

## **Demagnetising**

There are three ways in which a magnetised piece of steel can have its magnetism removed.

One way is to hammer the magnetised steel. Every time the sample is struck by a hammer, its magnetism is weakened.

A second way is to heat the magnetised sample until it is red hot. When it cools down it has lost its magnetism.

The best method is to place the magnetised steel inside a coil through which an alternating current is flowing. While the current is flowing, the steel rod is slowly removed to a distance of several metres from the coil in an east-west direction.