



DTA Diamond Blade Application Guide

DTA Continuous, Segmented and Turbo rim blades are manufactured using a process known as cold press sintering. The diamonds and bond mixture are pressed onto the steel core of the blade by a pressing machine, before being heated to 900°C in a furnace. The heating process ensures strong bonding of the diamond powder to the steel core and no welding of any kind is used in the process.

DTA Wet Continuous Diamond Blades

- Cut most materials cleanly and precisely
- Must be used with water

DTA Dry Continuous Diamond Blades

- Cut most materials cleanly and precisely
- Higher quality diamonds
- Faster heat-conductive bond powder than continuous wet blades
- Use wet or dry

DTA Segmented Diamond Blades

- Designed for general-purpose cutting
- Cut faster than continuous or turbo blades, but not as cleanly or precisely
- Use wet or dry

DTA Turbo Diamond Blades

- Designed for general-purpose cutting
- Cut faster than continuous blades and more precise than segmented blades
- Use wet or dry

DTA Super Turbo Diamond Blades

- Designed for general-purpose cutting
- Waved steel core for more strength and rigidity than turbo blades
- Cut harder materials than turbo blades
- Use wet or dry

DTA Super Thin Turbo Diamond Blades

- Designed for general-purpose cutting
- Thinner core and diamond rim allows faster, more precise cut than other turbo blades
- Use wet or dry



PLEASE NOTE:

ALWAYS WEAR EYE PROTECTION WHEN CUTTING.
ONLY STATE ELECTRICITY APPROVED MACHINES
SHOULD BE USED FOR WET CUTTING.





DTA PRECISION DIAMOND BLADES

DTA Diamond Blade Application Guide

| Application | Wet Continuous | Dry Continuous | Segmented | Turbo | Super Turbo | Super Thin Turbo |
|-----------------------|----------------|----------------|-----------|-------|-------------|------------------|
| Ceramic Tiles | | | | | | |
| Critically Hard Tiles | | | | | | |
| Porcelain | | | | | | |
| Slate | | | | | | |
| Marble | | | | | | |
| Granite | | | | | | |
| Terracotta | | | | | | |
| Glass | | | | | | |
| Fibreglass | | | | | | |
| PVC Pipes | | | | | | |
| Concrete | | | | | | |
| Reinforced Concrete | | | | | | |
| Fibro Cement | | | | | | |
| Clay Bricks | | | | | | |
| Clay Pavers | | | | | | |
| Bluestone | | | | | | |



Wet use only



Wet or dry use

RPM Chart

| Blade Diametre | Bore Size | Maximum RPM | Maximum Cutting Depth |
|----------------|-----------------|-------------|-----------------------|
| 100mm (4") | 16mm - 20mm | 15,000 | 25mm |
| 115mm (4 1/2") | 20mm - 22.2mm | 13,300 | 32mm |
| 125mm (5") | 20mm - 22.2mm | 12,000 | 38mm |
| 150mm (6") | 20mm - 22.2mm | 10,100 | 50mm |
| 180mm (7") | 20mm - 22.2mm | 8,700 | 56mm |
| 200mm (8") | 20mm - 22.2mm | 7,500 | 70mm |
| 230mm (9") | 22.2mm - 25.4mm | 6,500 | 82mm |
| 250mm (10") | 22.2mm - 25.4mm | 6,110 | 75mm |
| 300mm (12") | 22.2mm - 25.4mm | 5,100 | 90mm |
| 350mm (14") | 22.2mm - 25.4mm | 4,360 | 110mm |
| 400mm (16") | 22.2mm - 25.4mm | 3,820 | 140mm |
| 450mm (18") | 22.2mm - 25.4mm | 3,400 | 150mm |
| 500mm (20") | 22.2mm - 25.4mm | 3,060 | 170mm |