

## Shield-Bright 317L

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.

Specifications	
Classifications	JIS Z3323 : TS317L-FB1 AWS A5.22 : E317LT1-1/T1-4
Approvals	JIS
Industry	Pulp and Paper Ship/Barge Building Industrial and General Fabrication Process

Approvals are based on factory location. Please contact ESAB for more information.

Typical Tensile Properties		
Yield Strength	Tensile Strength	Elongation
<b>100% CO<sub>2</sub></b>		
460 MPa	600 MPa	34 %
<b>75% Ar - 25% CO<sub>2</sub></b>		
480 MPa	620 MPa	35 %

Typical Weld Metal Analysis %								
C	Mn	Si	S	P	Ni	Cr	Mo	Ferrite FN
<b>75% Ar - 25% CO<sub>2</sub></b>								
0.03	1.20	0.85	0.009	0.021	13.0	19.50	3.50	8-15
<b>100% CO<sub>2</sub></b>								
0.032	1.20	0.80	0.009	0.021	12.5	18.4	3.40	8-15