



Cutter

Diamond Products ✨

6th Edition

866-816-8073

www.CutterDiamond.com

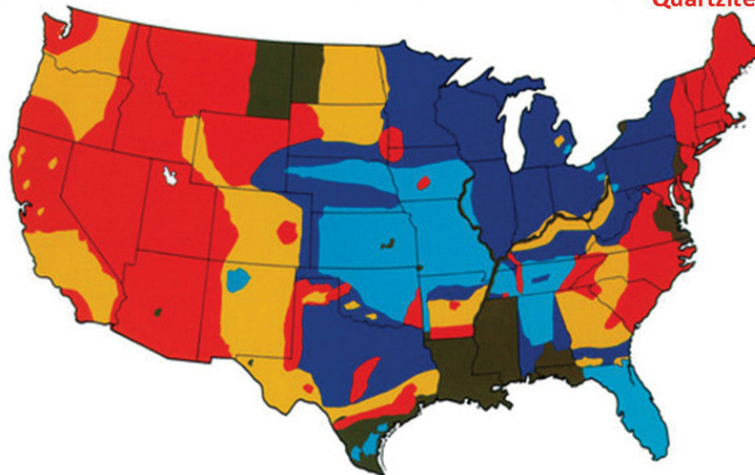
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AGGREGATE CLASSIFICATION MAP of the UNITED STATES

SOFT	MEDIUM SOFT	MEDIUM	MEDIUM HARD	HARD
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<p>Soft Limestone</p> <p>Sandstone</p> <p>Dolomite Limestone</p> <p>Siliceous</p> <p>Soft Shell</p>	<p>Pit Gravel</p> <p>Limestone</p> <p>Dolomite</p>	<p>Medium Hard River Rock</p> <p>Gravel</p> <p>Medium Traprock</p> <p>Decomposed Granite</p>	<p>Granite</p> <p>Slate</p> <p>Traprock</p> <p>Basalt</p> <p>Quartzite</p>	<p>Hard Chert</p> <p>Quartz</p> <p>Flint Rock</p> <p>Hard River Rock</p>
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CUTTING DEPTHS & OPERATING SPEEDS

CUTTING DEPTHS						RPM	
Diameter	Tile	Concrete	Masonry	Power Hand Saw Blades	High Speed Blades	Recommended	Maximum
4"	3/4"			1"		9072	15000
4 1/2"	1"			1 1/4"		8063	13300
5"	1 1/4"			1 1/2"		7257	12000
6"	1 3/4"			2"		6048	10185
7"	2 1/4"	1 1/2"		2 1/2"		5184	8730
8"	2 3/4"	2"		3"		4536	7640
9"	3 1/4"					4032	6790
10"	3 3/4"					3629	6115
12"		3 3/4"				3024	5095
12" High Speed					4"		6300
14"		4 3/4"	5"			2592	4365
14" High Speed					5"		5400
16"		5 3/4"				2268	3820
16" High Speed					6"		4800
18"		6 3/4"	7"			2016	3395
20"		7 3/4"	8"			1814	3055
24"		9 3/4"				1512	2550
26"		10 3/4"				1396	2350
30"		11 3/4"				1120	2040
36"		14 3/4"				1008	1700

*Diamond blade cutting depths listed above are approximate.



HEAVY DUTY

- Dry/Wet Use
- Very Good Blade Life
- Reinforced Concrete, Hard Brick, Hard Pavers, Natural Stone and Masonry Applications

Item #	Size	Segment Height	List Price
HH312125	12" x .125 x 1/20mm	10mm	\$410.00
HH314125	14" x .125 x 1/20mm	10mm	\$476.67



PREMIUM

- Dry/Wet Use
- Excellent Blade Life
- Heavily Reinforced Concrete, Hard Brick, Refractory Brick, Hard Pavers, Natural Stone, Marble, Granite and Masonry Applications

Item #	Size	Segment Height	List Price
HP312125	12" x .125 x 1/20mm	10mm	\$486.67
HP314125	14" x .125 x 1/20mm	10mm	\$563.33

TIP

Correct identification of the material you are cutting can help you choose the correct diamond blade.



ECONOMY

- Dry/Wet Use
- Average Blade Life
- Concrete, Masonry and Paver Applications

Item #	Size	Segment Height	List Price
EB12125	12" x .125 x 1/20mm	12mm	\$123.33
EB14125	14" x .125 x 1/20mm	12mm	\$133.33



VALUE

- Dry/Wet Use
- Good Blade Life
- Concrete, Masonry and Paver Applications

Item #	Size	Segment Height	List Price
VB12125	12" x .125 x 1/20mm	12mm	\$216.67
VB14125	14" x .125 x 1/20mm	12mm	\$236.67



HEAVY DUTY

- Dry/Wet Use
- Very Good Blade Life
- Concrete, Masonry and Paver Applications

Item #	Size	Segment Height	List Price
HH512125	12" x .125 x 1/20mm	15mm	\$310.00
HH514125	14" x .125 x 1/20mm	15mm	\$340.00
HH516125	16" x .125 x 1/20mm	10mm	\$476.67
HH518140	18" x .140 x 1/20mm	10mm	\$666.67
HH520160	20" x .140 x 1/20mm	10mm	\$773.33





PREMIUM

- Dry/Wet Use
- Excellent Blade Life
- Reinforced Concrete, Concrete Pipe, Pavers and Masonry Applications

