangle	\$196
SSCG208095T	8" x .095	Triangle	\$251
SSCG210095T	10" x .095	Triangle	\$315
SSCG212125T	12" x .125	Triangle	\$468
SSCG213125T	13 3/8" x .125	Triangle	\$518
SSCG214125T	14" x .125	Triangle	\$531
Skid Plate Included			
SSCG406095T	6" x .095	Triangle	\$196
SSCG410095T	10" x .095	Triangle	\$315
SSCG413125T	13 3/8" x .125	Triangle	\$518
SSCG413250T	13 3/8" x .250	Triangle	\$841

Model	Size/Kerf	Net Price
Skid Plate Only		
SSP6809	6" & 8"/.095"	\$39
SSP1009	10"/.095"	\$44
SSP1212	12"/.125"	\$51
SSP1412	13 3/8" & 14"/.125	\$52
SSP1425	13 3/8" & 14"/.250	\$52



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Dry/Wet Cutting Turbo Rim Diamond Blades

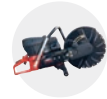
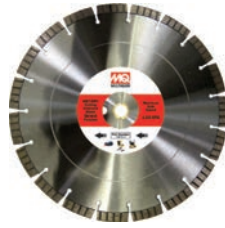
HSLC — Turbo Segmented — Economy



Quality performance, value priced for medium hard cured concrete and masonry

Model	Size	Arbor	List \$
12HSLC	12" x .125	1"-20mm	\$69
14HSLC	14" x .125	1"-20mm	\$88

Segment Ht. .470"/12mm



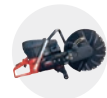
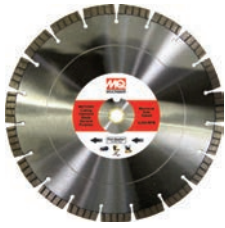
PSTXL — Turbo Segmented — Premium



Excellent performance, for fast cutting in very hard concrete, masonry and stone

Model	Size	Arbor	List \$
12PSTXL	12" x .125	1"-20mm	\$269
14PSTXL	14" x .125	1"-20mm	\$310

Segment Ht. .590"/15mm



GET — Turbo Rim — Economy



Quality performance, value priced, for medium hard cured concrete and masonry

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4GET	4" x .080	5/8"-7/8"	\$13	10GETMP	10" x .100	5/8"-DK	\$305
4GETMP	4" x .080	5/8"-7/8"	\$49	12GET	12" x .125	1"-20mm	\$111
45GET	4.5" x .080	5/8"-7/8"	\$15	12GETM	12" x .125	20mm	\$111
45GETMP	4.5" x .080	5/8"-7/8"	\$61	12GETMP	12" x .125	1"-20mm	\$489
5GET	5" x .080	5/8"-7/8"	\$15	12GETMMP	12" x .125	20mm	\$489
7GET	7" x .090	5/8"-DK	\$25	14GET	14" x .125	1"-20mm	\$140
7GETMP	7" x .090	5/8"-DK	\$98	14GETM	14" x .125	20mm	\$140
10GET	10" x .100	5/8"-DK	\$71	14GETMP	14" x .125	1"-20mm	\$628
				14GETMMP	14" x .125	20mm	\$628

Rim Ht. .276"/7mm



GPT — Turbo Rim — Standard



Quality performance for medium hard cured concrete and masonry

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4GPT	4" x .080	5/8"-7/8"	\$19	10GPT	10" x .100	5/8"-DK	\$85
4GPTMP	4" x .080	5/8"-7/8"	\$78	10GPTMP	10" x .100	5/8"-DK	\$395
45GPT	4.5" x .080	5/8"-7/8"	\$23	12GPT	12" x .125	1"-20mm	\$125
45GPTMP	4.5" x .080	5/8"-7/8"	\$98	12GPTM	12" x .125	20mm	\$125
5GPT	5" x .080	5/8"-7/8"	\$35	12GPTMP	12" x .125	1"-20mm	\$578
7GPT	7" x .090	5/8"-DK	\$45	12GPTMMP	12" x .125	20mm	\$578
7GPTMP	7" x .090	5/8"-DK	\$200	14GPT	14" x .125	1"-20mm	\$138
8GPT	7" x .090	5/8"-DK	\$55	14GPTM	14" x .125	20mm	\$138
				14GPTMP	14" x .125	1"-20mm	\$644
				14GPTMMP	14" x .125	20mm	\$644

Rim Ht. .276"/7mm



Dry/Wet Cutting Turbo Rim Diamond Blades

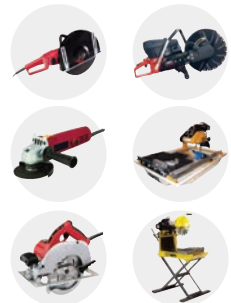
TBL — Turbo Rim — Premium



Excellent performance for medium hard cured concrete and masonry

Model	Size	Arbor	List \$
4TBL	4" x .080	5/8"-7/8"	\$38
45TBL	4.5" x .080	5/8"-7/8"	\$42
5TBL	5" x .080	5/8"-7/8"	\$49
6TBL	6" x .090	5/8"-7/8"	\$60
7TBL	7" x .090	5/8"-DK	\$72
8TBL	8" x .090	5/8"-DK	\$80
10TBL	10" x .090	5/8"-DK	\$135
12TBL	12" x .125	1"-20mm	\$190
12TBLM	12" x .125	20mm	\$190
14TBL	14" x .125	1"-20mm	\$205
14TBLM	14" x .125	20mm	\$205

Rim Ht. .390"/10mm



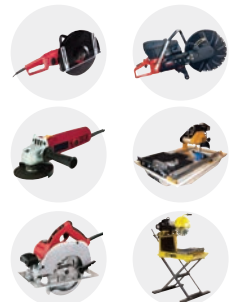
CHT — Turbo Wave Design — Premium



Excellent performance for medium hard cured concrete and masonry

Model	Size	Arbor	List \$
4CHT	4" x .080	5/8"-7/8"	\$54
45CHT	4.5" x .080	5/8"-7/8"	\$60
5CHT	5" x .080	5/8"-7/8"	\$65
7CHT	7" x .090	5/8"-DK	\$90
8CHT	8" x .090	5/8"-DK	\$115
10CHT	10" x .090	5/8"-DK	\$150
12CHT	12" x .125	1"-20mm	\$235
14CHT	14" x .125	1"-20mm	\$265

