



FCW 308LP

All position 308L type
Flux cored wire

Classification

AWS A5.22 : E308LT1-1/-4

ISO 17633-A : T 19 9 L P M21(C1) 1

Description & Applications

Flux cored wire for gas shielded (Ar + CO₂) arc welding for 304L stainless steel. Wire with rutile fast freezing to weld in all positions. For all type of steel construction with a service temperature does not exceed 400°C.

Main applications: Thermal Plant, piping, construction on sea coast

Base materials:

UNS	Grade	EN 10088	N° Mat.
S30400	304	X5CrNi18-10	1.4301
S30403	304L	X2CrNi19-11	1.4306
S32100	321	X6CrNiTi18-10	1.4541
S34700	347	X6CrNiNb18-10	1.4550

Typical Chemical Composition (%)

C	Si	Mn	Cr	Ni	Mo	Cu	P	S	Fe
0.03	0.70	1.4	20.0	10.5	0.01	0.10	0.02	0.008	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	KV (J)
460	620	40	-196°C 35

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters			Shielding Gas
		Current (A)	Voltage (V)	Stick out (mm)	
FCAW = +	1.2	130 - 270	22 - 35	12 - 25	ISO 14175 : M21 (Ar/CO ₂) 10 - 20 l/min



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