

Shield-Bright 308L

AWS A5.22 E308LT1-1(4) / JIS Z3323 TS308L-FB1

Description and Application

- Shield-Bright 308L was developed for welding type 304L stainless steel and can also be used for welding types 301, 302, and 304 steels. It may also be used for welding types 321 and 347 if the service conditions do not exceed an approximate of 750 °F (399 °C). Carbon content 0.04% maximum.

Shield-Bright 308L was designed for welding in all position and performs particularly well in the vertical position with excellent slag removal.

Flux
CORED
WIRES

Shielding Gas : 100%CO₂ or 75%Ar/25%CO₂

Typical Mechanical Properties of All Weld Metal

Shielding gas	Yield Point N/mm ² {kgf/mm ² }	Tensile Strength N/mm ² {kgf/mm ² }	Elongation (%)
100%CO ₂	372 {38}	568 {58}	61
75%Ar/25%CO ₂	410 {42}	580 {59}	44

Typical Undiluted Weld Metal Analysis %

Shielding gas	C	Mn	Si	P	S	Cr	Ni	Ferrite No.
100%CO ₂	0.025	1.10	0.70	0.025	0.007	19.1	10.0	8-15
75%Ar/25%CO ₂	0.030	1.20	0.90	0.025	0.007	19.3	10.1	8-15

Approvals

ABS, BV, DNV, KR, LR, NK, JIS