Rim Ht. .390"/10mm



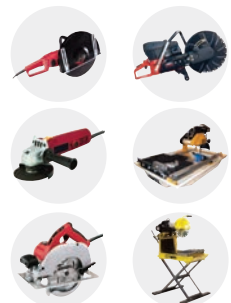
CHST — Turbo Wave Design — Premium



Excellent performance for very hard granite, stone, concrete and masonry

Model	Size	Arbor	List \$
4CHST	4" x .080	5/8"-7/8"	\$54
45CHST	4.5" x .080	5/8"-7/8"	\$60
5CHST	5" x .080	5/8"-7/8"	\$65
7CHST	7" x .090	5/8"-DK	\$90
9CHST	9" x .090	5/8"-DK	\$150
10CHST	10" x .100	5/8"-DK	\$157
12CHST	12" x .125	1"-20mm	\$235
14CHST	14" x .125	1"-20mm	\$265

Rim Ht. .390"/10mm



Dry/Wet Cutting Turbo Rim Diamond Blades Special Series

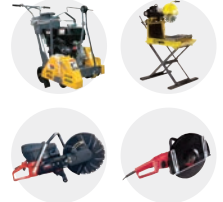
HSC — Combination Turbo Segment — Supreme



Excellent performance for concrete, asphalt, masonry and stone

Model	Size	Arbor	List \$
12HSC	12" x .125	1"-20mm	\$265
14HSC	14" x .125	1"-20mm	\$325
16HSC	16" x .125	1"-20mm	\$375
18HSC	18" x .125	1"	\$415
20HSC	20" x .140	1"	\$495

Segment Ht. .470"/12mm



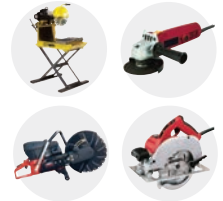
DRY/WET CUT

HSE — "Everything" Diamond Blade — Premium



Uniquely designed for fast cutting in steel, plastic, glass, concrete, masonry and stone

Model	Size	Arbor	List \$
45HSE	4.5" x .080	5/8"-7/8"	\$55
7HSE	7" x .095	5/8"-7/8"	\$99
12HSE	12" x .125	1"-20mm	\$215
12HSEM	12" x .125	20mm	\$215
14HSE	14" x .125	1"-20mm	\$250
14HSEM	14" x .125	20mm	\$250
16HSE	14" x .125	1"-20mm	\$329



DRY CUT

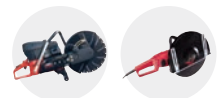
TDI — Ductile Iron — Premium



Excellent performance for very hard granite, stone, concrete and masonry

Model	Size	Arbor	List \$
12TDI	12" x .110	1"-20mm	\$235
12TDIM	12" x .110	20mm	\$235
14TDI	14" x .110	1"-20mm	\$315
14TDIM	14" x .110	20mm	\$315
16TDI	16" x .125	1"-20mm	\$425
16TDIM	16" x .125	20mm	\$425

Rim Ht. .197"/5mm



DRY CUT

Wet/Dry Cutting Diamond Blades Masonry Series

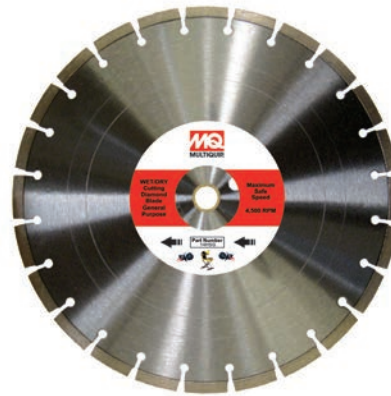
HSG— Very Hard Materials — Premium



Excellent performance for granite, stone, hard masonry and concrete

Model	Size	Arbor	List \$
12HSG	12"x.110	1"-20mm	\$260
12HSGM	12"x.110	20mm	\$260
14HSG	14"x.125	1"-20mm	\$315
14HSGM	14"x.125	20mm	\$315
20HSG	20"x.140	1"	\$510

Segment Ht. .470"/12mm



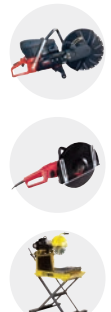
PVL — Hard Paver Brick — Premium



Excellent quality and performance for hard to very hard brick pavers

Model	Size	Arbor	List \$
10PVL	10"x.095	5/8"-DK	\$90
12PVL	12"x.110	1"-20mm	\$230
12PVL M	12"x.110	20mm	\$230
14PVL	14"x.110	1"-20mm	\$280
14PVL M	14"x.110	20mm	\$280
16PVL	16"x.125	1"-20mm	\$390
20PVL	20"x.125	1"	\$510

Segment Ht. .590"/15mm



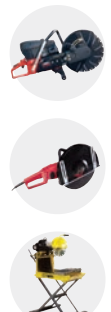
BBL — Block — Premium



Excellent quality and performance for soft abrasive block and masonry materials

Model	Size	Arbor	List \$
14BBL	14"x.110	1"-20mm	\$230
20BBL	20"x.125	1"	\$400

Segment Ht. .590"/15mm



Wet/Dry Cutting Diamond Blades Stone Series

PSG— Very Hard Materials — Premium



Excellent performance for granite, stone, hard masonry and concrete

Model	Size	Arbor	List \$
4PSG	4" x .080	5/8" - 7/8"	\$33
45PSG	4.5" x .080	5/8" - 7/8"	\$36
5PSG	5" x .080	5/8" - 7/8"	\$42
6PSG	6" x .095	5/8" - DK	\$52
7PSG	7" x .095	5/8" - DK	\$69
8PSG	8" x .095	5/8" - DK	\$78
9PSG	9" x .095	5/8" - DK	\$91
10PSG	10" x .095	5/8" - DK	\$105

Segment Ht. .390"/10mm



DRY/WET CUT

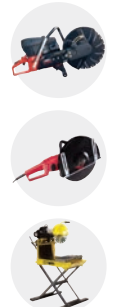
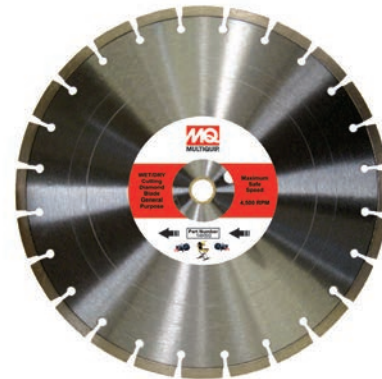
HSG— Very Hard Materials — Premium



Excellent performance for granite, stone, hard masonry and concrete

Model	Size	Arbor	List \$
12HSG	12" x .110	1" - 20mm	\$260
12HSGM	12" x .110	20mm	\$260
14HSG	14" x .125	1" - 20mm	\$315
14HSGM	14" x .125	20mm	\$315
20HSG	20" x .140	1"	\$510

