



Mig Welding Basics - Tack Welding

By [Peter Apalais](#)

Tack welding is used throughout the welding and fabrication industry. Even the most basic welding jobs at home will require you to do "tack welds".

Fabrication and welding techniques call for the need of tack welding. Manufactured weldments and components require tack welding to hold assemblies and parts together during initial fit up and measuring.

Tack welding is used in mig welding, tig welding and arc welding.

A tack weld is a small weld that is placed in critical positions of a project or work piece to hold it in place, keep it square and stop it from warping out of square.

An example of a tack weld would be if you were making a gate out some steel box section. The first step would be to cut the steel to the required lengths. Then you would lay the four lengths of steel on your workbench or onto the floor. You would then use a square to align the steel into a rectangle and clamp them together.

The tack welds are placed on all four corners so that it is held true and square.

These small tack welds will when you full weld the steel together, prevent the steel frame from twisting and bend out of square a lot more than if you just started fully welding it all up.

Also tack welds are small so that if you make a mistake when you cut and square things up, it is easier to grind away a small tack weld as opposed to a large full weld.

<http://www.learn-how-to-weld.com/mig-welding-basics-2.html>

Cheers,

Peter Apalais

Making welding simple. <http://www.learn-how-to-weld.com/>

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