

PRODUCT INFORMATION

STAVINOX 316L-16

AWS A:5.4: E316L-16
EN ISO 3581-A - E 19 12 3 L R 1 2

DESCRIPTION

STAVINOX 316L-16 is a rutile-coated stainless steel MMA electrode offering superior weldability, self-peeling slag, and finely rippled beads. It is widely regarded as the best in class for corrosion resistance, making it ideal for uninterrupted full-length welding with excellent re-strike capability.

WELDING POSITIONS



Suitable for AC and DC+ welding in all standard positions (PA, PB, PC, PD, PE, PF), with self-lifting slag and a smooth, stable arc.

TYPICAL WELD METAL COMPOSITION

C	0.04 Max	Cr	17.0-20.0
Si	1.00 Max	Ni	11.0-14.0
Mn	0.50-2.5	Mo	2.0-3.0
S	0.03 Max	Cu	0.75 Max
P	0.04 Max		

TYPICAL MECHANICAL PROPERTIES

Tensile Strength	>490 N/mm²
Elongation	>30%

MATERIAL TO BE WELDED

STAVINOX 316L-16 is suitable for welding molybdenum-bearing austenitic stainless steels (AISI 316/316L and similar grades) where enhanced corrosion resistance is required. Root weldability verified; maximum wall thickness 40mm. Type of current: DC+ (G+). Material group per CR ISO 15608: Group 8.1 (with Mo/without N). Highest short-term operating temperature 350°C; lowest operating temperature -110°C, as for parent metal. Resistance to intergranular corrosion proven in accordance with EN ISO 3651-2 Method A. (Source: TÜV-Verband-Kennblatt 20141.00, dated 22.02.2024.)

AVAILABLE FORMATS

RC3161520-SV	1.5mm 2kg VP
RC3162020-SV	2.0mm 2kg VP
RC3162520-SV	2.5mm 2kg VP
RC3163220-SV	3.2mm 2kg VP
RC3164020-SV	4.0mm 2kg VP

For further information, contact Weldability-SIF on +44 1462 482200 or email orders@weldability-sif.com



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