Segment Ht. .470"/12mm



DRY/WET CUT

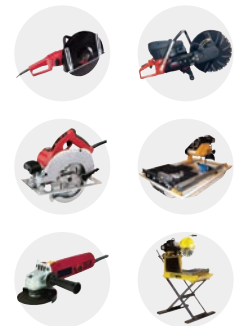
CHST— Turbo Wave Design — Premium



Excellent performance for very hard granite, stone, concrete and masonry

Model	Size	Arbor	List \$
4CHST	4" x .080	5/8" - 7/8"	\$54
45CHST	4.5" x .080	5/8" - 7/8"	\$60
5CHST	5" x .080	5/8" - 7/8"	\$65
7CHST	7" x .090	5/8" - DK	\$90
9CHST	9" x .090	5/8" - 7/8"	\$150
10CHST	10" x .100	5/8" - DK	\$157
12CHST	12" x .125	1" - 20mm	\$235
14CHST	14" x .125	1" - 20mm	\$265

Segment Ht. .390"/10mm



DRY/WET CUT

Wet Cutting Diamond Blades - Walk Behind Series

Cured Concrete



**WET
CUT**

The highest quality components for optimum sawing performance



Model	Size	Arbor	List \$	
1412C	14"	.125"	\$445	*
1414C	14"	.140"	\$490	*
1418C	14"	.187"	\$590	*
1425C	14"	.250"	\$760	*
1616C	16"	.165"	\$635	*
1816C	18"	.165"	\$760	*
2016C	20"	.165"	\$990	*
2416C	24"	.165"	\$1120	*
2616C	26"	.165"	\$1425	*
3016C	30"	.165"	\$1595	*
3616C	36"	.165"	\$1955	*
3618C	36"	.187"	\$2425	*

Segment Ht. 10mm
 Arbor Diameter: 1"
 *Under-cut Core Protection



Wet Cutting Diamond Blades - Walk Behind Series

Asphalt and Green Concrete



**WET
CUT**

The highest quality components for optimum sawing performance



Model	Size	Arbor	List \$	
1412AG	14"	.125"	\$465	*
1414AG	14"	.140"	\$490	*
1425AG	14"	.250"	\$575	*
1616AG	16"	.165"	\$575	*
1816AG	18"	.165"	\$710	*
2016AG	20"	.165"	\$875	*
2416AG	24"	.165"	\$1015	*
2616AG	26"	.165"	\$1285	*
3016AG	30"	.165"	\$1570	*
3616AG	36"	.165"	\$1955	*
3618AG	36"	.187"	\$2180	*

Segment Ht. 10mm
 Arbor Diameter: 1"
 *Under-cut Core Protection



Dry/Wet Cutting Diamond Blades Tile Series

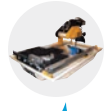
T — Tile Series — Standard



Quality performance, value priced for ceramic tile and soft to medium stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4T	4" x .060	5/8"-7/8"	\$17	7T	7" x .060	5/8"-7/8"	\$32
45T	4.5" x .060	5/8"-7/8"	\$20	7TMP	7" x .060	5/8"-7/8"	140
				10T	10" x .060	5/8"-7/8"	\$55
				10TMP	10" x .060	5/8"-7/8"	\$250

Rim Ht. .390"/10mm



WET CUT

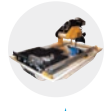
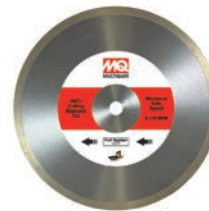
TP — Tile Series — Premium



Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4TP	4" x .060	5/8"-7/8"	\$20	8TP	8" x .060	5/8"	\$57
4TPMP	4" x .060	5/8"-7/8"	\$85	9TP	9" x .060	5/8"	\$65
45TP	4.5" x .060	5/8"-7/8"	\$24	10TP	10" x .060	5/8"	\$69
6TP	6" x .060	5/8"	\$39	10TPMP	10" x .060	5/8"	\$325
7TP	7" x .060	5/8"	\$44	12TP	12" x .080	1"	\$102
7TPMP	7" x .060	5/8"	\$205	14TP	14" x .080	1"	\$116

Rim Ht. 4TP & 45TP .315"/8mm, 6TP Through 14TP .390"/10mm



WET CUT

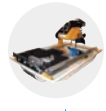
TS — Tile Series — Supreme



Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4TS	4" x .060	5/8"-7/8"	\$34	8TS	8" x .060	5/8"	\$70
45TS	4.5" x .060	5/8"-7/8"	\$42	10TS	10" x .060	5/8"	\$75
6TS	6" x .060	5/8"	\$50	12TS	12" x .080	1"	\$123
7TS	7" x .060	5/8"	\$55	14TS	14" x .080	1"	\$140

Rim Ht. .390"/10mm



WET CUT

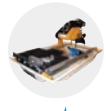
PTP — Porcelain Series — Premium



Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor	List \$
7PTP	7" x .060	5/8"-7/8"	\$65
8PTP	8" x .060	5/8"-7/8"	\$75
10PTP	10" x .060	5/8"-7/8"	\$90

Rim Ht. .390"/10mm



WET CUT

TD — Tile Dry Cutting Series — Premium



Quality performance for ceramic and porcelain tile, quality tile, marble and granite

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4TD	4" x .060	5/8"-7/8"	\$38	5TD	5" x .060	5/8"-7/8"	\$44
45TD	4.5" x .060	5/8"-7/8"	\$41	8TD	8" x .060	5/8"-7/8"	\$67
				10TD	10" x .060	5/8"-7/8"	\$84

Rim Ht. .295"/7.5mm



DRY/WET CUT

Dry/Wet Diamond Cup Wheels

CS and CST — Single Row Cup — Standard



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor	List \$
4CS	4"	5/8"-7/8"	\$49
4CST	4"	5/8"-11 Thd.	\$49
7CS	7"	5/8"-7/8"	\$69
7CST	7"	5/8"-11 Thd.	\$69



CSP and CSPT — Single Row Cup — Premium



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor	List \$
4CSP	4"	5/8"-7/8"	\$78
4CSPT	4"	5/8"-11 Thd.	\$78
7CSP	7"	5/8"-7/8"	\$131
7CSPT	7"	5/8"-11 Thd.	\$131



CD and CDT — Double Row Cup — Standard



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor	List \$
4CD	4"	5/8"-7/8"	\$85
4CDT	4"	5/8"-11 Thd.	\$85
7CD	7"	5/8"-7/8"	\$135
7CDT	7"	5/8"-11 Thd.	\$135



CDP and CDPT — Double Row Cup — Premium



Fast, smooth grinding performance and excellent finer finish f

Model	Size	Arbor	List \$
4CDP	4"	5/8"-7/8"	\$125
4CDPT	4"	5/8"-11 Thd.	\$125
7CDP	7"	5/8"-7/8"	\$195
7CDPT	7"	5/8"-11 Thd.	\$195



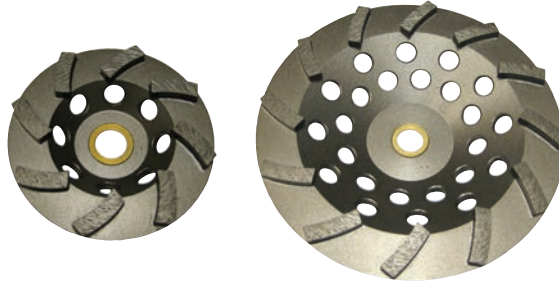
Wet/Dry Diamond Cup Wheels

CTS and CTST — Single Row Turbo Cup — Standard



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor	List \$
4CTS	4"	8	5/8"-7/8"	\$35
4CTST	4"	8	5/8"-11 Thd.	\$35
7CTS	7"	12	5/8"-7/8"	\$65
7CTST	7"	12	5/8"-11 Thd.	\$65

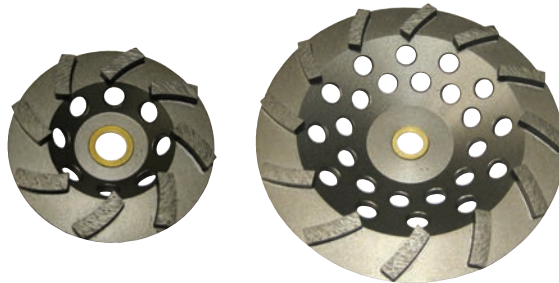


CTP and CTPT — Single Row Turbo Cup — Premium



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor	List \$
4CTP	4"	8	5/8"-7/8"	\$63
4CTPT	4"	8	5/8"-11 Thd.	\$63
7CTP	7"	12	5/8"-7/8"	\$105
7CTPT	7"	12	5/8"-11 Thd.	\$105



CTS2 and CTST2 — Double Row Turbo Cup — Standard



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor	List \$
4CTS2	4"	14	5/8"-7/8"	\$60
4CTST2	4"	14	5/8"-11 Thd.	\$60
7CTS2	7"	24	5/8"-7/8"	\$98
7CTST2	7"	24	5/8"-11 Thd.	\$98



CTP2 and CTPT2 — Double Row Turbo Cup — Premium



Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor	List \$
4CTP2	4"	14	5/8"-7/8"	\$90
4CTPT2	4"	14	5/8"-11 Thd.	\$90
7CTP2	7"	24	5/8"-7/8"	\$149
7CTPT2	7"	24	5/8"-11 Thd.	\$149



Dry/Wet Diamond Wheel Cups

SWC and SWCT — Sidewinder Cup — Professional



Aggressive material removal; leaves professional surface for concrete, masonry and stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4SWC	4"	5/8"-7/8"	\$119	7SWC	7"	5/8"-7/8"	\$195
4SWCT	4"	5/8"-11 Thd.	\$119	7SWCT	7"	5/8"-11 Thd.	\$195



CTM and CTMT — Continuous Turbo Cup — Premium



Excellent medium grit for professional finish grinding for concrete, masonry and stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4CTM	4"	5/8"-7/8"	\$150	7CTM	7"	5/8"-7/8"	\$259
4CTMT	4"	5/8"-11 Thd.	\$150	7CTMT	7"	5/8"-11 Thd.	\$259



CTC and CTCT — Continuous Turbo Cup — Premium



Excellent coarse grit finish grinding for professional results for concrete, masonry and stone

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4CTC	4"	5/8"-7/8"	\$150	7CTC	7"	5/8"-7/8"	\$259
4CTCT	4"	5/8"-11 Thd.	\$150	7CTCT	7"	5/8"-11 Thd.	\$259



PDGW and PDGWA — Floor Grinding Disc — Premium



Fast, aggressive grinding performance for professional finishes on hard non-abrasive materials
Fast, aggressive grinding performance for professional finishes on soft abrasive materials

Model	Size	Arbor	List \$
10PDGW	10"	*	\$398
10PDGWA	10"	**	\$398

* Arbor: Hole patterns are engineered to fit most 10" grinding machines
 Arbor is 3/4" with 4 holes 3/8"-24 threaded and 4 hole 25/64" countersur



Dry/Wet Cutting Diamond Tuck Point Blades

GTK — Tuck Point — Economy



Quality aggressive material removal for brick/block mortar joints

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4GTK	4" x .250	5/8"-7/8"	\$30	5GTK	5" x .250	5/8"-7/8"	\$48
45GTK	4.5" x .250	5/8"-7/8"	\$38	7GTK	7" x .250	5/8"-7/8"	\$78

Segment Ht. .390"/10mm



DRY/WET CUT

TK — Tuck Point — Standard



Great aggressive material removal for brick/block mortar joints

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4TK	4" x .250	5/8"-7/8"	\$48	45TK	4.5" x .250	5/8"-7/8"	\$52
4TK500	4" x .500	5/8"-7/8"	\$99	5TK	5" x .250	5/8"-7/8"	\$58
				7TK	7" x .250	5/8"-7/8"	\$96

Segment Ht. .315"/8mm



DRY/WET CUT

PTK — Tuck Point — Premium



Excellent aggressive material removal for brick/block mortar joints

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4PTK	4" x .250	5/8"-7/8"	\$75	45PTK	4.5" x .250	5/8"-7/8"	\$90
4PTK375	4" x .375	5/8"-7/8"	\$103	5PTK	5" x .250	5/8"-7/8"	\$100
4PTK500	4" x .500	5/8"-7/8"	\$140	7PTK	7" x .250	5/8"-7/8"	\$155

Segment Ht. .390"/10mm



DRY/WET CUT

WTK — Double Wafer Tuck Point — Premium



Lightning fast material removal for increased productivity over conventional tuck point blades

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4WTK	4" x .250	5/8"-7/8"	\$64	5WTK	5" x .250	5/8"-7/8"	\$73
45WTK	4.5" x .250	5/8"-7/8"	\$67	7WTK	7" x .250	5/8"-7/8"	\$133