Item #	Size	Segment Height	List Price
HP512125	12" x .125 x 1/20mm	10mm	\$408.33
HP514125	14" x .125 x 1/20mm	10mm	\$440.00
HP516125	16" x .125 x 1/20mm	10mm	\$660.00
HP518140	18" x .140 x 1"	10mm	\$746.67
HP520140	20" x .140 x 1"	10mm	\$880.00



PREMIUM ALTERNATING TURBO

- Dry/Wet Use
- Excellent Blade Life
- Alternating Turbo/Standard Segments
- Concrete Pipe with Rebar, Concrete Piles and Reinforced Concrete

Item #	Size	Segment Height	List Price
HPTA12125	12" x .125 x 1/20mm	15mm	\$420.00
HPTA14125	14" x .125 x 1/20mm	15mm	\$465.00



up to 20 HP Floor Saws

VALUE

- Dry/Wet Use • Good Blade Life
- Undercut Protection, Asphalt, Block and Green Concrete Applications

Item #	Size	Segment Height	List Price
VBA14125	14" x .125 x 1/20mm	10mm	\$265.00

HEAVY DUTY

- Dry/Wet Use • Very Good Blade Life
- Undercut Protection, Asphalt, Block and Green Concrete Applications

Item #	Size	Segment Height	List Price
HH712125	12" x .125 x 1/20mm	10mm	\$396.67
HH714125	14" x .125 x 1/20mm	10mm	\$410.00

PREMIUM

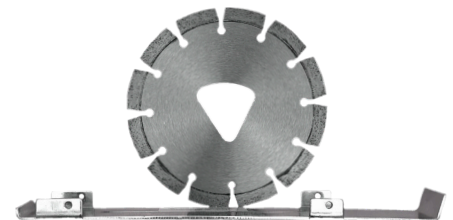
- Dry/Wet Use • Excellent Blade Life
- Undercut Protection, Asphalt, Block and Green Concrete Applications

Item #	Size	Segment Height	List Price
HP712125	12" x .125 x 1/20mm	10mm	\$430.00
HP714125	14" x .125 x 1/20mm	10mm	\$490.00
HP716125	16" x .125 x 1/20mm	10mm	\$725.00
HP718160	18" x .160 x 1"	10mm	\$900.00
HP720160	20" x .160 x 1"	10mm	\$1150.00

EARLY ENTRY

- Fits Most Saws with an Asymmetrical Arbor • Green Concrete Application
- Includes Skid Plate Repair Kit

Item #	Size	Segment Height	List Price
QS6100	6" x .100	10mm	\$220.00
QS8100	8" x .100	10mm	\$350.00
QS10100	10" x .100	10mm	\$400.00
QS12125	12" x .125	10mm	\$700.00
QS135125	13.5" x .125	10mm	\$765.00



MULTI PURPOSE BLADES



MULTI Purpose
up to 20 HP Floor Saws



THE ONE

- Dry/Wet Use
- Excellent Blade Life
- Concrete, Brick, Block, Asphalt and Green Concrete Applications

Item #	Size	Segment Height	List Price
HS112125	12" x .125 x 1/20mm	10mm	\$375.00
HS114125	14" x .125 x 1/20mm	10mm	\$410.00
HS114125-20	14" x .125 x 20mm	10mm	\$410.00
HS116125	16" x .125 x 1/20mm	10mm	\$528.33
HS118140	18" x .140 x 1/20mm	10mm	\$635.00
HS120140	20" x .140 x 1/20mm	10mm	\$763.33



THE ONE TURBO

- Dry/Wet Use
- Very Good Blade Life
- Faster Cutting with Turbo Segments
- Concrete, Brick, Block, Asphalt and Green Concrete Applications

Item #	Size	Segment Height	List Price
HST112125	12" x .125 x 1/20mm	10mm	\$410.00
HST114125	14" x .125 x 1/20mm	10mm	\$440.00
HST116125	16" x .125 x 1/20mm	10mm	\$590.00
HST118140	18" x .140 x 1/20mm	10mm	\$693.33

TIP

Keeping your diamond blade cool will extend its life and improve performance.



THE CRUSHER

- Dry/Wet Use
- Excellent Blade Life
- Concrete, Ductile Iron, Brick, Block, Light Steel, Asphalt Applications

Item #	Size	Segment Height	List Price
HSC14125	14" x .125 x 1/20mm	10mm	\$420.00
HSC14125-20	14" x .125 x 20mm	10mm	\$420.00
HSC16140	16" x .125 x 1/20mm	10mm	\$576.67



THE UTILITY

- Dry/Wet Use
- Excellent Blade Life
- Concrete, Ductile Iron, Asphalt*, PVC, Wood, Threaded Rod and Rebar Applications *cutting Asphalt will reduce blade life.

Item #	Size	Segment Height	List Price
HSU12125	12" x .125 x 1/20mm	10mm	\$340.00
HSU14125	14" x .125 x 1/20mm	10mm	\$370.00
HSU14125-20	14" x .125 x 20mm	10mm	\$370.00
HSU16140	16" x .140 x 1/20mm	10mm	\$533.33



THE MAX

- Dry/Wet Use
- Excellent Blade Life
- Concrete, Ductile Iron and Light Steel Applications

Item #	Size	Segment Height	List Price
HSM12125	12" x .125 x 1/20mm	12mm	\$373.33
HSM14125	14" x .125 x 1/20mm	12mm	\$410.00
HSM14125-20	14" x .125 x 20mm	12mm	\$410.00
HSM16125	16" x .125 x 1/20mm	12mm	\$676.67





DUCTILE IRON

- Dry/Wet Use
- Silicon Carbide Sides for Reduced Binding
- Ductile Iron and Cast Iron Applications

Item #	Size	Segment Height	List Price
HDI12125	12" x .125 x 1/20mm	5mm	\$461.67
HDI14125	14" x .125 x 1/20mm	5mm	\$486.67
HDI14125-20	14" x .125 x 20mm	5mm	\$486.67
HDI16125	16" x .125 x 1/20mm	5mm	\$616.67



DEMOLITION

- Dry/Wet Use
- Ductile Iron, Cast Iron, PVC Plastic, Wood and Steel Studs, RR Rail, Rebar and other Steel Products

Item #	Size	Segment Height	List Price
HD12125	12" x .125 x 1/20mm	5mm	\$490.00
HD14125	14" x .125 x 1/20mm	5mm	\$530.00
HD14125SC*	14" x .125 x 1/20mm	5mm	\$576.67
HD16140	16" x .140 x 1/20mm	5mm	\$640.00

*with silicon carbide sides for reduced binding



FIRE AND RESCUE

- Dry/Wet Use
- Carbide Tipped Blade
- Wood and Steel Studs, Fire Doors, Sheet Metal and Emergency Car Entry

Item #	Size	Segment Height	List Price
HFR12140	12" x .140 x 1/20mm	8mm	\$486.67
HFR14155	14" x .155 x 1/20mm	8mm	\$580.00



WET CUTTING ONLY FLOOR SAW BLADES

HEAVY DUTY

Concrete • 10mm Segment Height

Item #	Description	Price
FHW18140	18" x .140 x 1" Cured Concrete Up to 20 HP	\$850.00
FHW20160	20" x .160 x 1" Cured Concrete Up to 35 HP	\$943.33
FHW24175	24" x .175 x 1" Cured Concrete Up to 65 HP	\$1353.33
FHW26165	26" x .165 x 1" Cured Concrete Up to 65 HP	\$1793.33
FHW30175	30" x .175 x 1" Cured Concrete Up to 65 HP	\$1850.00
FHW36175	36" x .175 x 1" Cured Concrete Up to 65 HP	\$2383.33



Asphalt • 10mm Segment Height

Item #	Description	Price
FHWA18165	18" x .165 x 1" Asphalt/Asphalt Over Concrete Up to 20 HP	\$923.33
FHWA20165	20" x .165 x 1" Asphalt/Asphalt Over Concrete Up to 35 HP	\$983.33
FHWA24165	24" x .165 x 1" Asphalt/Asphalt Over Concrete Up to 65 HP	\$1500.00
FHWA26165	26" x .165 x 1" Asphalt/Asphalt Over Concrete Up to 65 HP	\$1820.00
FHWA30175	30" x .175 x 1" Asphalt/Asphalt Over Concrete Up to 65 HP	\$2016.67
FHWA36187	36" x .187 x 1" Asphalt/Asphalt Over Concrete Up to 65 HP	\$2563.33



PREMIUM

Concrete • 10mm Segment Height

Item #	Description	Price
FPW14250	14" x .250 x 1" Cured Concrete Up to 65 HP	\$1433.33

Asphalt • 10mm Segment Height

Item #	Description	Price
FPWA14250	14" x .250 x 1" Asphalt/Asphalt over Concrete Up to 65 HP	\$1883.33

- Additional Sizes Available
- Custom Blades Made to Your Specifications



WET CUTTING CORE BITS

Specifications

BP5 - Lightly Reinforced/Cured Concrete

BP3 - Heavily Reinforced/Hard Concrete

BP7 - Asphalt and Block

- Standard Length 14"
- Segment Height 10mm
- Additional Sizes & Lengths Available
- Custom Core Bits to Your Specifications

Diameter	Arbor	BP5 Item #	List Price	BP3 Item #	List Price	BP7 Item #	List Price
1/2"	5/8"-11	BP5012	\$146.00	-	-	-	-
5/8"	5/8"-11	BP5058	\$152.50	-	-	-	-
3/4"	5/8"-11	BP5034	\$159.00	-	-	-	-
7/8"	5/8"-11	BP5078	\$164.00	-	-	-	-
1"	5/8"-11	BP51	\$170.00	BP31	\$175.00	BP71	\$ 180.00
1 1/8"	5/8"-11	BP5118	\$176.68	BP3118	\$200.00	BP7118	\$ 200.00
1 1/4"	5/8"-11	BP5114	\$194.00	BP3114	\$215.33	BP7114	\$ 220.00
1 1/2"	5/8"-11	BP5112	\$200.00	BP3112	\$220.67	BP7112	\$ 230.00
1 3/4"	1 1/4"-7	BP5134	\$230.67	BP3134	\$246.00	BP7134	\$ 250.00
2"	1 1/4"-7	BP52	\$256.33	BP32	\$266.50	BP72	\$ 270.00
2 1/4"	1 1/4"-7	BP5214	\$268.67	BP3214	\$292.17	BP7214	\$ 300.00
2 1/2"	1 1/4"-7	BP5212	\$286.00	BP3212	\$307.50	BP7212	\$ 340.00
3"	1 1/4"-7	BP53	\$356.00	BP33	\$380.00	BP73	\$ 400.00
3 1/4"	1 1/4"-7	BP5314	\$387.00	BP3314	\$410.00	BP7314	\$ 430.00
3 1/2"	1 1/4"-7	BP5312	\$396.00	BP3312	\$445.00	BP7312	\$ 465.00
4"	1 1/4"-7	BP54	\$439.00	BP34	\$480.00	BP74	\$ 500.00
4 1/2"	1 1/4"-7	BP5412	\$528.00	BP3412	\$600.00	BP7412	\$ 625.00
5"	1 1/4"-7	BP55	\$621.00	BP35	\$700.00	BP75	\$ 725.00
5 1/2"	1 1/4"-7	BP5512	\$725.00	BP3512	\$750.00	BP7512	\$ 775.00
6"	1 1/4"-7	BP56	\$750.00	BP36	\$800.00	BP76	\$ 820.00
6 1/2"	1 1/4"-7	BP5612	\$956.00	BP3612	\$975.00	BP7612	\$1000.00
7"	1 1/4"-7	BP57	\$1000.00	BP37	\$1025.00	BP77	\$1050.00
8"	1 1/4"-7	BP58	\$1050.00	BP38	\$1100.00	BP78	\$1120.00
9"	1 1/4"-7	BP59	\$1266.00	BP39	\$1300.00	BP79	\$1400.00
10"	1 1/4"-7	BP510	\$1312.00	BP310	\$1400.00	BP710	\$1500.00
12"	1 1/4"-7	BP512	\$1466.00	BP312	\$1700.00	BP712	\$1800.00
14"	1 1/4"-7	BP514	\$1800.00	BP314	\$1900.00	BP714	\$2025.00
16"	1 1/4"-7	BP516	\$2600.00	BP316	\$2700.00	BP716	\$2800.00





