

MIG WELD

Software

WPS Maker – create welding procedure specifications easily



WPS Maker is a software for the design of Welding Procedure Qualifications (WPS).

The joint details are created from the weld dimensions automatically and are true to scale. The weld build-up may be designed in any possible way and the input of base metals, filler metals, shielding gases and tungsten electrodes is supported by data bases.

Supported processes



This is how your WPS will look like!

- 15 Plasma arc welding
- 72 Electroslag welding
- 111 Manual metal arc welding
- 114 Self shielded tubular-cored arc welding
- 121 Submerged arc welding with one wire electrode
- 122 Submerged arc welding with strip electrode
- 123 Submerged arc welding with multiple wire electrodes
- 124 Submerged arc welding with metal powder addition
- 125 Submerged arc welding with tubular cored wire
- 131 Metal inert gas welding
- 135 Metal active gas welding
- 136 Tubular cored welding with active gas shield
- 137 Tubular cored metal welding with active gas shield
- 141 Tungsten inert gas welding
- 311 Oxy/acetylene welding

Dynamic Drawing

Dynamic drawing means that a to-scale joint detail is created according to the entered dimensions. This makes it possible to detect false entries immediately and may be corrected afoot. The generated joint detail is the foundation for the weld build-up, which may be designed afterwards.

The following seam types can be drawn dynamically:

- Butt weld
- Fillet weld
- Corner weld
- Overlap weld
- Pipe joint
- Flanged weld

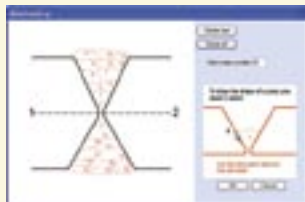
Demoversion

On www.migweld.de you can download a demoversion.

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Screenshots



New document

A new WPS document may be created by pressing the button „New“ or by the menu selection „File“ „New WPS“. A new and empty document opens which can be filled in step-by-step as with well known office-suites. After each input the modifications appear in the document immediately and may be checked and modified any time.

Weld detail

By simply entering the basic joint type and the direct input of the geometrical dimensions a sketch of the joint is generated to-scale. This can be rotated or zoomed in any way. By this means almost all possible joint details can be made.

Weld build-up

The joint detail generated previously is the foundation for the weld build-up. 3 mouse clicks build each pass and are numbered automatically.

Base materials

The integrated database contains 4688 steels and 227 aluminium materials including the standard designations. Deviating materials may be stored in a private database and recalled any time.

Welding positions

Any number of welding positions may be used in the WPS.

Filler metals

The integrated database includes all filler metals from MIG WELD. Own fillers may be stored in a database and recalled any time later.

Input of parameters

Any welding pass may be defined with any welding process and any welding parameter. Passes can be deleted, modified or copied any time.

Shielding gas, tungsten electrode

Shielding gases can be selected from a database or defined individually. The same is true for tungsten electrodes.

Afterwards the finished WPS can be saved and printed.

Your own logo can be imported of course.