

Designed & Made in the USA — Price List, 2017



Quick Change Metal Bond



Concrete & Stone



Concrete Grinding

Coating Removal

Resin & Hybrid Polishing Pads

Optimize Your Productivity, Quality Finished Product, Diamond Life — Choose the Correct Diamond Bond

When choosing the correct diamond tooling it is crucial to match the diamond's bond to the density of the concrete you are working on as well as your machine's weight.

While 80% of concrete can be ground or polished with medium (neutral) bond diamonds, there will be times when you'll need a different strength bond to be effective.

Hard concrete means soft bond tooling is required. If a medium bond diamond is not cutting fast enough or is glazing over, you need to move to a softer bond diamond.

Soft concrete means hard bond tooling is required. If you have a diamond that is wearing too quickly, you will need to select a harder bond in order to increase life span and production.

Bonding Matrix of a Diamond – The metals in the diamond matrix hold the diamond crystals firmly in place. The metals consists of:

- Average Concrete - iron, cobalt, nickel.
- Hard Concrete - up to 80% tungsten carbide and other harder metals.
- Soft Concrete - bronze, brass.

Concrete Grinding

MAGNETIC QUICK-CHANGE DIAMOND TOOLING

Our Magnecitic QuickChange system features replaceable trapezoid-style pads that snap easily in and out of the machine plates or heads with no bolting required, even when switching from metals to resins! QC metal tools are offered in separate bonds for hard, super hard, medium or soft concrete.



Strong earth magnets (3) secure the individual Trapezoid diamonds. A screwdriver is used to pry the trapezoid from the magnetic base.

TOOLING TIPS

- *Double Round Segment Tools* - our premium series of diamond tools that gives you more diamond for your money. The dual round segment design provides more grinding surface for faster grinding and the round shape minimizes damage to tools and machine.
- *Double Bar Segment Tools* - our more aggressive diamond cutting tool.
- *Single Round Segment Tools* - same high quality diamonds, just less. Recommended for lower footage projects and lightweight machines (under 25").
- *Single Bar Segment Tools* - same high quality diamonds, just less. Recommended for lightweight machines (under 25"). TIP: For more aggressive cutting use the single bar segment tool during the first grinding step on all machines.



BOND HARDNESS CHART

> 5500 PSI CONCRETE	4000 - 5500 PSI CONCRETE	3000 - 4000 PSI CONCRETE	< 2500 PSI CONCRETE
EXTRA SOFT BOND DIAMOND	SOFT BOND DIAMOND	MEDIUM BOND DIAMOND	EXTRA HARD BOND DIAMOND
Grey For Extra Hard Concrete Concrete with a PSI greater than 5500 is considered to be super hard, including floors that have been power troweled or burned, we recommend using our Extra-Soft Bond / Grey Color.	Red For Hard Concrete Concrete with a PSI between 4000 and 5500 is considered to be hard, including floors that have been power troweled or burned, we recommend using our Soft Bond / Red Color	Yellow For Medium Hard Concrete Concrete with a PSI between 3000 and 4000 is considered to be medium or average strength, and we recommend using our Medium Bond / Yellow Color.	Blue For Soft Concrete Concrete with a PSI under 2500 is considered to be soft, and we recommend using our Hard Bond / Blue Color; and also for coating and epoxy removal.

Diamond Tooling — Floor Machines



“Magnetic” Quick Change — Metal Grinding. Fits following grinders –

Segment Type	Bond	Grit	Unit Price	Price Set (9)	Avenger
Double Bar Aggressive. Cuts Fast, Leaves More Scratches.	Extra-Soft	16/18	\$23.00	\$207.00	 25,000 Sq Ft / Set
	Soft	30/40	\$17.00	\$153.00	
	Medium	60/80			
	Hard	120/150			
Double Round Best for Prepping, Polishing. Leaves Less Scratches.	Extra-Soft	16/18	\$25.00	\$225.00	 25,000 Sq Ft / Set
	Soft	30/40	\$23.00	\$207.00	
	Medium	60/80			
	Hard	120/150			
PCD - Dual Quarter Round w Diamond Bar	Coatings Removal 10,000 - 11,000 Sq Ft.		\$29.00	\$261.00	
PCD - Full Round	HD Coating Removal 11,000 - 15,000 Sq Ft.		\$55.00	\$495.00	

Segment Type	Bond	Grit	Unit Price	Price Set (9)	All Grinders M6 Multi-Hole Pattern - fits Most Grinders
3" Bevel Edge - XL Life, Minimal, Uniform Scratch Pattern.	Extra-Soft	16/18	\$55.00	\$495.00	— BOLT ON — 
	Soft	30/40	\$53.00	\$477.00	
	Medium	60/80			
	Hard	120/150			

Diamond Tooling — Floor Machines



“Magnetic” Quick Change — Metal Grinding. Fits following grinder –

* Made to Order - Three Weeks to Ship.

