

TECHNICAL DATA SHEET

ALUMINUM ALLOY FILLER METAL



308L

Comparable specifications

ASME SFA A 5.4: E308L
ISO 3581A: E19 9 L

Description and applications*

* *Illustrative, not-exhaustive list*

Austenitic stainless steel filler metal with a low carbon content, which reduces the possibility of intergranular precipitation on the weld metal deposited, and thereby increases the resistance to intergranular corrosion without the use of stabilizers such as niobium or titanium.

This grade may be used for welding of all 18/8 type stainless steels at service temperatures, from -120°C up to 350°C, e.g. for tubes, tanks, heat exchangers, piping systems.

Intended use: core wire for electrodes.

Weldable base materials*

* *Illustrative, not-exhaustive list*

All 300 series austenitic stainless steel

All-weld metal mech. properties*

* *For reference only values*

Tensile strength (Rm): ≥ 520 N/mm²
Elongation: $\geq 35\%$

Chemical composition*

* *For reference only values*

C	Mn	Si	S	P	Ni	Cr	Mo	Cu
max	1.00	max	max	max	9.50	19.50	max	max
0.025	2.00	0.150	0.020	0.030	10.50	20.50	0.30	0.30

Standard packaging data*

Welding process	Product type	Ø mm (inches)	Packing type	Weight kg (lbs)	Length mm (inches)
SMAW **	core wire for electrodes	1.60 - 5.00 (1/16 - 0.197)	wooden boxes	500 - 750 (1100 - 1650)	250 - 450 (10 - 18)

* *Other sizes and packing types are available upon request*

** *SMAW: shielded metal arc welding*

Marking

The outside of each unit package is suitably labelled with at minimum the following data: grade, diameter, heat, lot no., classifications.

Customized labels are available upon request.

Lot classification

All our productions fulfil the **Class S3** requirements acc. to EN ISO 14344.