Filing



* What is filing in the workshop?

Filing is **a material removal process in manufacturing**. Filing helps achieve work piece function by removing some excess material and deburring the surface. Sandpaper may be used as a filing tool for other materials, such as wood.



* What is filing in Bench work?

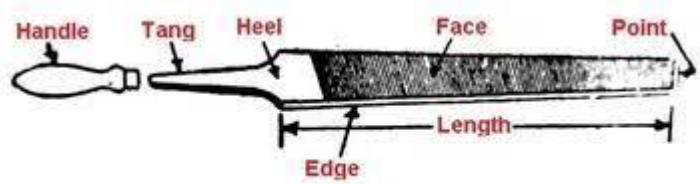
Filing. A type of bench work operation that **involves manually removing small amounts of work piece material with a tool that has small, sharp teeth**. Filing can smooth work piece surfaces, remove sharp edges, and add a chamfer.

* What is a filing machine?

A power-machine for filing metals, resembling in general plan a scroll-saw in which the vertical reciprocating saw is replaced by a file.

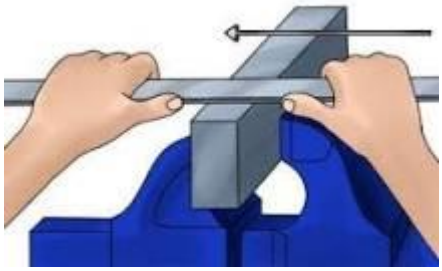
* What are files used for?

File, in hardware and metalworking, tool of hardened steel in the form of a bar or rod with many small cutting edges raised on its longitudinal surfaces; it is used **for smoothing or forming objects**, especially of metal.



Parts of a File

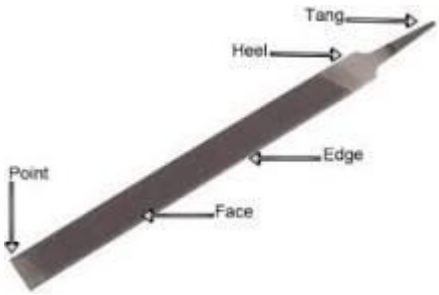
* What are the 3 filing techniques?





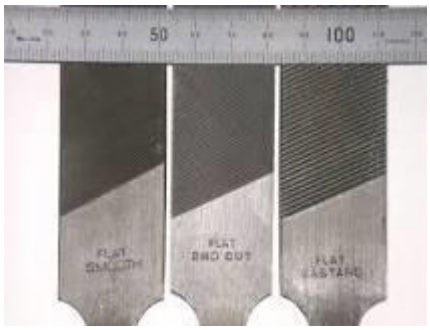
There are three commonly used filing techniques that are widely used, these are: **cross filing, draw filing and lathe filing**.

* What are the parts of a file?



The basic parts of a file include **the point, the face, the edge, the heel and the tang**.

* What is file in mechanical engineering?



A file is **a tool used to remove fine amounts of material from a work piece**. ... Most are hand tools, made of a case hardened steel bar of rectangular, square, triangular, or round cross-section, with one or more surfaces cut with sharp, generally parallel teeth.

- What is filling operation in lathe machine?



Lathe filing is a **technique used for shaping, finishing and polishing cylindrical objects such as table or chair legs**. A lathe is a machine for shaping that spins a piece of material around to allow consistent cutting around its circumference.

* How do I use a file?



With your opposing hand place your palm onto the tip of the file. Your palm is used to help **press** down while your dominant hand is used to guide and control the direction of the file. Rather than press hard for aggressive cuts switch to a more aggressive (coarse) file. Pressing too hard will dull the file more quickly.

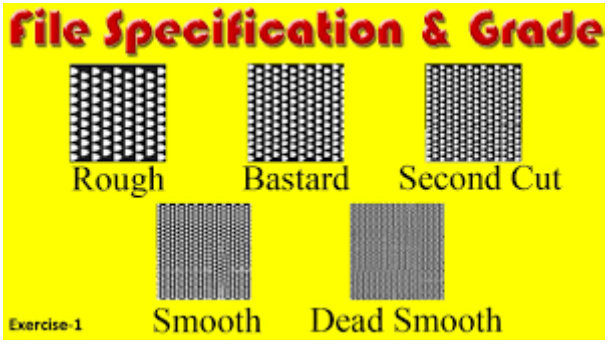
* What is Diamond file?

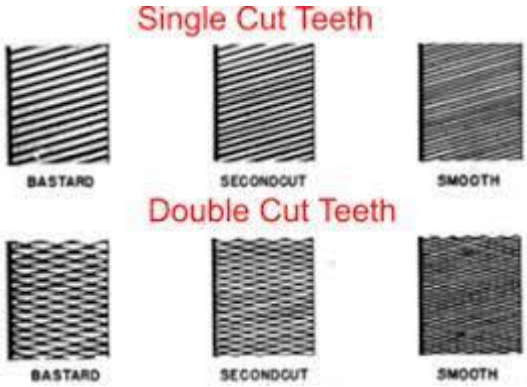


Diamond Files are **manufactured by electroplating diamond on to steel blanks**. The smaller the particles, the finer the grit of the file. This is why diamond files are referred to in grits rather like sandpaper. For example, a 600 grit diamond file will be much finer than a 220 grit.

* What are the 3 types of metal files?

- Smooth Cut Files.
- Second Cut Files.
- Bastard Cut Files.
- Single-Cut Files: Diagonal teeth that all line up parallel to one another.
- Double-Cut Files: Diagonal teeth that line up parallel, but also intersect with a second set of teeth that run parallel to each.







http://metalworkprocesses.weebly.com/filing-processes.html