

# Different Types of Plumbing Tools and Their Uses

In this article, we are going to explain the different types of plumbing tools that are used to fix house drainage system problems. These plumbing tools are mostly used everywhere for all types of house plumbing problems.

## Plumbing Tools and Their Uses

The tool which is used to fix the house drainage, sanitary, [water distribution](#) problems is known as plumbing tools.

In recent times, lots of plumbing tools are available in the market as per their purpose and uniqueness. But here we listed some very common and most useful plumbing tools that are mostly used for plumbing works.

Different types of plumbing tools are listed below.

- Pipe cutter
- Pipe Wrench
- Pipe Vice
- Hacksaw
- Pipe Bending Machine
- Water Pump Pliers
- Threading Dies
- Chain Wrench
- Set of common ring Spanners
- Plumb Bob

### 1. Pipe Cutter

Pipe cutter is one of the most common type of plumbing tool that is used to cut water, sanitary, or sewer pipes. Generally, Solid type, Hook Type, and chain type pipe cutters are mostly used.



Pipe cutter includes the cutting reels, moving reels base, screw, and adjusting handles. Moving reels base is adjusted as per pipe size with the help of adjusting screwed handle. The pipe was cut by a rotating cutter surrounding it.

Also Read: [Disinfection Process of Water Treatment Plant](#)

## 2. Pipe Vice



*Pipe vice*

Pipe vice is a holding Plumbing tool that is used to hold the pipe for carrying out cutting, threading, assembly, disassembly, etc. purposes. There are two types of pipe vices.

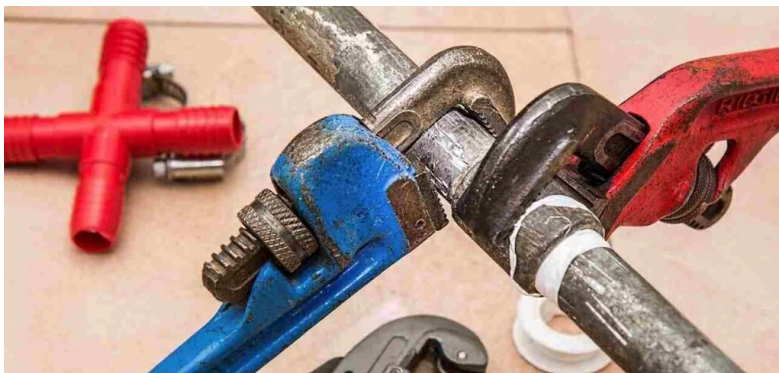
- Open Side Pipe Vice
- Fixed Side Pipe Vice

Pipe vice includes the set of the jaw, one is fixed while another is moveable to adjust as per the size of pipe.

Also Read: [Fluctuation in Water demand](#)

## 3. Pipe Wrench

Pipe wrench is a fitting plumbing tool that is used to loosening or tightening the connections of pipes, joints, nuts, etc. It is also used to hold the pipe and turn around it for tightening or loosening purposes.





Pipe wrenches were available in two types, adjustable and non-adjustable wrenches. These wrenches are used to screw and unscrew the pipe upto 75 mm dia.

Non-adjustable wrenches are available in fixed size while the adjustable wrenches are adjusted as per pipe diameter.

Adjustable wrenches include the Fixed flat jaw, moveable flat jaw, handle and square toothed screw. The moveable flat jaw slide in the body with the help of a screw. The gap between fixed flat jaw and moveable flat jaw is used to hold the pipes, nuts, joints, etc.

#### **4. Hacksaw**

Hacksaw is a cutting plumbing tool that is used to cut the plastic pipes, steel hollow roads, steel thin sheets, angles, etc. Hacksaw includes the handle, frame, blade and adjustable wing screw.



Cutting operation using manually operated hacksaw includes the forward stroke and reverse stroke, where the forward stroke is known as cutting stroke while reverse stroke is known as idle stroke.

Hand-operated hacksaw is used in site work while power hacksaw is used in workshop works.

**Also Read: [Different Types of Water Demand](#)**

#### **5. Pipe Bending Machine**





Pipe bending machine is used to turn or bend the pipes at various angles as per requirement. The hand-operated pipe bending machine is used to bend small sizes pipes while the hydraulic pipe bending machine was used to bend large size pipes.

## 6. Water Pump Pliers



Water pump pliers or pipe pliers is one of the most essential home plumbing tools that is used to cut pipes, wires, tightening or loosening the various parts, etc. Different shape and sizes pliers are available in market.

## 7. Threading Dies



Threading dies are used to create threads on pipes to join them with another one to make a strong joint connection. It was used to make threads on plastic pipes as well as steel pipes.

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## 8. Chain Wrench



Chain wrench is holding plumbing tools that are used to hold and open or close the large dia pipes. Chain wrench includes the chain and tooth which helps to hold and rotate the pipes.

The chain wrench is available in 3", 4", 6", 8" and 12", with the length 475 mm, 585 mm, 834 mm, 1100 mm, and 1360 mm respectively.

## 9. Set of Common Ring Spanners



The spanners are the fitting plumbing tool that is used to loosening or tightening the standard size nuts and bolts. The various types of spanners are available in market mentioned as below.

### Ring Spanners

Ring spanners are included circular closed rings at both ends. Uses of ring spanners sometimes cause damage due to slips.

### Open-Ended Spanners

Open-ended spanners include the open jaw at both ends of spanners that is mostly used to open or close the nut and bolts.

### Combination Spanners

Combination spanners include the combination of Ring and Open-ended spanners. It is one end with a circular ring while other ends consist open-ended jaw.

### **Bi-Hexagonal Ring Spanners**

Bi-hexagonal spanners include the hexagonal rings at both ends to hold and open nuts and bolts. It is available in the market in various sizes.

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## **10. Plumb Bob**

Plumb Bob is the most common tool in construction and house drainage works. Plumb Bob is used to check the vertical alignment of any members or pipes.