DRY CUTTING CORE BITS

- Standard Length 9"
- Brick, Block, and Masonry Applications

Diameter	Arbor	Item #	Segment Ht.	List Price
1"	5/8"-11	BD1	10mm	\$143.50
1 1/4"	5/8"-11	BD114	10mm	\$153.75
1 1/2"	5/8"-11	BD112	10mm	\$179.38
1 3/4"	5/8"-11	BD134	10mm	\$205.00
2"	5/8"-11	BD2	10mm	\$220.38
2 1/4"	5/8"-11	BD214	10mm	\$225.50
2 1/2"	5/8"-11	BD212	10mm	\$246.00
3"	5/8"-11	BD3	10mm	\$287.00
3 1/2"	5/8"-11	BD312	10mm	\$317.75
4"	5/8"-11	BD4	10mm	\$348.50
4 1/2"	5/8"-11	BD412	10mm	\$420.25
5"	5/8"-11	BD5	10mm	\$461.25
6"	5/8"-11	BD6	10mm	\$589.38



BIT EXTENSIONS

Length	Bit Size	Thread	Item #	List Price
6"	Up to 1 1/2"	5/8" - 11	BER65811	\$152.67
6"	1 3/4" - up	1 1/4" - 7	BER61147	\$191.67
12"	Up to 1 1/2"	5/8" - 11	BER125811	\$168.00
12"	1 3/4" - up	1 1/4" - 7	BER121147	\$225.50

* Extensions not available on core bits less than 1" diameter



BIT ADAPTORS

Female	Male	Item #	List Price
1 1/4" - 7	5/8" - 11	BA11458	\$123.00
5/8" - 11	1 1/4" - 7	BA58114	\$113.33



BA58114 BA11458



Segmented Blades

STANDARD

Item #	Size	Segment Ht.	List Price
PS54	4" x .080 x 5/8-7/8"	10mm	\$32.80
PS545	4 1/2" x .080 x 5/8-7/8"	10mm	\$38.95
PS55	5" x .080 x 5/8-7/8"	10mm	\$47.15
PS56	6" x .080 x 5/8-7/8"	10mm	\$56.33
PS57	7" x .090 x 5/8-7/8"	10mm	\$78.93
PS58	8" x .090 x 5/8-7/8"	10mm	\$91.33
PS59	9" x .100 x 5/8-7/8"	10mm	\$97.33
PS510	10" x .100 x 5/8-7/8"	10mm	\$101.48



- Dry/Wet Use
- Very Good Blade Life
- Concrete, Brick, Block, Stone and Masonry Applications

PREMIUM TURBO

Item #	Size	Segment Ht.	List Price
PP54	4" x .080 x 5/8-7/8"	8mm	\$68.68
PP545	4 1/2" x .080 x 5/8-7/8"	8mm	\$77.00
PP56	6" x .090 x 5/8-7/8"	8mm	\$123.00
PP57	7" x .090 x 5/8-7/8"	8mm	\$153.83
PP58	8" x .090 x 5/8-7/8"	8mm	\$184.50
PP510	10" x .090 x 5/8-7/8"	8mm	\$256.25



- Dry/Wet Use
- Excellent Blade Life
- Concrete, Brick, Block, Stone and Masonry Applications

Continuous Rim Turbo Blades

STANDARD

Item #	Size	Segment Ht.	List Price
PST4	4" x .085 x 5/8-7/8"	10mm	\$37.00
PST45	4 1/2" x .085 x 5/8-7/8"	10mm	\$43.00
PST6	6" x .090 x 5/8-7/8"	10mm	\$65.60
PST7	7" x .090 x 5/8-7/8"	10mm	\$69.67
PST8	8" x .090 x 5/8-7/8"	10mm	\$93.33
PST10	10" x .100 x 5/8-7/8"	10mm	\$136.33



