

HARDNESS CHART

Choosing the Correct Diamond Bond

It is crucial to the success of your grinding and polishing jobs to select the diamond bond which correctly matches the concrete density of the slab you are working on. While 80% of concrete can be ground or polished with medium bond diamonds, there will be many instances where you will need a different strength bond in order 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.

In our catalogue, you will find options for any slab or stone work that may require special tooling. Whether it be extra soft, soft, medium, hard or extra hard, wet or dry, there is an appropriate choice in the offering for you.

At Diamatic® we thank you for your consideration and patronage. We are 100% confident you will find our diamond tooling to be cutting edge, competitive and productive.

Go to ultraflor.com to see a step-by-step process to produce a polished floor. While you are there, you can download one of our specifications specially created to meet your customers needs or call (866) 295-5512 and get trained today!



BUFFALO DIAMOND WINGS

The Buffalo Diamond Wing is a premium metal bond segment featuring a 14 millimeter segment size. This larger segment, coupled a 30 to 35% diamond content makes the Buffalo Diamond Wing an industry leader in longevity and consistency. Buffalo Diamond Wings are perfect for coating removal and concrete preparation during the polishing process.

SUPER SOFT BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
BFL708320VS-2	18/20	Double	Super Soft	Gold
BFL708340VS-2	30/40	Double	Super Soft	Gold
BFL708380VS-2	60/80	Double	Super Soft	Gold

EXTRA SOFT BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
BFL708320XS-2	18/20	Double	Extra Soft	Black
BFL708340XS-2	30/40	Double	Extra Soft	Black
BFL708380XS-2	60/80	Double	Extra Soft	Black
BFL7083140XS-2	120/140	Double	Extra Soft	Black

SOFT BOND



PART NO.	GRIT	SEGMENTS	BOND	COLOR
DIA707320S-2	18/20	Double	Soft	Red
DIA707320S-2	18/20	Single	Soft	Red
BFL708340S-2	30/40	Double	Soft	Red
DIA707340S-2	30/40	Single	Soft	Red
BFL708380S-2	60/80	Double	Soft	Red
DIA707380S-2	60/80	Single	Soft	Red
BFL7083140S-2	120/140	Double	Soft	Red
DIA7073140S-2	120/140	Single	Soft	Red

MEDIUM BOND



PART NO.	GRIT	SEGMENTS	BOND	COLOR
DIA707320-2	18/20	Double	Medium	Green
DIA707320-2	18/20	Single	Medium	Green
BFL708340-2	30/40	Double	Medium	Green
DIA707340-2	30/40	Single	Medium	Green
BFL708380-2	60/80	Double	Medium	Green
DIA707380-2	60/80	Single	Medium	Green
BFL7083140-2	120/140	Double	Medium	Green
DIA7073140-2	120/140	Single	Medium	Green

