

# Shield-Bright 317L

AWS A5.22 E317LT1-1(4) / JIS Z3323 TS317L-FB1

Flux  
CORED  
WIRES

## Description and Application

- Shield-Bright 317L is recommended for welding type 317 and 317L stainless steel. It can also be used for type 316L where additional weld metal corrosion resistance, including pitting resistance, is required. This is used in industries where there is severe corrosion applications involving sulfuric and sulfurous acids and their salts. Shield-Bright 317L was developed for welding in all position.

## Shielding Gas : 100%CO<sub>2</sub> or 75%Ar/25%CO<sub>2</sub>

### Typical Mechanical Properties of All Weld Metal

Shielding gas	Yield Point N/mm <sup>2</sup> {kgf/mm <sup>2</sup> }	Tensile Strength N/mm <sup>2</sup> {kgf/mm <sup>2</sup> }	Elongation (%)
100%CO <sub>2</sub>	460 {47}	600 {61}	34
75%Ar/25%CO <sub>2</sub>	480 {49}	620 {63}	35

### Typical Undiluted Weld Metal Analysis %

Shielding gas	C	Mn	Si	P	S	Cr	Ni	Mo	Ferrite No.
100%CO <sub>2</sub>	0.032	1.20	0.80	0.021	0.009	18.4	12.5	3.40	8~15
75%Ar/25%CO <sub>2</sub>	0.032	1.20	0.85	0.021	0.009	19.50	13.0	3.50	8~15

### Approvals

JIS