

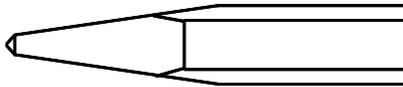
Terminology and Application of Breaker Steels

Breaker steels fall into four classifications

- Breaking
- Cutting
- Digging
- Compaction

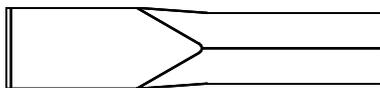
Tools for Breaking

Moil Points



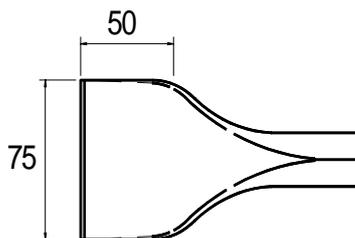
Used for general breaking in friable materials where the angle of fragmentation is not important possibly the most commonly used product

Narrow Chisel



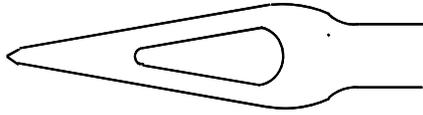
Similar application to a Moil Point but can control the angle of fracture along the cutting edge of the chisel end. Normally used for cleaning an edge that has to be retained

Wide Chisel



The same application as the narrow chisel but is more productive on softer materials can also be used as a light cutting tool for coated stone materials

Heavy Duty Burster

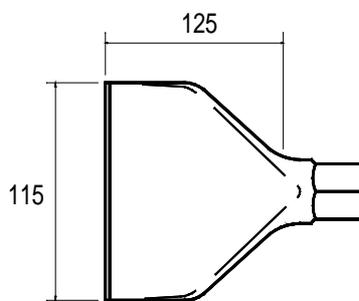


Used in the same way as a Moil Point but has a wider angle of fracture that increases productivity on materials such as mass concrete

Not recommended for coated stone as the tool has a tendency to punch through the surface with resulting in entrapment of the working end

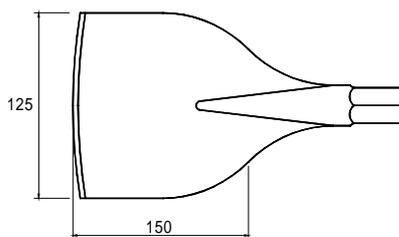
Tools for Cutting

Tarmac Cutter



Tarmac Cutter has a wedge shaped profile for cutting coated stone materials. Most operators favour this profile as the wedge cut enables easy release of the tool following the cutting action.

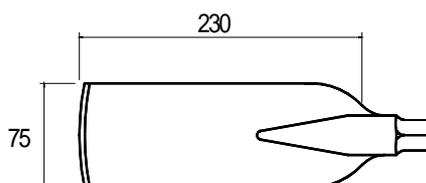
Standall Asphalt Cutter



The Standall Asphalt Cutter is thinner in profile and requires less energy to penetrate the material to be cut. The disadvantage is that the parallel blade can be more difficult to extract following cutting

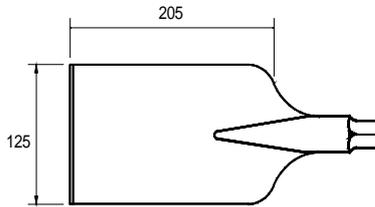
Digging Tools

Digging Chisel



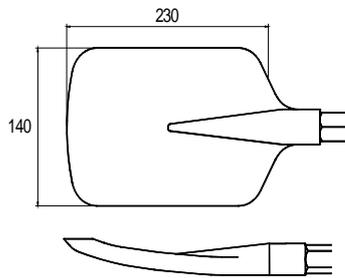
Digging Chisels are used for digging heavily clay and soils contaminated with aggregates not commonly used in the UK

Digging Spade



Digging spades are used for general digging of trench work once the top surface of concrete or coated stone has been removed

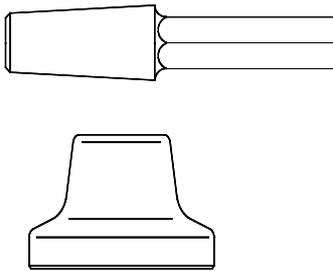
Clay Spade



Used for cutting compacted clay that is free of aggregate. The Clay Spade is unique in its curved profile that enables the tool to automatically return to an open face. If used in aggregate contaminated materials this will damage the cutting edge destroying its ability to return to an open face. This tool is commonly used for clay tunnelling as well as general digging.

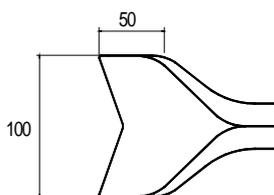
Compacting Tools

Pad & Stem



The taper of the stem fits into the taper of the pad to make a tool that can be used for compacting material back filled into a hole. The use of this equipment is limited to emergency reinstatement as density compaction requirements are not easily achieved and are often outside of the requirements set down in the pavement and highways act

Tie Tampers



Tie tampers are used within the Rail Industry for compacting aggregate around sleepers. To ensure stability of track