- Dry/Wet Use
- Very Good Blade Life
- Granite, Marble, Concrete, Brick, Block, Stone, Tile and Masonry Applications

PREMIUM

Item #	Size	Segment Ht.	List Price
PPT4	4" x .080 x 5/8-7/8"	8mm	\$68.68
PPT45	4 1/2" x .080 x 5/8-7/8"	8mm	\$77.00
PPT6	6" x .080 x 5/8-7/8"	8mm	\$94.33
PPT7	7" x .090 x 5/8-7/8"	8mm	\$153.73
PPT8	8" x .090 x 5/8-7/8"	8mm	\$184.50
PPT10	10" x .090 x 5/8-7/8"	8mm	\$307.50



- Dry/Wet Use
- Excellent Blade Life with Undercut Protection
- Granite, Marble, Concrete, Brick, Block, Stone, Tile and Masonry Applications



Tuck Point Blades

PREMIUM

Item #	Size	Segment Ht.	List Price
PPTP4250	4" x .250 x 5/8-7/8"	10mm	\$123.00
PPTP4375	4" x .375 x 5/8-7/8"	10mm	\$179.33
PPTP45250	4 1/2" x .250 x 5/8-7/8"	10mm	\$138.33
PPTP45375	4 1/2" x .375 x 5/8-7/8"	10mm	\$194.83
PPTP7250	7" x .250 x 5/8-7/8"	10mm	\$241.00
PPTP7375	7" x .375 x 5/8-7/8"	10mm	\$302.33

- Dry/Wet Use
- Excellent Blade Life
- For Cleaning Mortar Joints
- Concrete and Masonry Applications



Crack Chaser Blades

PREMIUM

Item #	Size	Segment Ht.	List Price
PPCC4	4" x .375 x 5/8-7/8"	13mm	\$235.67
PPCC45	4 1/2" x .375 x 5/8-7/8"	13mm	\$256.25
PPCC7	7" x .375 x 5/8-7/8"	13mm	\$302.40

- Dry/Wet Use
- Excellent Blade Life
- For Cleaning/ Routing
- Concrete and Masonry Applications



Tile Blades

PREMIUM

Item #	Size	Segment Ht.	List Price
TP4	4" x .060 x 5/8-7/8"	8mm	\$33.83
TP45	4 1/2" x .060 x 5/8-7/8"	8mm	\$42.00
TP6	6" x .060 x 5/8"	10mm	\$62.50
TP7	7" x .060 x 5/8"	10mm	\$71.75
TP8	8" x .060 x 5/8"	10mm	\$87.17
TP9	9" x .060 x 5/8"	10mm	\$97.33
TP10	10" x .060 x 5/8"	10mm	\$102.50
TP12	12" x .080 x 1"	10mm	\$256.25
TP14	14" x .090 x 1"	10mm	\$307.50

- Wet Use Only
- Excellent Blade Life
- Continuous Rim
- All Types of Ceramic and Porcelain Tile Applications





Single Row

- Dry/Wet Use
- **12 segments** - Single Row for Rough Surface Grinding



Double Row

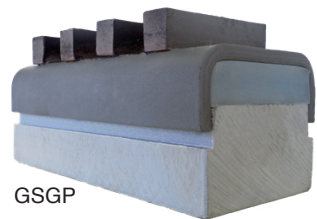
- **24 segments** - Double Row for Fine Surface Grinding
- Concrete, Masonry



- Dry/Wet Use
- Turbo segments for smoother grinding applications
- Concrete, Masonry



- Dry/Wet Use
- Concrete, Masonry
- For Use on 10" Turbo Grinders



GSGP

- Dry/Wet Use
- For Use on Single and Dual Disc Floor Grinders
- Grinding Concrete, Epoxies, Terrazzo, Urethanes, Sealers, or Mastic Stains
- Standard 30/40 Grit in All Sizes



GSGPL

Cup Wheels

PREMIUM

Item #	Size	Segment Ht.	List Price
PPC4S	4" x 5/8"-11 (12 segments)	5mm	\$112.75
PPC7S	7" x 5/8"-11 (12 segments)	5mm	\$204.00
PPC4D	4" x 5/8"-11 (24 segments)	5mm	\$182.50
PPC7D	7" x 5/8"-11 (24 segments)	5mm	\$311.60

PREMIUM SEGMENTED TURBO

Item #	Size	Segment Ht.	List Price
PPCST4	4" x 5/8"-11 (16 segments)	5mm	\$126.00
PPCST7	7" x 5/8"-11 (24 segments)	5mm	\$298.33

Grinding Disc

PREMIUM

Item #	Size	Segment Ht.	List Price
FGD10	10" x 19mm (20 segments)	8mm	\$565.00

Grind-Serts

PREMIUM

Item #	Description	Segment Ht.	List Price
GSGP	General Purpose Grind-Sert & Wedge	12mm	\$330
GSGPL	General Purpose Wedgeless Grind-Sert	12mm	\$330
GSGC	Green Concrete Grind-Sert & Wedge	12mm	\$330
GSHC*	Hard Concrete Grind-Sert & Wedge	12mm	\$330
GSGP-TB	6 GSGP, 6 Wedges, Hammer, Punch in Toolbox	12mm	\$2200
GSGC-TB	6 GSGC 6 Wedges, Hammer, Punch in Toolbox	12mm	\$2200
GSHC-TB	6 GSHC, 6 Wedges, Hammer, Punch in Toolbox	12mm	\$2200

* additional, finer grits available for GSHC



CORE DRILL

- Carry Case Included
- Water Swivel, Bubble Level, and Assistant Handle
- Friction Clutch
- 5/8" - 11 Bit Adaptor and Quick Connect Included
- 2 Speed Motor
- 3" Bit Capacity (6" Mounted)
- Weighs 21 lbs

Model	Technical Data	Speed Range	Item #	List Price
HD-1 Hand-held Drill	Pistol Grip Wet or Dry Drilling 10V, 1500 Watts, 15 Amp	950/2100 RPM	HD-1	\$725



CORE DRILL WITH STAND

- 6" Bit Capacity (3" Handheld)
- Anchor Only
- Handle Mounts on Both Sides
- Carriage lock
- Stroke: 19"
- Weighs only 43lbs. (Stand 22lbs, Drill 21 lbs.)