Segment Ht. .390"/10mm



DRY/WET CUT

3WTK — Triple Wafer Tuck Point — Premium



Lightning fast material removal for increased productivity over conventional tuck point blades

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
43WTK	4" x .375	5/8"-7/8"	\$75	53WTK	5" x .375	5/8"-7/8"	\$100
453WTK	4.5" x .375	5/8"-7/8"	\$85	73WTK	7" x .375	5/8"-7/8"	\$205

Segment Ht. .390"/10mm



DRY/WET CUT

Dry/Wet Cutting Special Purpose Diamond Blades

CKV — "V" Shape Crack Chaser — Premium



*Quickly route and widen cracks in surfaces that require a "V" groove for sealing preparation;
Fast cutting and long life in concrete and asphalt*

Model	Size	Arbor	List \$	Model	Size	Arbor	List \$
4CKV	4" x .375"	5/8"-7/8"	\$130	7CKV	7" x .375"	5/8"-7/8"	\$215
4CKVT	4" x .375"	5/8"-11 Thrd	\$130	75CKV	7" x .500"	5/8"-7/8"	\$255
45CKV	4" x .500"	5/8"-7/8"	\$155	8CKV	8" x .375"	5/8"-7/8"	\$285
45CKVT	4" x .500"	5/8"-11 Thrd	\$155	85CKV	8" x .500"	5/8"-7/8"	\$340

Segment Ht. .500"/12.7mm



Diamond Core Bits

Core Bit Extensions and Adapters

Model	Description	Net Price
ADM1858	Adapter 18mm Female to 5/8"-11 Male	\$36
AD12JC5811	Adapter, 1/2" Jacobs Chuck to 5/8"-11 M	\$16
AD114758	Bit Adapter 1 1/4"-7 Female to 5/8"-11 M	\$43
AD581147	Bit Adapter 5/8"-11 Female to 1 1/4"-7 M	\$44
ADM181147	Bit Adapter M18 Female to 1 1/4"-7 Male	\$40
EXT12M18	Bit Extension 12" x M18 Female/Male	\$88
EXT65811	Bit Extension 6" x 5/8"-11 Female/Male	\$35
EXT125811	Bit Extension 12" x 5/8"-11 Female/Male	\$49
EXT61147	Bit Extension 6" x 1 1/4"-7 Female/Male	\$45
EXT121147	Bit Extension 12" x 1 1/4"-7 Female/Male	\$60
EXT241147	Bit Extension 24" x 1 1/4"-7 Female/Male	\$91



Diamond Core Bits

Diamond Core Bits

WET Core Bit Series

Diameter	Thread	CB	List \$	CBA	List \$	PRB	List \$	CBS	List \$
3/4"	5/8"-11	34CB	\$70	-		-	-	-	-
1"	5/8"-11	1CB	\$77	-		1PRB	\$80	1CBS	\$99
1 1/4"	5/8"-11	-	-	-		114PRB	\$92	114CBS	\$124
1 1/2"	5/8"-11	112CB	\$108	-		112PRB	\$98	112CBS	\$134
2"	1 1/4"- 1	2CB	\$130	2CBA	\$130	2PRB	\$140	2CBS	\$163
2 1/2"	1 1/4"- 1	212CB	\$147	212CBA	\$147	212PRB	\$152	212CBS	\$182
3"	1 1/4"- 1	3CB	\$188	3CBA	\$188	3PRB	\$195	3CBS	\$231
3 1/2"	1 1/4"- 1	312CB	\$218	312CBA	\$218	312PRB	\$226	312CBS	\$274
4"	1 1/4"- 1	4CB	\$245	4CBA	\$245	4PRB	\$240	4CBS	\$325
4 1/2"	1 1/4"- 1	412CB	\$275	412CBA	\$275	412PRB	\$270	412CBS	\$372
5"	1 1/4"- 1	5CB	\$300	5CBA	\$300	5PRB	\$299	5CBS	\$412
5 1/2"	1 1/4"- 1	-	-	-		512PRB	\$340	-	-
6"	1 1/4"- 1	6CB	\$369	6CBA	\$369	6PRB	\$359	6CBS	\$491
6 1/2"	1 1/4"- 1	-	-	-		612PRB	\$399	-	-
7"	1 1/4"- 1	7CB	\$425	7CBA	\$425	7PRB	\$430	7CBS	\$555
8"	1 1/4"- 1	8CB	\$500	8CBA	\$500	8PRB	\$480	8CBS	\$595
9"	1 1/4"- 1	9CB	\$540	-		9PRB	\$532	9CBS	\$785
10"	1 1/4"- 1	10CB	\$600	-		10PRB	\$609	10CBS	\$880
12"	1 1/4"- 1	12CB	\$755	-		12PRB	\$755	12CBS	\$1,075
14"	1 1/4"- 1	14CB	\$900	-		14PRB	\$895	-	-



CB Standard: Great quality, performance and operational life. Designed for light steel reinforcement applications and general purpose drilling of medium hard cured concrete, masonry and stone.

CBA ...Standard: Great quality, performance and operational life in asphalt, green concrete, and all abrasive materials.

PRBPremium: Excellent quality, performance and operational life. Designed for light steel reinforcement applications and general purpose drilling of medium hard cured concrete, masonry and stone.

CBSSupreme: Excellent performance and long life in cured concrete with moderate to heavy steel reinforcement, hard masonry and stone.



CB

CBA

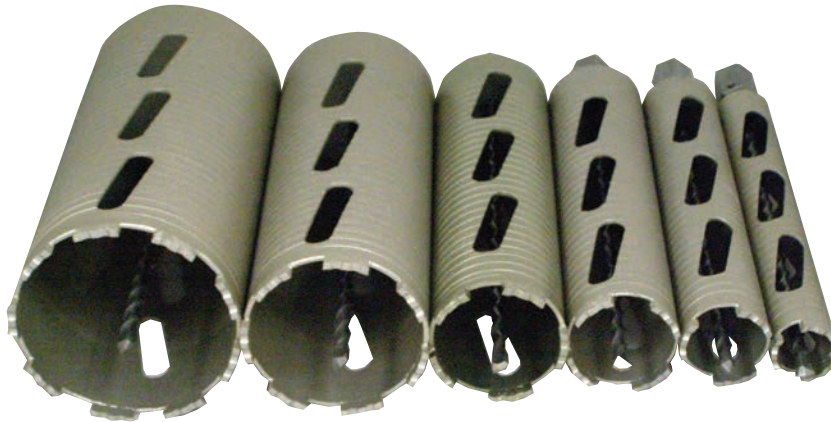
PRB

CBS

Cobra II Professional Dry Diamond Core Bits

Cobra Professional Dry Diamond Core Bits — Complete Sets

The Multiquip Cobra II Core Bit Series provides exceptional hand-held drilling performance when the job can not or will not allow the use of water to cool the core bit. The unique design of the core barrel, and diamond segment matrix permits fast and accurate dry drilling operations. Most popular core bit diameters are available.



