



Diamond cutting tools:

Manufacturing standard: BS EN 13236

For best performance and cutting, it is recommended to follow the instructions and indications below:

1. Clean the flange before mounting the blade.
2. The rotation sense of the arrow on the blade must correspond to the machine's rotation sense.
3. A blade out of balance leads to increased wear and even to possible destruction of the tool. Make sure that tolerances do not exceed + 0.15
4. Do not work with pressure, the machine's weight is enough. Higher pressure means increased wear.
5. Cut with the blade by following a swinging movement, especially while working on hard materials.
6. Keep the exact tool inclination while cutting, cut along a straight line.
7. In case the blade loses sharpness- noticeable by strong spark development- sharpen it by doing some cuts on an abrasive material such as sandstone.
8. In order to properly exploit the tools life, use it up to the wear and tear of the segments or rim.
9. Only use machines with protection cover.
10. Despite the highest safety levels of our tools, always wear protection clothes and accessories. Damaged, inadequate or not correctly assembled cutting tools are dangerous and may cause serious accidents.
11. Diamond tools must not be used for grinding operations
12. The rotation speed has to be adjusted to the blade type. See below.



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Arbor speed and surface speed suggested for diamond tools:

For portable machines:

Diameter	Arbor Speed	Max. Surface Speed
125	12230	80 MT/SEC
230	6650	80 MT/SEC
300	6370	100 MT/SEC

For masonry Saws:

Diameter	Arbor speed		Cutting depth	
	Soft Materials	Hard Materials	Soft Materials	Hard Materials
	50 mt/sec	35 mt/sec		
300	3180	2230	60mm	30mm