



TECHNICAL DATA SHEET

SK6WEL Welding

► DESCRIPTION:

We produce welded components in compliance with highest quality standards. Welding of provided parts/components is performed under the terms of contract work. We provide welding quality assurance to meet the highest standards.

Our strength is in the prototype construction, small series, as well as preproduction runs with the annual quantities of 1 - 10 000.

Small components, in particular made from aluminum, can be checked for leaks in a heatable basin with the temperature up to 43°C. Result: 100% tightness.

► TECHNICAL OPTIONS:

| | |
|---------------------------------------|---|
| Types of welding: | WIG welding (tungsten inert gas (TIG) MAG welding (metal active gas welding) |
| Materials processed with WIG welding: | stainless steel, steel, aluminum, titanium, inconel |
| Materials processed with MAG welding: | stainless steel, steel, Inconel |

► WIG WELDING CAPACITIES:

| Material type | Material thickness | Materials |
|-----------------|--------------------|---|
| stainless steel | 0,5-5,0mm | VA, V2A, V4A, 1.4301, 1.4828, 1.4509, 1.4404, ... |
| steel | 0,5-5,0mm | 1.0038 / 1.0332 |
| aluminium | 0,8-5,0mm | AlMg1-3 / AlMgSi0,5, ... |
| titanium | 0,8-2,0mm | to be agreed |
| Inconel | 0,5-3,0mm | LCF 625, 601 |

► MAG WELDING CAPACITIES:

| Material type | Material thickness | Materials |
|-----------------|--------------------|----------------------|
| stainless steel | 0,6-5,0mm | 1.4301, 1.4828, ... |
| steel | 0,8-5,0mm | 1.0038 / 1.0332, ... |
| Inconel | 1,0-2,0mm | 625 LCF |



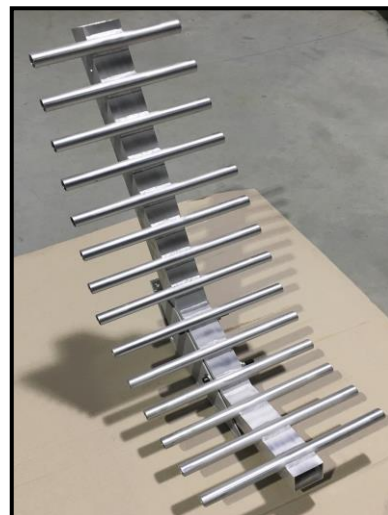
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► EXAMPLES:



Material: Inconel 625
Welding type: WIG (TIG)
Thickness: 0,8 mm



Material: AlMg3
Welding type: WIG (TIG)
Thickness: 1,0-2,5mm



Material: 1,4828
Welding type: WIG (TIG)
Thickness: 0,8-1,5mm



Material: 1,4301
Welding type: WIG (TIG),
soldering
Thickness: 0,8mm



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► QUERY OVERVIEW:

| Welding: SK6WEL-(x)(y)(z)... | | | | |
|--------------------------------------|--------------------------------|-------------------------------|-------------------------------|----------------------------|
| -(x) WIG (TIG): 1 | | | -(x) MAG: 2 | |
| -(y) stainless steel: E | -(y) aluminium: A | -(y) titanium: T | -(y) Inconel: I | -(y) steel: S |
| -(z) welding: 1 | -(z) spot welding: 2 | | -(z) partial welding: 3 | -(z) tack welding: 4 |

► EXAMPLE:

