



## FW 317

**CODIFICATION:** AWS : SFA 5.9 ER317

### CHARACTERISTICS AND APPLICATIONS:

FW 317 is a solid wire for TIG welding, available in bright finish, gives smooth flow, stable arc and spatter free under optimum welding conditions. It gives radiographic quality welds. It is ideally suited for welding of stainless steels of similar composition and their equivalents. It has excellent resistance against Sulfuric, Sulfurous and phosphoric acids.

### TYPICAL CHEMICAL COMPOSITION OF SOLID WIRE:

Element	C	Mn	Si	S	P	Cr	Ni	Mo
Percent	0.06	1.2	0.40	0.015	0.018	19.5	14.0	3.5

### TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL:

UTS	Elongation
(MPa)	(L = 4d) %
570	34.0

**SHIELDING GAS:** Argon

**CURRENT CONDITIONS:** DCEN

**WELDING POSITIONS:** H, F, VU, OH

### PACKING:

**STANDARD SIZE:** Diameter 1.6 mm, 2.0 mm, 2.4 mm & 3.2 mm in cut lengths of 1000 mm each.

**QUANTITY** 5 kgs wire put in an air-tight polythene bag and finally packed in a plastic container.  
Identification – AWS code is punched on each wire.