

## Introduction Weldments

We use Solidworks' weldments feature for many of our 3D drawings for its simplicity, ease of adjustment and automatic generation of cut lists. We have realised that many customers have difficulty creating custom weldments profiles and wish to share ours. Here you will find a folder including map structure, Solidworks guide on file location for weldments profiles and our custom weldment profiles ready for you to start using in your constructions.

Weldments in Solidworks enables you to design a weldment structure as a single multibody part. Using a 2D or a 3D sketch to define the basic framework you can create structural members containing groups of sketch segments. Small adjustments are made easily using this powerful tool since changing the sketch length will force the extrude profiles to follow, updating and summarising the cut list.

Using *Trim* and *Extend* you can use faces and other solid bodies to trim segments, so they butt up correctly in the weldment part. *Extruded cuts* and *Hole Wizard* can still be used and affected profiles will be separated from profiles without.

Using weldments allows us to quickly calculate which profile length is needed for each construction and get back to the customer quickly with quotations and orders.

Benefits:

- Sketch-based part
- Easy changes
- Automatic cut lists