## GTAW Solid Wire for Stainless Steel

100% Ar

KTS-316L

Classification

AWS A5.9/A5.9M ER316L

JIS Z3321 YS316L

EN 14343-A W 19 12 3 L

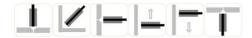
YB T5092 H03Cr19Ni12Mo2Si

# Applications and Features

Shielding Gas:

- (1) Weld metal is austenite structure with low carbon 18%Cr-12%Ni-2%Mo.
- (2) Superior corrosion resistance to acetic acid, phosphoric acid, acetate and phosphate due to additional Mo content.
- (3) Ideal for welding chemical vessels (AISI 316L) or 13% Cr or 18% Cr stainless steels without PWHT.

### **Welding Position**



#### **Welding Instruction**

Please refer to Appendix C and F.

### Typical Chemical Composition of Weld Metal (wt%)

С	Si	Mn	P	s	Cr	Ni	Мо
0.02	0.42	1.91	0.012	0.009	18.65	12.63	2.53

### **Typical Mechanical Properties of Weld Metal**

Tensile Strength	Yield Strength	Elongation		
N/mm²	N/mm²	%		
550	380	39		

### Size and Polarity (DC-)

Diameter (mm)	1.0	1.2	1.6	2.0	2.4	3.2
Length (mm)						