



Diamond Drilling	Wall & Floor Sawing	Concrete Crunching & Bursting
Wire & Plunge Sawing	Joint Cutting	Thermic Lancing
Anchor Fixing	Chasing	Concrete Breaking
	Selective Demolition	

Date:

Our Ref:

## TECHNICAL INFORMATION SHEET No.3

### METHODS OF CUTTING AND BREAKING REINFORCED CONCRETE

Method	Comparative Cost	Disadvantages	Advantages
Impact Breakers	Cheap to Moderate	Very Slow, Labour intensive. Considerable dust, vibration and noise.	Often cheapest method and spoil broken into small pieces.
Rock Drills	Cheap	Noise. Some Dust. Will not drill Steel.	Fast, if steel can be avoided
Diamond Wall Sawing	Moderate	Hydraulic saw runs on tracks. Requires water supply and its Subsequent disposal. Ring Saw limited to Brick/Block work depths. Up to 250mm.	Track saw - Clean cut depths up to + exceeding 850mm deep, No making good. No dust or Vibration. Relatively fast. Ring saw. Hand held, fast.
Diamond Floor Sawing	Cheap to Moderate	Limited to a depth of 500mm. Requires water supply and its Subsequent removal.	Clean cut. No dust/vibration.
Diamond Drilling	Moderate to expensive (stitch drilling) Moderate (core drilling)	Slow and normally requires water supply and its subsequent removal	Relatively quiet (particularly Electric). Accurate clean holes with No vibration.
Chemical and Hydraulic Bursting	Cheap to Expensive	Periphery cut required to achieve Accurate bursting. Problems with Heavy reinforcement. Requires pre-drilled holes or openings	Fast, quiet, little vibration.
Wire Sawing	Expensive	Difficult to retain the water used in The cutting process. Large working Area required.	Fast, quiet. Indefinite cut Depths/thickness. Can cut where conventional cutting equipment cannot be used
Concrete Crunching	Cheap	Reinforcement to be cut separately. Two man operation	No noise, vibration or dust. Directional breaking. Easy to handle.



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