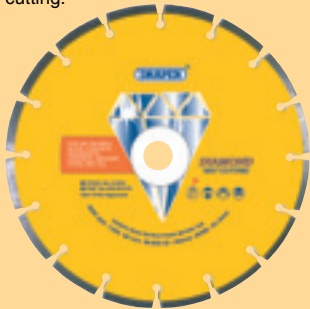


# superior quality diamond cutting blades

**DIY series** **Draper DIY**  
FULLY GUARANTEED

**FOR GENERAL AND OCCASIONAL CUTTING**

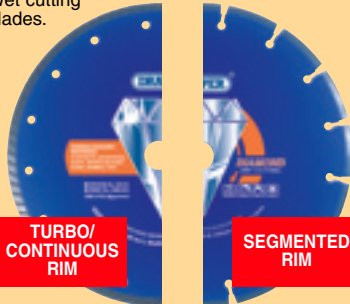
- Segmented blades.
- Sintered
- Dry cutting.



**Draper**

**FOR GENERAL BUILDING/ CONSTRUCTION WORK**

- Segmented rim.
- Turbo rim (continuous rim for smooth cut).
- Sintered • Dry cutting blades.
- Wet cutting blades.




**TURBO/CONTINUOUS RIM**      **SEGMENTED RIM**

**Draper Expert**

**FOR INDUSTRIAL USE**

- Segmented blades.
- Laser welded
- Dry cutting.



## Blade Application Guide

● Specific use  
○ Occasional use

Quality Level	Blade Construction	Type	Material type																			
			Green Concrete	Breeze Block	Mortar	Concrete Cellular/Aerated	Nat. Sandstone	Concrete Roofing Tile	Concrete Soft Aggregates	Hand Made Bricks	Nat. Sandstone Hard/Medium	Terracotta	Common Bricks	Slate	Floor and Ceramic Tiles	Marble	Cured Concrete Medium/Hard Aggregates	Nat. Sandstone Dense	Cured Concrete Hard Aggregates	Dense Paving Blocks/Slabs		
Light Duty	Sintered	Continuous									●	●	●	●								
Light Duty	Sintered	Segmented					○	○	●	●		●	○	○								
Draper	Sintered	Continuous					●	○	●	●		●	○	○								
Draper	Sintered	Turbo Rim				●	●	○	●	●		●	●	●	●	●	●					
Draper	Sintered	Segmented		●		●	○	●	●		●	●	●	●								
Draper	Sintered	Mortar		●																		
Expert	Laser Welded	Segmented	○	○	●	●	●	●	●	●	●	●	●	●	●							
Expert	Laser Welded	Paving slabs	○	○	●	●	●	●	○	○	●	●	●	●			●		○		●	

**MATERIAL GUIDE**      Very Abrasive      Medium Abrasive      Abrasive      Medium Hard      Hard      Very Hard

## What makes a quality diamond blade?

### Bonding

This is where the diamond cutting edge is attached to the blade core. Very important and determines the quality and performance of the blade. Two processes are used on Draper blades.

- Sintering** - Metal powder or ceramics are baked together under pressure and attached to the blade.
- Laser welding** - Superior method of attaching cutting edge to blade. Achieves high safety levels.

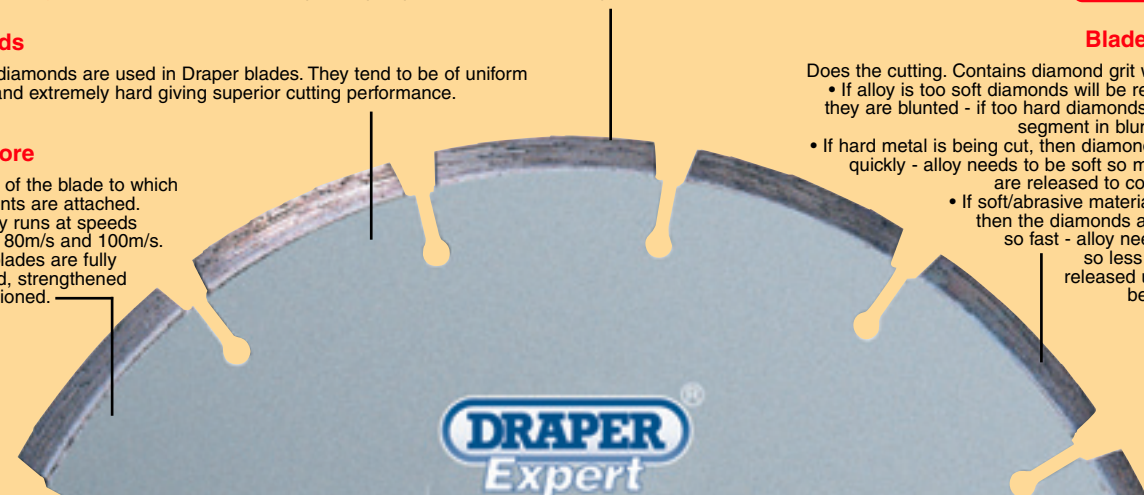
### Diamonds

Synthetic diamonds are used in Draper blades. They tend to be of uniform structure and extremely hard giving superior cutting performance.

### Blade Core

Main body of the blade to which the segments are attached.

- Generally runs at speeds between 80m/s and 100m/s.
- Draper blades are fully hardened, strengthened and tensioned.



**DAVE SAYS**



**QUALITY MAKES THE DIFFERENCE**

### Blade segments

Does the cutting. Contains diamond grit within an alloy.

- If alloy is too soft diamonds will be released before they are blunted - if too hard diamonds will remain in segment in blunted condition.
- If hard metal is being cut, then diamonds are blunted quickly - alloy needs to be soft so more diamonds are released to continue cutting.
- If soft/abrasive material is being cut, then the diamonds are not blunted so fast - alloy needs to be hard so less diamonds are released until they have been sufficiently blunted.