Segment Type	Bond	Grit	Unit Price	Price Set (9)	Lavina
* Double Bar Aggressive. Cuts Fast, Leaves More Scratches.	Extra-Soft	16/18	\$30.00	\$270.00	 25,000 Sq Ft / Set
	Soft	30/40	\$27.00	\$243.00	
	Medium	60/80			
	Hard	120/150			
Double Round Best for Prepping, Polishing. Leaves Less Scratches.	*Extra-Soft	16/18	\$34.00	\$306.00	 25,000 Sq Ft / Set
	Soft	30/40	\$31.00	\$279.00	
	Medium	60/80			
	*Hard	120/150			
* Double Arrow Aggressive. OK for Coating Removal, Leaves More Scratches	Extra-Soft	16/18	\$31.00	\$279.00	 25,000 Sq Ft / Set
	Soft	30/40	\$28.00	\$252.00	
	Medium	60/80			
	Hard	120/150			
* Double PCD	Heavy-Duty Coating Removal. 11,000 - 15,000 Sq Ft.		\$75.00	\$675.00	

Segment Type	Bond	Grit	Unit Price	Price Set (9)	HTC
Double Bar Aggressive. Cuts Fast, Leaves More Scratches.	Extra-Soft	16/18	\$27.00	\$243.00	 25,000 Sq Ft / Set
	Soft	30/40	\$24.00	\$216.00	
	Medium	60/80			
	Hard	120/150			
* Double Round Best for Prepping, Polishing. Leaves Less Scratches.	Extra-Soft	16/18	\$30.00	\$270.00	 25,000 Sq Ft / Set
	Soft	30/40	\$27.00	\$243.00	
	Medium	60/80			
	Hard	120/150			
* PCD - Double w/ Diamond Bar	Heavy-Duty Coating Removal. 11,000 - 15,000 Sq Ft.		\$70.00	\$630.00	

Diamond Tooling — Floor Machines



“Magnetic” Quick Change — Metal Grinding. Fits following grinder –

* Made to Order - Three Weeks to Ship.

Segment Type	Bond	Grit	Unit Price	Price Set (9)	Husquvarna
Double Bar	*Extra-Soft	16/18	\$33.00	\$297.00	 25,000 Sq Ft / Set
	Soft	30/40	\$30.00	\$270.00	
	Medium	60/80			
	Hard	120/150			
Double Round	Extra-Soft	16/18	\$36.00	\$324.00	 25,000 Sq Ft / Set
	Soft	30/40	\$33.00	\$297.00	
	Medium	60/80			
	Hard	120/150			
* Double Arrow Aggressive. OK for Coating Removal, Leaves More Scratches	Extra-Soft	16/18	\$33.00	\$297.00	 25,000 Sq Ft / Set
	Soft	30/40	\$30.00	\$270.00	
	Medium	60/80			
	Hard	120/150			
PCD - Dual 1/4 with Sacrificial Bar	Coating Removal 11,000 - 15,000 Sq Ft		\$65.00	\$585.00	

Segment Type	Bond	Grit	Unit Price	Price Set (9)	ScanMaskin
Deer Bar Aggressive Formation Cuts Fast, Leaves More Scratches	Extra-Soft	16/18	\$28.00	\$252.00	 25,000 Sq Ft / Set
	Soft	30/40	\$25.00	\$225.00	
	Medium	60/80			
	Hard	120/150			
Steel Bauta Best for Prepping Polishing Leaves Less Scratches	* Extra-Soft	16/18	\$30.00	\$270.00	 25,000 Sq Ft / Set
	Soft	30/40	\$27.00	\$243.00	
	Medium	60/80			
	Hard	120/150			
* PCD Tiger Twin Sliver - Dual Half	Use On		\$80.00	\$720.00	
	Coatings Removal				
* PCD Gold - Dual Half	Use On		\$90.00	\$810.00	
	Coatings Removal				

Diamond Tooling — Floor Machines



“Magnetic” Quick Change — Metal Grinding. Fits following grinder –

* Made to Order - Three Weeks to Ship.