For hand-held core drills

Dry drilling design

For drilling cured concrete

Unique “fluted” core barrel

COB2 bit set series includes pilot starter bit



Cobra II with Pilot Bit

Part No.	Description	List \$
78COB2	7/8" COBRA-II Bit Set	\$169
1COB2	1" COBRA-II Bit Set	\$170
114COB2	1 1/4" COBRA-II Bit Set	\$176
112COB2	1 1/2" COBRA-II Bit Set	\$183
134COB2	1 3/4" COBRA-II Bit Set	\$200
2COB2	2" COBRA-II Bit Set	\$209
214COB2	2 1/4" COBRA-II Bit Set	\$223
212COB2	2 1/2" COBRA-II Bit Set	\$239
234COB2	2 3/4" COBRA-II Bit Set	\$254
3COB2	3" COBRA-II Bit Set	\$271
312COB2	3 1/2" COBRA-II Bit Set	\$304
4COB2	4" COBRA-II Bit Set	\$339
412COB2	4 1/2" COBRA-II Bit Set	\$379
5COB2	5" COBRA-II Bit Set	\$408
6COB2	6" COBRA-II Bit Set	\$443
C2CP	COBRA-II Center Pin Only	\$20*
CH2S	Adapter, COBRA-II 5/8"-11 Male/Female Replacement	\$8*

Cobra II Core Bit

Part No.	Description	List \$
78COB2B0	7/8" COBRA-II Bit Only	\$154
1COB2B0	1" COBRA-II Bit Only	\$155
114COB2B0	1 1/4" COBRA-II Bit Only	\$161
112COB2B0	1 1/2" COBRA-II Bit Only	\$168
134COB2B0	1 3/4" COBRA-II Bit Only	\$185
2COB2B0	2" COBRA-II Bit Only	\$194
214COB2B0	2 1/4" COBRA-II Bit Only	\$208
212COB2B0	2 1/2" COBRA-II Bit Only	\$224
234COB2B0	2 3/4" COBRA-II Bit Only	\$239
3COB2B0	3" COBRA-II Bit Only	\$256
312COB2B0	3 1/2" COBRA-II Bit Only	\$289
4COB2B0	4" COBRA-II Bit Only	\$324
412COB2B0	4 1/2" COBRA-II Bit Only	\$364
5COB2B0	5" COBRA-II Bit Only	\$393
6COB2B0	6" COBRA-II Bit Only	\$428

*Bit Barrel = 5/8" – 11 Female Thread

*Net Price

Blockbuster Dry Diamond Core Bits

Blockbuster Dry Diamond Core Bits



Blockbuster Series bits are designed for fast, clean drilling to 9" depth in concrete block and soft masonry materials. Air slots in the cores aid in cooling. Bits easily adapt to most right angle grinders with 5/8"-11 threaded shafts, and hand held drills with 5/8"-11 to Jacobs chuck adapters.

Model	Size	Thread	List \$
1DB	1"	5/8"-11	\$65
114DB	1 1/4"	5/8"-11	\$70
112DB	1 1/2"	5/8"-11	\$75
134DB	1 3/4"	5/8"-11	\$90
2DB	2"	5/8"-11	\$95
214DB	2 1/4"	5/8"-11	\$100
212DB	2 1/2"	5/8"-11	\$117
3DB	3"	5/8"-11	\$135
312DB	3 1/2"	5/8"-11	\$176
4DB	4"	5/8"-11	\$220
412DB	4 1/2"	5/8"-11	\$246
5DB	5"	5/8"-11	\$280
6DB	6"	5/8"-11	\$314



**DRY
DRILL**



Core Bit Accessories

Model	Description	Net Price
ADM1858	Adapter, 18mm Female to 5/8"- 11 Male	\$36
ADM181147	Adapter, 18mm Female to 1 1/4"- 7 Male	\$40
AD12JC5811	Adapter, 1/2" Jacobs Chuck to 5/8"-11 M	\$16
EXT12M18	Bit Extension 12" x M18 Female/Male	\$88
EXT65811	Bit Extension 6" x 5/8"-11 Female/Male	\$35
EXT125811	Bit Extension 12" x 5/8"-11 Female/Male	\$49
C2CP	COBRA-II Center Pin Only	\$20
CH2S	Adapter, COBRA-II 5/8"-11 Male/Female Replacement	\$8



Dry Diamond Drill Bits for Ceramics and Stone

Dry Diamond Drill Bits for Ceramics and Stone — Premium



TB High quality drill bits for clean drilling of ceramics and soft stone. Designed for use on most hand drills with 3/8" or 1/2" chuck sizes. Drilling depth is 2".

Model	Diameter	Shank Diameter	List \$
12TB	1/2"	10mm	\$64
34TB	3/4"	10mm	\$67
78TB	7/8"	*10mm	\$68
1TB	1"	*10mm	\$69
118TB	1 1/8"	*10mm	\$70
114TB	1 1/4"	*10mm	\$71
138TB	1 3/8"	*10mm	\$72
112TB	1 1/2"	*10mm </td <td>\$78</td>	\$78
158TB	1 5/8"	*10mm	\$80
134TB	1 3/4"	*10mm	\$86
178TB	1 7/8"	*10mm	\$87
2TB	2"	*10mm	\$87
212TB	2 1/2"	*10mm	\$160
3TB	3"	*10mm	\$165

*Includes Pilot Bit



CDM1H — Wet and Dry Hand Held Core Drill

Our **CDM1H** is a value-packed hand-held electric core drill kit capable of handling multiple drilling and coring applications. The CDM1H operates at 110V/13A, generates 2,000 RPM, provides a slip clutch and overload protection.

The high RPM is ideally suited for use with our COBRA series dry drilling core bits from 1" to 5" diameters, and wet drilling core bits up to 3" diameter.

Kit includes:

- n Drill with convenient rest
- n Water kit
- n Wrenches
- n M18F to 5/8"-11M and M18F to 1 1/4"-7M adapters
- n Plastic carrying case.



Diamond Blade Troubleshooting Guide

A majority of the problems experienced by diamond blade end users are the result of:

- Choosing the wrong blade for the job.
- Improper use of blade.
- Equipment failure or improperly maintained equipment.

Below are some examples of common problems experienced by end users.

