

PIPE  
AND  
PIPE FITTING TOOLS

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# INTRODUCTION

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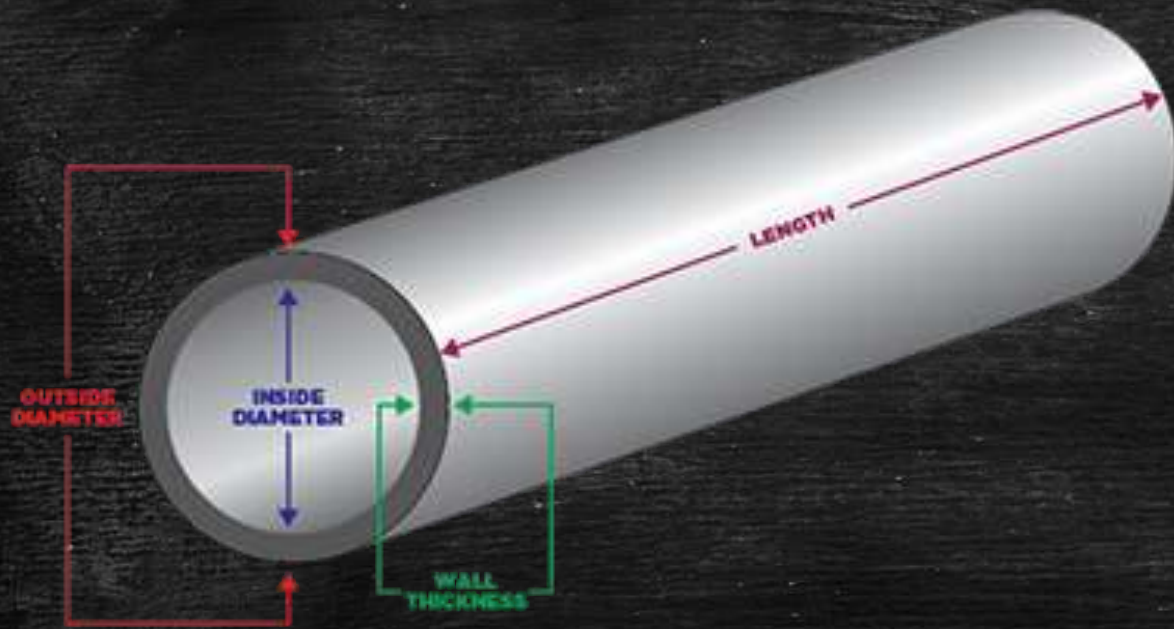
- ❖ Pipe is a medium by which water, oil, gas and steam can be transferred without any leakage.
- ❖ Tube is similar to pipe. But pipe is thick and long more than tube.
- ❖ Pipe is measured by its internal diameter but tube is measured by external diameter.



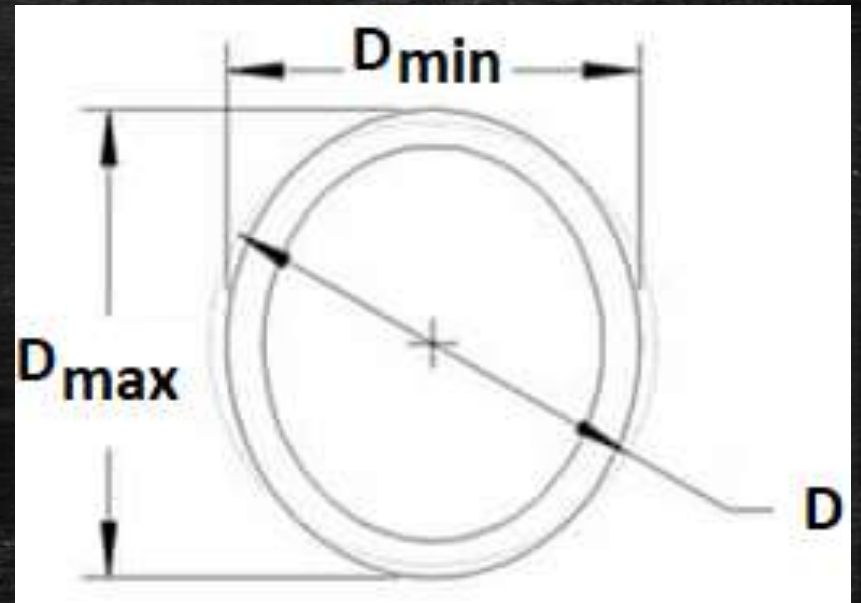
PIPE



TUBE



Pipe Measurement



Tube Measurement

# TYPES OF PIPE

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- According to Material
- According to work
- According to Production Process
- According to Capability
- According to Joint

# According to Material

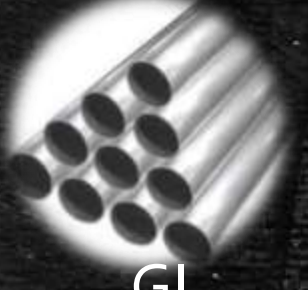
Different types of materials are used for making the pipes like cast iron, wrought iron, G.I, copper, lead, steel, Aluminium, cement, rubber, concrete and P.V.C.



PVC



Cast Iron



GI



copper



lead



steel



Aluminium



cement



Rubber



concrete

# According to work

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According to work these are water pipe, steam pipe, gas pipe and oil pipe etc.



water pipe



steam pipe



Gas pipe



oil pipe

# According to Production Process

According to Production Process these are butt weld, gas weld, Brazed, Casted, Drawn and Drilled pipe etc.



Butt weld



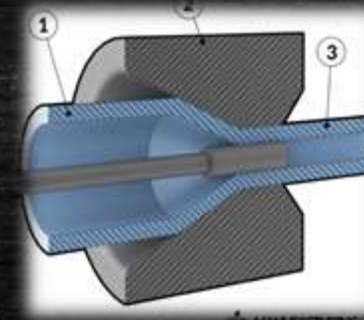
Gas weld



Brazed



Casted



Drawn



Drilled

# According to Capability

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According to capability  
these are 3 types:

1. Standard
2. Heavy
3. Extra Heavy

1



2



3





# According to Joint

According to joint pipes are:

1. Threaded
2. Flanged
3. Cotage and Spigot
4. Cooler pipe



1



2



3



4

# Use of Pipes

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1. For the domestic water supplier pipes are used.
2. For hydraulic oil supply.
3. For outlets of the waste of water pipes are used.
4. For lubricating oil supply
5. High pressure steam supply
6. Fuel oil and gas supply.

# Tools used for Pipe Fitting

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1. Pipe Wrench
2. Chain pipe wrench
3. Pipe Vice
4. Pipe cutter
5. Pipe Die
6. Pipe threading tap
7. Pipe bending machine.

1



4



2



5



3



6



7



Thank  
You.....

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