

Filing a workpiece

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

**Exclusively created
by Spoken Tutorial Team, IIT Bombay
for National Instructional Media Institute**



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Learning Objectives:

In this tutorial, we will learn



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In this tutorial, we will learn

- **What is filing**



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- **What is filing**
- **Various tools used for filing**



Learning Objectives:

In this tutorial, we will learn

- **What is filing**
- **Various tools used for filing**
- **Different types of filing**



Learning Objectives:

In this tutorial, we will learn

- What is filing
- Various tools used for filing
- Different types of filing
- How to file a workpiece



Learning Objectives:

In this tutorial, we will learn

- What is filing
- Various tools used for filing
- Different types of filing
- How to file a workpiece
- Common mistakes while filing



Tools Required:



Tools Required:

- A file



Tools Required:

- **A file**
- **The workpiece to be filed**



Tools Required:

- A file
- The workpiece to be filed
- Bench Vice to hold the workpiece



Tools Required:

- A file
- The workpiece to be filed
- Bench Vice to hold the workpiece
- Vernier Calliper to measure



Tools Required:

- **A file**
- **The workpiece to be filed**
- **Bench Vice to hold the workpiece**
- **Vernier Calliper to measure**
- **Try Square to check the workpiece's squareness**



Tools Required:

- Hack saw to cut the workpiece



Tools Required:

- Hack saw to cut the workpiece
- Punch to mark on the workpiece



Tools Required:

- Hack saw to cut the workpiece
- Punch to mark on the workpiece
- Ball pein hammer



What is filing?



What is filing?

- Filing is a method of removing excess material from a job/workpiece using a file



Types of files



Types of files

- Flat file



Types of files

- Flat file
- Smooth file



Types of files

- Flat file
- Smooth file
- Safe edge file



Types of files

- Flat file
- Smooth file
- Safe edge file
- Square file



Types of files

- Flat file
- Smooth file
- Safe edge file
- Square file
- Half run file



Types of files

- Flat file
- Smooth file
- Safe edge file
- Square file
- Half run file
- Round file



Methods of filing



Methods of filing

- **Straight forward filing**



Methods of filing

- **Straight forward filing**
- **Draw filing**



Methods of filing

- **Straight forward filing**
- **Draw filing**
- **Diagonal/Cross filing**



Common mistakes while filing



Summary



Summary

- 1 Measure a workpiece
- 2 Remove the excess part of workpiece
- 3 File a workpiece



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
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Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to contact@spoken-tutorial.org



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- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

