

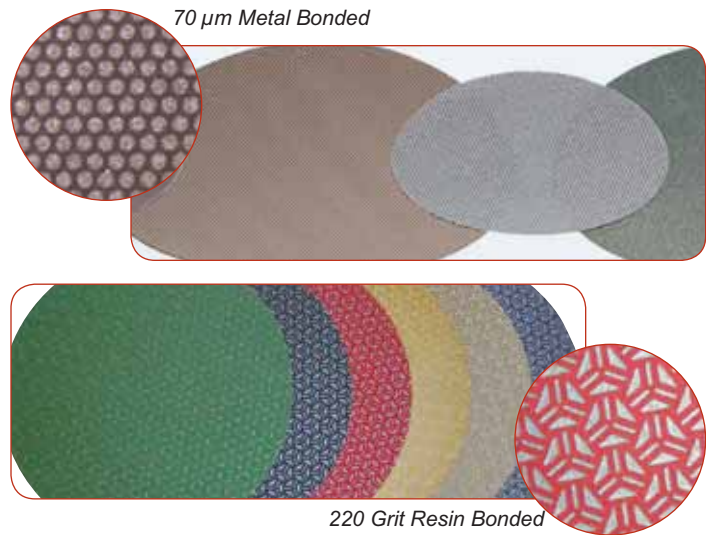
## Dia-Grid Diamond Discs

Dia-Grid Diamond Discs are recommended for hard-to-grind materials. They feature diamond particles nickel-plated (Metal Bond) or secured by resin (Resin Bond) in a unique raised matrix that enhances cooling of the sample, provides increased cutting rates and allows efficient removal of debris. They are extremely durable, and provide excellent edge retention and sample flatness.

**Metal Bond:** Recommended for materials including ceramics, composites, carbides and metal matrix composites.

**Resin Bond:** Recommended for a wide variety of materials including hard metals and non-metal coatings in place of silicon carbide grinding papers prior to coarse or intermediate polishing.

They are available with either adhesive backing for standard platens, or magnetic system backing for magnetic platens.



### Metal Bond

Magnetic System			Grade	Adhesive Back		
8"	10"	12"		8"	10"	12"
50-50000M	50-50100M	50-51000M	260 µm	50-50000	50-50100	50-51000
50-50005M	50-50105M	50-51005M	125 µm	50-50005	50-50105	50-51005
50-50010M	50-50110M	50-51010M	70 µm	50-50010	50-50110	50-51010
50-50015M	50-50115M	50-51015M	30 µm	50-50015	50-50115	50-51015
50-50025M	50-50125M	50-51025M	15 µm	50-50025	50-50125	50-51025
50-50035M	50-50135M	50-51035M	9 µm	50-50035	50-50135	50-51035
50-50040M	50-50140M	50-51040M	6 µm	50-50040	50-50140	50-51040

### Resin Bond

Magnetic System			Grade	Adhesive Back		
8"	10"	12"		8"	10"	12"
50-80800M	50-81000M	50-81200M	80 Grit	50-80800	50-81000	50-81200
50-80805M	50-81005M	50-81205M	120 Grit	50-80805	50-81005	50-81205
50-80810M	50-81010M	50-81210M	220 Grit	50-80810	50-81010	50-81210
50-80820M	50-81020M	50-81220M	40 µm	50-80820	50-81020	50-81220
50-80825M	50-81025M	50-81225M	25 µm	50-80825	50-81025	50-81225
50-80830M	50-81030M	50-81230M	9 µm	50-80830	50-81030	50-81230

## Plated Diamond Discs, 8" (203 mm)

Plated Diamond Discs feature a solid surface layer of nickel-plated diamond. Recommended when grinding unencapsulated samples of non-metallic materials such as high-alumina ceramic, tungsten carbide, quartz, sapphire and silicon.



Magnetic System	Grade	Adhesive Back
50-60110M	160 µm	50-60110
50-60115M	70 µm	50-60115
50-60120M	45 µm	50-60120
50-60125M	30 µm	50-60125
50-60130M	15 µm	50-60130
50-60135M	6 µm	50-60135