

“ENGINEERING FILES”

Indian Tool Manufacturers “ITM”, A division of Birla Precision Technologies Ltd. is one of the leading “Engineering Files” suppliers in India, “Dagger Brand” Files are made out of finest steel material, with state-of-the-art manufacturing facility to produce best quality of Files in its category.

An Engineering File is a tool used to remove fine amounts of material from a metal work piece. It is commonly used for removing burrs, sharp edges in engineering process. Most are hand tools, made out of High Carbon Steel bars of rectangular, square, triangular, or round cross-section, with one or more surfaces. A narrow, pointed tang is common at one end, to which a handle will be fitted.

Files teeth are cut with unique, automated, hydro-pneumatically-controlled cutting machines forming equally spaced teeth and uniform depth of cut to ensure consistent cutting quality and desired surface finish. Uniform, well-spheroidized steel structure and required carbon rich surface produces uniform hard tooth for longer life.

The shape and size of work piece, the material it is made of and the desired surface finish will have to be considered for selecting the right File. Our product range consists of Machinist Files, Saw Files, Wood and Rasp Files, Needle and Diamond Files etc.

1. Machinist Files: All Machinist Files are available in 3 cuts i.e., Bastard, 2nd Cut and Smooth.

Size Range: 100 mm – 350 mm (4” -14”)

2. Saw Files: All Saw files are available in single Cut i.e., 2nd Cut.

Size Range: 100 mm – 200 mm (4” -8”)

3. Wood and Rasp Files: All Wood & Rasp Files are available in 3 cuts i.e., Bastard, 2nd Cut and Smooth.

Size Range: 150 mm – 350 mm (6” -14”)

4. Needle Files: Needle Files are generally used in Jewellery Industries and small component manufacturers, These Files are available in shapes of Flat, Three Square, Square, Half Round, Round, Knife Edge etc.

Size Range: 160 mm


5. Diamond Files: Diamond Files are generally used in Tough and difficult to cut materials etc. These Files are available in shapes of Flat, Three Square, Square, Half Round, Round, etc.

Size Range: 160 mm

Advantages of ITM File are:

- Extra Life
- Corrosion Resistance
- Better Productivity
- Superior Finish
- Finest Quality Steel.

Tips for Better Performance:

- A new File should be used with light pressure in the beginning, preferably on a surface which has been filed earlier.
- In case of clogging of File teeth, clean the teeth with a soft metal wire brush.
- Use the Files for cutting in the forward stroke only.
- Filing jobs should be held rigidly. 



For Product Enquiry Contact
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