Blade wobbles (loss of tension)

- Blade is too hard for material. Creates excessive stress on steel core. **Check with manufacturer if blade is suitable for material.**
- Blade shaft of saw is misaligned. Causes steel core to become bowed. **Check saw for proper blade shaft alignment.**
- Blade flanges are worn and undersized. Insufficient clamping area to keep blade strait. **Replace blade flanges with manufacturers recommended parts only.**
- Blade flanges, both inner and outer are different diameters. Causes steel core to bow. **Replace blade flanges with manufacturers recommended parts only.**
- Saw operator is attempting to cut full depth in one pass. Causes blade to stop cutting creating excessive stress on steel core resulting, in loss of tension.

Lower blade to a depth that allows the saw to cut at a forward speed of 8 to 10 feet per minute without the blade lifting out of the cut. This is step cutting, which requires making multiple passes at progressive depths. Step cutting is more time and cost effective than cutting full depth in one pass.

- Blade core is overheating due to lack of adequate coolant.

Check water supply system for even water flow or blockages to both inner and outer sides of blade.



Super Slurc



Slurc

When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade.

Undercutting

Undercutting is a condition in which the steel core where the segments and core are joined wears faster than the segment. This condition results from highly abrasive materials such as sand generated by the sawing operation grinding against the blade.

- Lack of sufficient water to flush away cuttings. **Increase water flow to blade. Check for blocked water supply tubes.**
- Allowing blade to cut through material into sub-base material. **Set cutting depth slightly less than or equal to the total depth of slab.**
- Lack of sufficient undercut protection on steel core. **When ordering blades from your supplier, request undercut protection at no additional charge. Types of undercut protection offered are shown below.**

Steel Core and Segment Cracks

- Blade is too hard for material. Creates excessive stress on steel core and segment. **Check with manufacturer if blade is suitable for material being cut.**
- Exceeding recommended operating speed. Will cause blade to cut slower and create excessive stress on core. **Always operate blades at manufacturer's recommended R.P.M. Refer to A.N.S.I code B71 & B75.**
- Blade core is overheating due to lack of adequate coolant. **Check water supply system for even water flow or blockages to both inner and outer sides of blade. When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade.**
- Saw operator is attempting to cut full depth in one pass. This may cause blade to stop cutting by creating great stress on the steel core resulting in excessive heat, loss of tension, and core cracks.

Diamond Blade Troubleshooting Guide

Lower blade to a depth that allows the saw to cut at a forward speed of 8 to 10 feet per minute without the blade lifting out of the cut. This approach is referred to as "step cutting". Step cutting represents a more cost and time effective sawing technique than attempting one full depth cut.

Blade Out of Round

- a. Blade is too hard for material. Creates excessive stress on steel core. ***Check with manufacturer if blade is suitable for material.***
- b. Worn blade shaft bearings. Causes blade shaft to turn eccentrically resulting in blade wearing out of round. ***Replace blade shaft bearings. This condition most often occurs when bearing lubrication is neglected.***
- c. Blade shaft scored due to blade spinning between flanges. Causes blade to turn eccentrically resulting in blade wearing out of round. Condition is normally occurs when drive or safe pin is broken or missing. ***Replace blade shaft, possibly bearings, inner and outer blade flanges and drive pin.***

Arbor Hole Out of Round

- a. Blade shaft scored due to blade spinning between flanges. Causes blade to turn eccentrically resulting in blade wearing out of round. ***Condition normally occurs when drive or safe pin is broken or missing. Replace blade shaft, possibly bearings, inner and outer blade flanges and drive pin.***
- b. Blade flanges improperly tightened allowing blade to rotate on shaft. ***Check for damage to mounting shaft and replace if damaged. Always make sure blade is properly secured with blade wrench, never hand tighten.***

Blade not Cutting

- a. Blade is too hard for material. Using asphalt blade to cut concrete or block blade on hard brick. ***Check with dealer or manufacturer if blade is suitable for material you are cutting.***

- b. Saw operator is attempting to cut full depth in one pass. Causes blade to stop cutting due to lack of diamond exposure due to insufficient power. Lack of power could also be due to loose V-belts, loss of engine compression, inadequate voltage or exceeding manufacturers recommended R.P.M. ***Lower blade to a depth that allows the saw to cut at a forward speed of 8 to 10 feet per without the blade lifting out of the cut. Check belts and replace if worn. Have mechanic check if engine compression is within manufacturers specifications. Make sure extension cords are rated properly for tool HP and amperage.***

Segment Loss

- a. Material being cut is not held securely causing blade to twist and jamb in cut. ***Secure material during cutting. Maintain firm grip on cutting tool.***
- b. Worn or debris covered blade flanges provide insufficient clamping to support blade causing it to deflect. ***Make sure flanges are free of debris when mounting blade. Replace flanges if worn or undersize.***
- c. Blade is too hard for material. Using asphalt blade to cut concrete or block blade on hard brick. ***Check with dealer or manufacturer if blade is suitable for material you are cutting.***
- d. Worn blade shaft bearings or scored blade shaft. Causes blade shaft to turn eccentrically, wearing blade out of round and causing blade to pound, resulting in segment loss. ***Replace blade shaft bearings or blade shaft.***
- e. Blade overheated resulting in a blue color on the steel core in the area where segment is mounted. ***Check water supply system for even water flow or blockages to both inner and outer sides of blade. Check if mechanical water pump is functioning properly and supply hose is not kinked. When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade. Every few minutes allow blade to spin freely in order to cool.***

Diamond Core Drilling Tips

Make sure to always secure drill stand with a mechanical anchor, vacuum system, or ceiling jack.

DO NOT stand on the base and proceed to drill without anchoring. VACUUM BASES are designed to accommodate a maximum of 6" diameter core bits. LEVEL the drill stand by using a level on the mast and adjusting the leveling screws on the four corners of the mast.

Turn on the water supply before starting the drill motor. DO NOT let the bit spin in the hole without applying pressure. Apply even pressure when drilling. When drilling through STEEL REINFORCEMENT or REBAR reduce the downward pressure and allow the bit to cut at its own rate. DO NOT FORCE the bit.

Also it is helpful with a multiple speed unit, to first stop the motor then switch to a slower speed.

Drilling in concrete with very hard aggregate or high PSI concrete may cause the bit to glaze over or stop cutting. When this occurs several methods can be used to help open up or redress the bit.

If possible, switch drill motor to a slower speed. Reduce the water flow by half for a few minutes to allow more of the material generated by the cutting action to build up in the cut. As the bit begins to open up or pick up speed, increase the water flow gradually. Sand can be added to the slurry. Then repeat the above procedure.