HARD BOND

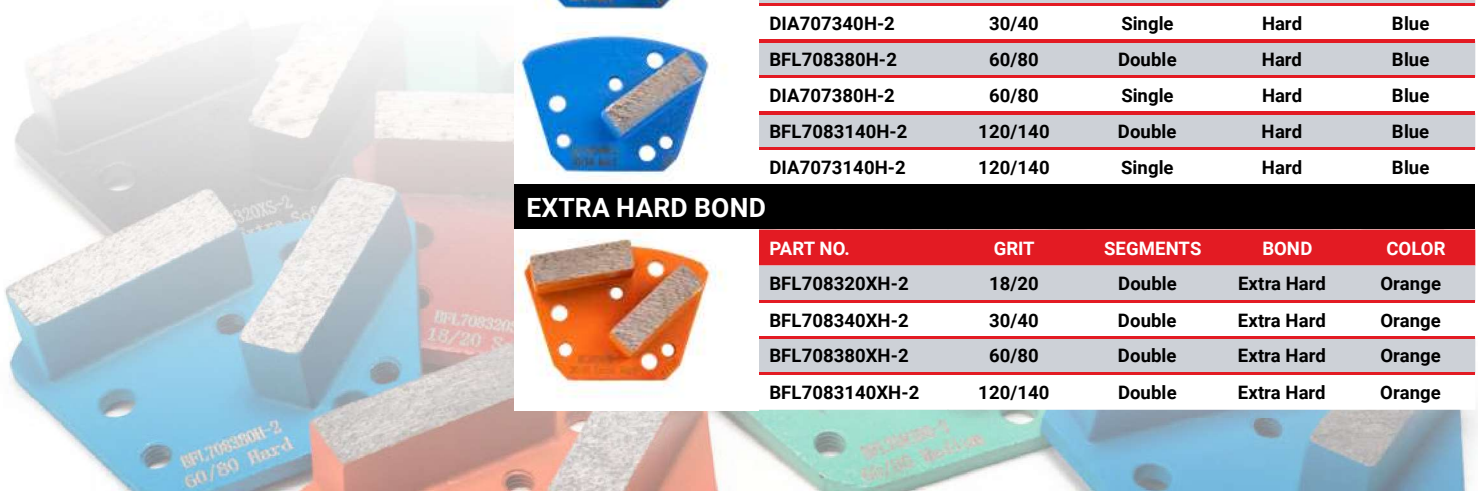


PART NO.	GRIT	SEGMENTS	BOND	COLOR
DIA707320H-2	18/20	Double	Hard	Blue
DIA707320H-2	18/20	Single	Hard	Blue
BFL708340H-2	30/40	Double	Hard	Blue
DIA707340H-2	30/40	Single	Hard	Blue
BFL708380H-2	60/80	Double	Hard	Blue
DIA707380H-2	60/80	Single	Hard	Blue
BFL7083140H-2	120/140	Double	Hard	Blue
DIA7073140H-2	120/140	Single	Hard	Blue

EXTRA HARD BOND



PART NO.	GRIT	SEGMENTS	BOND	COLOR
BFL708320XH-2	18/20	Double	Extra Hard	Orange
BFL708340XH-2	30/40	Double	Extra Hard	Orange
BFL708380XH-2	60/80	Double	Extra Hard	Orange
BFL7083140XH-2	120/140	Double	Extra Hard	Orange



10 SEGMENT DIAMONDS

The Diamatic® 10 Segment Metal Diamonds are perfect for coatings removal, demolition and surface preparation, where heavy grinding is required. Due to the cutting nature of this diamond bond it is recommended only for use on heavy platform machines such as the BMG-735 or BMG-780.

EXTRA SOFT BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
DIA-18/20PLUG-XS	18/20	10	Extra Soft	Black
DIA-30/40PLUG-XS	30/40	10	Extra Soft	Black
DIA-60/80PLUG-XS	60/80	10	Extra Soft	Black
DIA-120/140PLUG-XS	120/140	10	Extra Soft	Black

SOFT BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
DIA-18/20PLUG-S	18/20	10	Soft	Red
DIA-30/40PLUG-S	30/40	10	Soft	Red
DIA-60/80PLUG-S	60/80	10	Soft	Red
DIA-120/140PLUG-S	120/140	10	Soft	Red

MEDIUM BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
DIA-18/20PLUG	18/20	10	Medium	Green
DIA-30/40PLUG	30/40	10	Medium	Green
DIA-60/80PLUG	60/80	10	Medium	Green
DIA-120/140PLUG	120/140	10	Medium	Green

HARD BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
DIA-18/20PLUG-H	18/20	10	Hard	Blue
DIA-30/40PLUG-H	30/40	10	Hard	Blue
DIA-60/80PLUG-H	60/80	10	Hard	Blue
DIA-120/140PLUG-H	120/140	10	Hard	Blue

EXTRA HARD BOND



PART NO.	GRIT	SEGMENT	BOND	COLOR
DIA-18/20PLUG-XH	18/20	10	Extra Hard	Orange
DIA-30/40PLUG-XH	30/40	10	Extra Hard	Orange
DIA-60/80PLUG-XH	60/80	10	Extra Hard	Orange
DIA-120/140PLUG-XH	120/140	10	Extra Hard	Orange

