

KS-316L-17

Classification

AWS A5.4/A5.4M	E316L-17
JIS Z3221	ES316L-17
EN ISO 3581-A	-
GB T983	E316L-17

Coating Type : Lime Titania

Applications and Features

- (1) Weld metal is austenitic structure with 18%Cr-12%Ni-2%Mo.
- (2) Low carbon content can improve intergranular corrosion resistance.
- (3) Suitable for welding AISI 316/316L and SUS 316/316L.
- (4) Ideal for welding chemical container.

Welding Position



Welding Instruction

- (1) Please refer to Appendix A.
- (2) Please refer to Appendix F.

Typical Weld Metal Composition (wt%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.71	0.69	0.028	0.012	19.24	12.26	2.39

Typical Weld Metal Mechanical Properties

Tensile strength	Yield strength	Elongation
N/mm ²	N/mm ²	%
589	423	42

Available Sizes and Welding Parameters (AC or DC+)

Diameter (mm)		2.6	3.2	4.0	5.0
Current (A)	F/HF	50~85	80~120	100~150	140~180
	V-up/OH	45~80	70~110	90~135	-