Upon completion of drilling, back the core bit out of the hole with the motor running and reduce the water flow.

Core Bit RPM Chart

Size	Ideal RPM	Min. RPM	Max. RPM
1"	3182	2387	3980
1¼"	2545	1910	3184
1½"	2121	1592	2653
1¾"	1818	1364	2274
2"	1591	1194	1990
2½"	1273	955	1592
3"	1061	796	1327
3½"	909	682	1137
4"	795	597	995
4¼"	749	562	937
4½"	707	531	884
5½"	579	434	724
6"	530	398	663
6¼"	509	382	637
6½"	490	367	612
7"	455	341	569
8*	398	298	498
9"	354	265	442
10"	318	239	398
11"	291	219	365
12"	265	199	332
14"	227	171	284

Technical Information

Maximum Safe Blade Speed

Diameter		Max. Safe RPM
Inches	mm	
4"	102	15,280
4½"	114	13,580
5"	127	12,225
6"	152	10,185
7"	178	8,730
8"	203	7,640
9"	229	6,780
10"	254	6,115
12"	305	5,095
12"	305	6,300 (HS)
14"	356	3,820
14"	356	5,400 (HS)
16"	406	3,820
16"	406	4,500 (HS)
18"	457	3,395
20"	508	3,055
22"	559	2,780
24"	610	2,550
26"	660	2,350
28"	711	2,185
30"	762	2,040
32"	813	1,910
36"	914	1,700
42"	1067	1,455
48"	1219	1,275

** Based Upon ANSI B7.1 & B7.5 guidelines for maximum safe/never exceed speeds. Before cutting operations ensure that the actual blade shaft (arbor) speed of the tool is within the "Maximum Safe Speed (RPM)" of the blade.

HS = For High Speed Cut-Off Saws

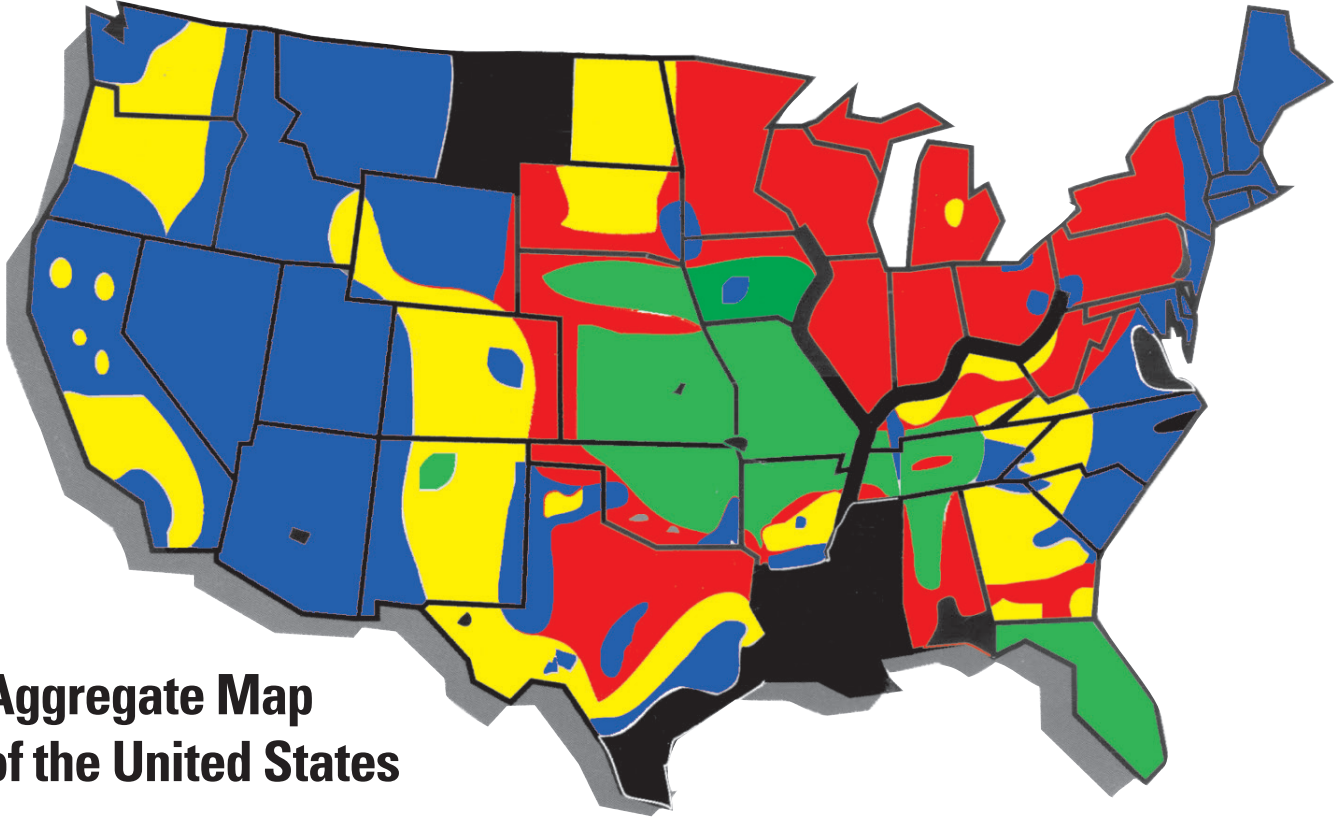
Wet Cutting — Water for Cooling the Blade

Diamond Blades classified as WET cutting MUST be used with water to reduce the extreme heat that builds up during operations. Water also reduces dust and helps remove cutting residue. Operating a WET blade without water will cause damage to the blade, and creates a safety hazard. A continuous flow of water to both sides of the blade/core bit is critical to safe, effective cutting operations.

Dry Cutting — Air or Water for Cooling the Blade

Diamond Blades classified as DRY cutting utilize the circular speed airflow around the blade to prevent extreme heat build-up. Using a technique of intermittent sawing and shallow depths help ensure sufficient cooling intervals. Also, water may be used as a blade coolant, and to aid in minimizing dust being generated.

Diamond Blade Technical Information



**Aggregate Map
of the United States**

Mohs Hardness	Aggregate Type
8	Critically Hard Aggregate — Flint...Chert
7	Hard Aggregates — Hard Gravels...Quartz...Some Granites
6	Medium Hard Aggregates — Medium Gravels...Granites...Traprock
5	Medium-Soft Aggregates — Medium Hard Limestone
4, 3	Soft Aggregates — Soft Limestone...Slag...Dolomite

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