



## Types of Welding

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When you think about welding you might think that there is only one type of welding. This is a common idea because most people only see the finished product. However, there are many different types of welding that you might find interesting.

Welding is a way of joining metals to each other to make them firm and the metal forms a bond that is tight. There are a variety of bonds that are done depending on the types of welding you use.

Types of welding fit under categories as listed here:

### Gas welding

This type of welding creates a flame from a burning gas and this creates the welding heat that is needed. You will see this in the following types of welding:

Propane torches - people use this when they want to sweat a joint or when they want to solder two pieces of metal together. This is one of the lowest heats and can be used for small things.

Oxyacetylene torch - this heat gets a bit hotter and many people say this is the most universal type of welding tool you can find. This is used when you need a very hot flame. This type of torch will weld a variety of things as long as you have the right metals and tools for it. It is generally used when you want to cut, braze, weld or solder something that requires a higher heat. You have to be careful though because it is a type of heat that can be difficult to control and it can sometimes overheat the area.

Oxy-propane - this type of welding is used when you want to solder, braze or heat something. This is a cheaper form of both of the types of welding that was first listed.

### Arc welding

This type of welding creates the heat through the use of an electric arc. The types of welding that are done through this type of welding include:

Basic AC & DC arc welders - when you are looking for a way to weld either heavy gauge steel or cast iron this is the type of welding to use. It uses rods that you guide along the place to be weld and these are made of flux coated steel or other materials.

MIG (Metal Inert Gas) - this is a very quick way of welding and some say it is easier to do than regular arch welding. It is done through the use of a DC arc and it uses filler metal that is used with a spool of thin wire. You use inert gas instead of flux. This is usually used with steel bodywork and is a good choice when you need to weld sheet metal.

TIG (Tungsten Inert Gas) - this type of welding uses an AC arc that is of high frequency and it is combined with a tungsten electrode that is shielded by inert gas. This comes together to create a torch that is controllable. This is a good choice to weld very thin metals together. If you are working with aluminum or stainless steel this is a good choice.

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