Segment Type	Bond	Grit	Unit Price	Price Set (9)	MasterCraft
Double Bar	* Extra-Soft	16/18	\$27.00	\$243.00	 25,000 Sq Ft / Set
	Soft	30/40	\$24.00	\$216.00	
	Medium	60/80			
	Hard	120/150			
Double Round	* Extra-Soft	16/18	\$32.00	\$270.00	 25,000 Sq Ft / Set
	Soft	30/40	\$29.00	\$243.00	
	Medium	60/80			
	Hard	120/150			
* PCD	Use On	Life Span	\$65.00	\$585.00	
Double 1/4 PCD Segments with Sacrificial Bar	General Coating Removal	11,000 to 15,000 Sq Ft			

Segment Type	Bond	Grit	Unit Price	Price Set (9)	STI, Terrco, PrepMaster
2" Diamond Plug - BAR * Aggressive Cuts Fast, Leaves More Scratches	Soft	16/18	\$50.00	\$243.00	 25,000 Sq Ft / Set
	Medium	30/40	\$47.00	\$216.00	
		60/80			
		120/150			
2" Diamond Plug - SOLID Best for Prepping, Polish Leaves Less Scratches	* Soft	16/18	\$50.00	\$270.00	 25,000 Sq Ft / Set
	Medium	30/40	\$47.00	\$243.00	
		60/80			
		* Hard			
2" Diamond Plug - ARROW Aggressive, OK for Coating Removal, Leaves Scratches	* Soft	* 16/18	\$58.00	\$522.00	 25,000 Sq Ft / Set
	Medium	30/40	\$55.00	\$495.00	
		* 60/80			
		* 120/150			
2" Diamond Plug - BEVEL 10 Segments	Beveled Edge, 10 Segments	16/18	\$58.00	\$522.00	 25,000 Sq Ft / Set
		30/40	\$55.00	\$495.00	
		60/80			
		120/150			

Diamond Tooling — Floor Machines

Velcro Backing — Semi-Metal & Resin Polishing Pads. Fits all floor grinders —



Hybrid 3" Semi-Metal / Transitional Pads for Concrete, Terrazzo, Stone

Used after Metal diamonds to remove their scratch pattern, followed by Resin diamonds (below). Run dry or wet after 60/80 grit metal bonds to produce excellent finish before 200 or 400 resin steps. Premium Long Life, High Productivity — 20,000 Sq Ft., 3" x 12mm Thickness. [Excellent Transition from Metal Bond Diamonds to Remove Scratches.](#)



GRITS: 50, 100, 200, 400, 800.

UNIT PRICE: \$17.00 per pad

Diacrete® Resin Pads — Diamond Polishing for Concrete, Terrazzo, Stone

Resin diamonds are what actually begins the polishing process. Diacrete® Resin Pads are the backbone of the polishing process, providing the winning combination of cost with superb results. High performance discs provide the best possible professional polish. Skipping grits or not spending enough time on each grit does not work and always yields unsatisfactory results. The Diacrete® Resin Pads are a complete, modern and effective system which proves its value time and time again.

3" x 10MM Pads — for medium and heavier weight polishing machines. Thick and heavy rubber backing made with a softer resin compound allows the diamonds to hit uneven floors and wear evenly. Run Dry or Wet. **Premium Resin Diamond Pads**- Longest life, highest productivity rates — 4500 SqFt per set.



GRITS: 50, 100, 200, 400, 800, 1500, 3000.

UNIT PRICE: \$14.00 per pad

Diamond Tooling — RPM Speeds

Improve Productivity, Results, Diamond Life by using the right RPM for each type of diamond.
Exceeding the RPM's will only wear the diamonds quicker and the quality of finish will be disappointing.

Metal Bonded Tooling Segments	400 - 500 RPM
PCD Tooling Segments	400 - 500 RPM
Transitional Semi-Metal Diamonds	550 - 650 RPM
50 Grit Resin Bonded Diamonds	550 - 650 RPM
100 Grit Resin Bonded Diamonds	600 - 650 RPM
200 Grit Resin Bonded Diamonds	650 - 700 RPM
400 Grit Resin Bonded Diamonds	700 - 800 RPM
800 Grit Resin Bonded Diamonds	850 - 1000 RPM
1500 - 3000 Grit Resin Bonded Diamonds	1100 - 1200 RPM



For information on the **USA Made Avenger Variable Speed** (300 - 1250 RPM) Floor Machines — Machine Sizes 10"-35" diameter, [Click Here](#) >