Core Bit NOT Included

Model	Technical Data	Speed Range	Item #	List Price
HD-1 Hand-held Drill with Stand	See Above for HD-1 Base for Anchor Only 60mm Ring Collar for Rig Mounting	950/2100 RPM	HD-1 DS10	\$1140

GAS POWERED UTILITY CHAINSAW



Feature & Benefits

- Longer chain life with Force4 Technology
- Ultimate versatility and power
- Also operates ProForce chain
- Highest horsepower for ductile iron

695XL-PG

Built to provide the best combination of performance and portability for cutting in-ground utility pipe, the 695XL-PG Gas-Powered Utility Chain Saw with PowerGrit chain will change the way you cut pipe. The 695XL-PG offers an unmatched power to weight ratio, allowing you to cut up to 16" deep from one side into ductile iron, cast iron, PVC, HDPE, and Insituform lining. Also the 695XL-PG is capable of operating the full line of 16" ProFORCE concrete cutting chains, meaning you can use the saw on masonry, stone, and even reinforced concrete - perfect for pipe taps, utility vaults, bridge work, and other utility applications.



Part Number	Description
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575826

ICS 695XL F4 Powerhead

575827

ICS 695XL-16 PG Gas Saw Package with 16" FORCE4 Guidebar and PowerGrit chain

Technical Specifications

Weight	21 lbs/9.6 kg (without bar and chain)
Bar Length	Up to 16" (40 cm)
Engine Speed	11500 +/- 500 rpm, 2500-2800 rpm idle
Powerhead Dimensions	19 inches (48 cm) Length 14 inches (36 cm) Height 12 inches (30 cm) Width
Horsepower	6.4 @9000 rpm
Engine Type	2-stroke, single cylinder, air cooled
Displacement	5.7 cu. inch (94 cc)
Fuel Mix Ratio	50:1 (2%) fuel-to-oil
Water Supply	Minimum of 20psi (1.5 bar)



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HYDRAULIC-POWERED UTILITY CHAIN SAW



Feature & Benefits

- Also operates ProFORCE diamond chain
- Increased safety
- Better operator control
- Reduced excavation
- Versatility

890-PG

If you're looking for the highest level of performance and cutting capability, look no further. The 890PG Hydraulic-Powered Utility Chain Saw offers cutting depths up to 25" in ductile iron, cast iron, PVC, HDPE, and Instituform lining. The deep cutting ability of the 890PG with PowerGrit utility chain, allows the operator to make a single cut from one side meaning less excavation is required. The 890PG is also capable of operating the full-line of 890F4 ProFORCE concrete cutting chains, meaning you can use the saw on masonry, stone, and even reinforced concrete - perfect for pipe taps, utility vaults, bridge work, and other utility applications.

Part Number	Description
566123	ICS 890PG-15 Saw Package 8 gpm, 15 inch Guidebar, PowerGrit chain, 1 ft hose whips, case
566710	ICS 890PG-15 Saw Package 8 gpm, 15 inch Guidebar, PowerGrit chain, 8 ft hose whips, case
566125	ICS 890PG-15 Saw Package 12 gpm, 15 inch Guidebar, PowerGrit chain, 1 ft hose whips, case
566712	ICS 890PG-15 Saw Package 12 gpm, 15 inch Guidebar, PowerGrit chain, 8 ft hose whips, case
566124	ICS 890PG-20 Saw Package 8 gpm, 20 inch Guidebar, PowerGrit chain, 1 ft hose whips, case
566711	ICS 890PG-20 Saw Package 8 gpm, 20 inch Guidebar, PowerGrit chain, 1 ft hose whips, case
566126	ICS 890PG-20 Saw Package 12 gpm, 20 inch Guidebar, PowerGrit chain, 1 ft hose whips, case
566716	ICS 890PG-20 Saw Package 12 gpm, 20inch Guidebar, PowerGrit chain, 8 ft hose whips, case

	Technical Specifications	
	8 GPM	12 GPM
Weight	27.3 lbs/12.4 kg with 15-inch (38 cm) bar and chain	
Bar Length	Up to 25" (63cm)	
Motor Speed	6100 rpm	6500 rpm
Powerhead Dimensions	23 inches (58.5 cm) Length 10.5 inches (26.5 cm) Height 9.5 inches (24 cm) Width	
Torque	122 in-lbs (13.8 Nm)	170 in-lbs (19.2 Nm)
Horsepower	11.5 hp (8.5 kW)	17.5 hp (13 kW)
Hydraulic Supply	8 gpm (30 lpm), 2500 psi (172.5 bar)	12 gpm (45 lpm), 2500 psi (172.5 bar)
Noise Level	107 dB @ 3 ft (1m)	
Water Supply	Minimum 20 psi (1.5 bar)	



Contact Us For Additional ICS Products



*See optional accessories pricing for pictured lifting bail.

