

## **MK-190 Wet Diamond Core Bit Usage Instructions**

The core bits must be used with water-cooling at all times.

This can be done by the following methods:

### **1. Tile Attached to Wall**

- Spraying water onto the surface.
- Using a wet sponge.
- Attaching water feed device to allow a constant stream of water to run down the tile and into target hole.

### **2. Loose Tile or Horizontal Surface**

- Pour water onto tile and create a small puddle over the intended position of the hole, drill "through" the water.

### **Recommended Drilling Method**

- Start Spindle: The drill needs to be at full power and recommended RPM before the core bit is in contact with tile.
- Start drilling at a 45-degree angle to avoid skating on the tile.
- Once a groove has been made, slowly raise the drill bit up to a horizontal level while applying light downward pressure, then continue drilling.
- Drilling force should be kept at low pressure, up to max 12-15kg.
- Minimal oscillation of the core bit during cutting aids drill life, this assists with cooling and cutting debris removal.
- The MK-190 Core Bits will work with all power units, however due to watercooling we would recommend use of cordless power tools.

### **RPM BY DRILL SIZE**

Size		RPM
3/16"	(5mm)	1500-2000
1/4"	(6mm)	2000-2500
9/32"	(7mm)	2000-2500
5/16"	(8mm)	2000-2500
3/8"	(10mm)	2000-2500
1/2"	(13mm)	2000-2500
5/8"	(15mm)	1500-2000
3/4"	(20mm)	1500-2000
1"	(25mm)	1500-2000
1-1/4"	(30mm)	1000-1500
1-3/8"	(35mm)	1000-1500



 WARNING: Cancer and Reproductive Harm - [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

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