FLOOR SAWS

- Low resistance manual crank lift with locking mechanism
- Retractable handle for convenient transport
- Welded frame box construction
- Quick release blade arbors make it easy to remove & install blades and eliminate arbor damage caused by inadequate tightening of the arbor nut
- Easily adjustable engine plate for quick & easy belt tensioning
- Honda power & reliability

Model	List Price
FS-1	\$2750.00
FS-2	\$2660.00

Optional Accessories	
Lifting Bail	\$300
Lifting Bail with 5 Gal Water Tank	\$460

Model	FS-1	FS-2
Blade Capacity (in)	18	14
Operating Weight (lbs)	288	188
Dimensions LxWxH (in)	42x24x37	36x21x36
Blade Collar Dia. (in)	4	3 1/2
Arbor Belts	(3) Cog V Belts	(3) Cog V Belts
Wheel Diameter (in)	R-6" F-4"	R-8" F-4"
Engine Make/Model	Honda GX390	Honda GX390
Engine Power (hp)	13.0	13.0
Air Cleaner Type	Cyclone	Cyclone
Engine Type	4-Stroke	4-Stroke

Loss of Tension

Cause:	Blade is used on a misaligned saw.
Remedy:	Check for proper saw alignment.
Cause:	Blade is excessively hard for the material being cut, creating stress on the steel center.
Remedy:	Make certain that blade is correct for material being cut.
Cause:	Utilizing blade flanges that are under size or not the same diameter, creating uneven pressure on center.
Remedy:	Make certain that blade flanges are proper size and identical diameter.
Cause:	Blade is used at improper RPM.
Remedy:	Make certain blade shaft is turning at proper RPM by using a Tachometer -especially important with concrete saws.
Cause:	Blade core is overheating from lack of side clearance due to uneven or too rapid segment wear.
Remedy:	Specify a blade with a greater side clearance or a specification more suited to material being cut.
Cause:	Segments worn on one side reducing side clearance, usually caused by misalignment of saw or lack of water on both sides of blade.
Remedy:	Check saw alignment. Clean water system, making certain water is properly applied to leading edge of flanges.
Cause:	Blade worn out of round due to bad bearings, worn arbor, missing bushing, arbor hole too large, or dirty flange surface.
Remedy:	Replace bearings or worn arbor. Inspect flanges for damage and foreign materials. Do not remove drive pins with blade flanges.

Excessive Wear

Cause:	Using wrong blade on highly abrasive material. (i.e. tile blade on concrete block.)
Remedy:	Consult dealer or manufacturer for proper blade specification for abrasive material.
Cause:	Blade not perpendicular to material being cut.
Remedy:	Check blade shaft & flanges to ensure proper alignment of blade & equipment.
Cause:	Blade shaft RPM too low.
Remedy:	Check operating RPM of blade shaft and change equipment or blade shaft speed.

Cracked Segments

Cause:	Blade too hard for material being cut.
Remedy:	Use a blade with a softer bond.

Cracked Core

Cause:	Blade too hard for material being cut.
Remedy:	Use correct blade with softer bond.
Cause:	Excessive cutting pressure/or twisting blade in cut can cause blade core to bend and will cause core to eventually crack.
Remedy:	Saw operator should use steady, even pressure, being careful not to twist or jam the blade in cut.
Cause:	Overheating through inadequate water supply or improper use of dry cutting blades.
Remedy:	Use adequate water to cool wet cutting diamond blades and allow airflow around dry cutting blades to prevent overheating.
Cause:	RPM is too high.
Remedy:	Check the operating RPM of the blade shaft.

Segment Loss

Cause:	Material slips during cutting, twisting or jamming segments loose.
Remedy:	Hold material securely while cutting
Cause:	Blade is too hard for material being cut, causing dullness, which causes segment to pound off.
Remedy:	Use a softer blade specification.
Cause:	Out of round blade rotation results in pounding, caused by worn arbor or bad bearings in shaft.
Remedy:	Replace worn arbor and/or bearings.
Cause:	Overheating - Usually seen as bluish color on steel center, around area where segment was lost.
Remedy:	Check water system for blocked passages. Test pump. For dry cuts make shallow cuts & let blade run free every few minutes to air cool
Cause:	Segment is jolted while moving machine or contacting material being cut.
Remedy:	Avoid jarring blade when moving machine. Contact material with slow, even movements.

Overheated Blade

Cause:	Adequate coolant was not provided.
Remedy:	Check water supply. Use dry blades only for shallow cutting/step cutting. Allow blade to run free every 10-15 seconds for cooling airflow.
Cause:	Using improper specification for material being cut.
Remedy:	Consult specification chart for proper blade.
Cause:	Cutting speed is too fast.
Remedy:	Reduce speed of advance.

Blade Won't Cut

Cause:	Blade is too hard for materials being cut. (i.e.: general purpose blade used on hard brick or asphalt blade used to cut hard concrete.)
Remedy:	Consult dealer or manufacturer for proper blade to cut materials on job.
Cause:	Blade has become dull because of continuous use on hard or vitrified material.
Remedy:	Put blade into abrasive material until diamonds expose again. If happens often, blade is probably too hard for material.
Cause:	Blade segments appear to have life, but blade will not cut.
Remedy:	Some hard bond blades used for abrasive materials have a non-diamond section at base of segment to adhere to core. Replace blade.
Cause:	Tool becomes glazed due to excessive RPM
Remedy:	Match tool specification and diameter to the machine
Cause:	Tool glazed due to inadequate pressure against material being cut
Remedy:	Use proper pressure to keep blade sharpened, but avoid excess of pressure.

1. WARNING!!!

IMPROPER USE MAY CAUSE GRINDING WHEEL BREAKAGE AND SERIOUS INJURY.

CAUTION: Comply with American National Standards Institute Code B7.7. Occupational Safety and Health Act and Safety Guide with Packaging.

DON'T OVERSPEED, ABUSE, OR DROP WHEEL. ALWAYS USE GUARD, PERSONAL PROTECTIVE EQUIPMENT AND PROPER MOUNTING PROCEDURES.

2. WARNING!!!

AIRBORNE PARTICULATES AND FUMES GENERATED BY THE GRINDING PROCESS MAY CAUSE INJURY TO THE EYES AND SKIN AND SERIOUS RESPIRATORY ILLNESS.

These airborne concentrations are produced by the material being ground, the coolant and the grinding wheel. Consult the SAFETY DATA SHEETS for each material involved in the process. Always use adequate ventilation, dust control and NIOSH and MSHA approved personal protective equipment appropriate for the grinding process involved.

TIPS FOR USING DIAMOND SAW BLADES

DO

1. Do make sure area where blade is being used is well ventilated.
2. Do inspect new blades for any damage in shipping.
3. Do inspect a used blade for the following:
 - Worn or enlarged arbor
 - Cracked segments
 - Stress cracks in steel core
 - Dished or warped steel core
4. Do inspect a used blade for proper relief of segment to steel core. The diamond segment should overlap the steel core on each side at least .005".
5. Do inspect a used blade for undercutting of the steel core.
6. Do check the proper RPM speed for blade size and specification.
7. Do check blade specification and follow manufacturer's recommendations for material it will cut.
8. Do use proper safety equipment when operating a saw; safety glasses, hard hat, hearing protection and breathing protection.
9. Do make shallow cuts with blade to avoid over heating the steel core.

DON'T

1. Don't use blades not recommended for a material to be cut.
2. Don't plunge or rip cut with a dry blade. Use shallow cuts or short passes. Let air cool the core.
3. Don't force blade into cut. Let the blade do the cutting.
4. Don't use with improper blade guard.
5. Don't use without safety protection; eye, ear and breathing protection.
6. Don't use a blade with any of the following:
 - Worn or enlarged arbor
 - Cracked segments
 - Stress cracks in steel core
 - Dished or warped steel core
7. Don't grind or side grind with a cut-off blade.
8. Don't cut radius or let blade jam or deflect in cut.
9. Don't use a diamond blade that does not have proper relief between the segment and the steel core. The diamond segment should overlap the steel core on each side by at least .005".
10. Don't use a blade on a saw that does not have proper RPM for that size and specification.

HOW TO PLACE ORDERS

Toll Free 1-866-816-8073
Fax 1-980-237-2873
Email orders@cutterdiamond.com

Our Customer Service will need:

Company Name, Billing Address, Purchase Order Number, and Shipping Information

Customer Service Policies

Freight Policy:

Orders for over \$300.00 net are FOB Destination via Ground or Truck. Expedited shipping (i.e. overnight or 2nd day air), regardless of order amount, is always FOB Factory. All equipment and parts orders are always FOB Factory.

Sales Tax:

Sales tax will be charged where applicable unless a tax exempt certificate is provided.

Returns:

Items returned should be carefully packaged and accompanied by a packing slip with the following information: Your company name, address and phone number; list of items for return; return goods authorization; explanation of return; original invoice number.

Replacement or Refund:

All catalog items returned to stock are subject to a 20% restocking fee. Non-catalog items, special order items and any items beyond 90 days from the original invoice date are subject to a mandatory 50% restocking fee. Discontinued items and/or items purchased beyond one year from the original invoice date cannot be returned. Items returned for replacement or refund should be in original cartons and must be accompanied by a packing slip with the following information: Your company name, address and phone number; list of items for return; return goods authorization; explanation of return; and the original invoice number.

WARRANTY INFORMATION

Cutter Diamond Products warranties all of its products against possible defects in workmanship. The following is a list of warranties by product:

- Diamond blades, core bits and accessories: 1 year from date of purchase
(All laser welded blades and bits are warranted against segment loss due to weld failure)
- FS-1, FS-2: 1 year from date of purchase
- HD-1 Core Drill, DS10 Drill Stand: 90 days from date of purchase
- Parts: 90 days from date of purchase

Determination of the applicability of warranty will be made after the product is inspected by our Warranty Claims Department. The warranty does not cover any product which is determined to have been used in an improper application, subjected to negligent abuse, improperly mounted, altered, involved in a non-application accident or miscellaneously damaged.

Any product covered under this warranty will be repaired or replaced free of charge, to include all labor, parts and shipping costs via Ground shipment. Proof of purchase in the form of an invoice showing the date of purchase must accompany all warranty claims. Cutter Diamond Products reserves the right to prorate any warranty claim based upon a percentage of product life prior to the failure in question.

Cutter

Diamond Products

QUALITY PRODUCTS

CONVENIENT ORDERING

TIMELY SHIPPING

EXPERT TECHNICAL ADVICE

PRODUCT TRAINING

SATISFACTION GUARANTEED



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