



## DW-347

**Classification: AWS A5.22 E347T0-1  
AWS A5.22 E347T0-4**

**All-Weld-Metal (100%CO<sub>2</sub>)**

### 1-1. Chemical Composition

[Unit: mass%]

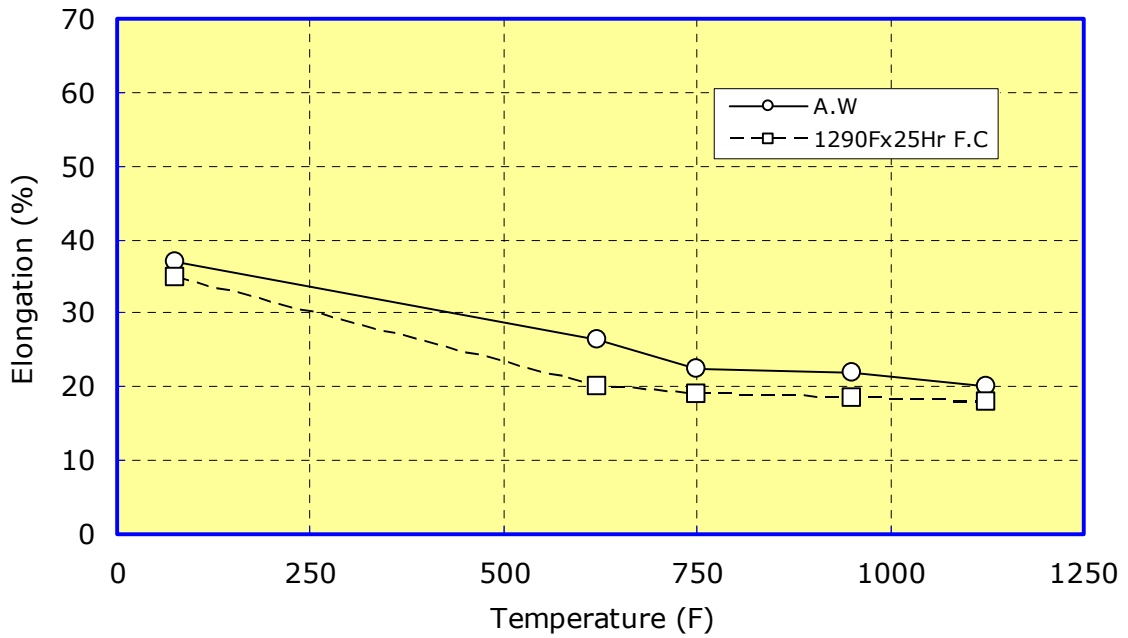
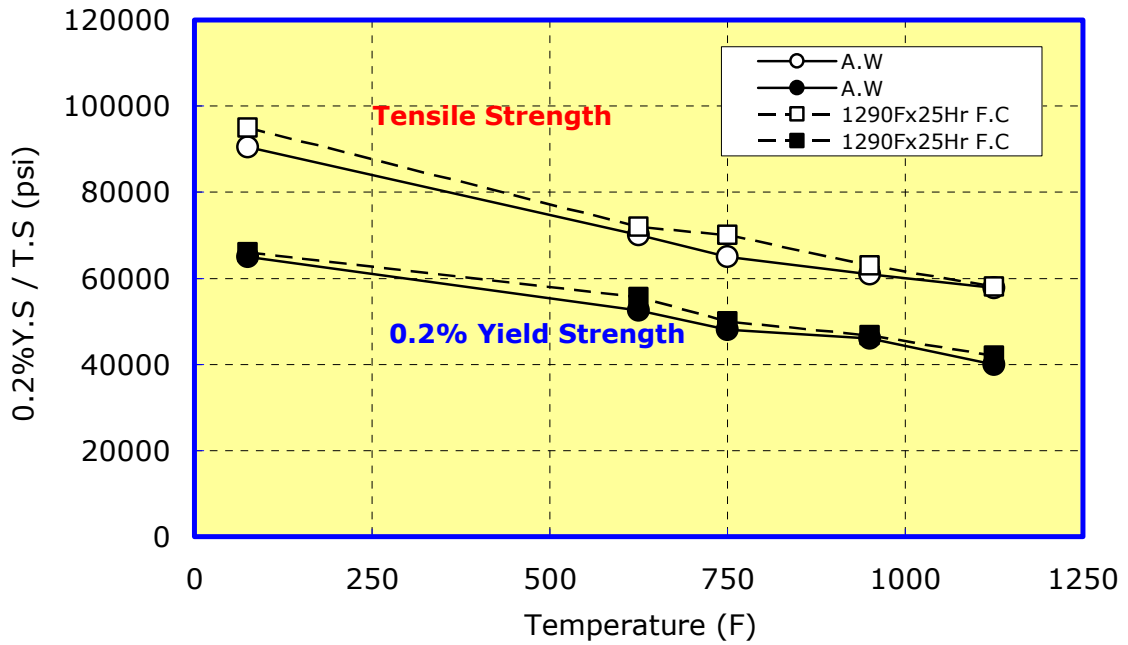
	C	Mn	Si	P	S	Ni	Cr	Cb	N
DW-347	0.05	1.64	0.39	0.021	0.010	9.68	19.16	0.63	0.012
E347T0-X	<0.08	0.5~2.5	<1.0	<0.04	<0.03	9.0~11.0	18.0~21.0	8xC~1.0	-----
	WRC <sub>1992</sub> (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-347	8.5		6.5			9.1			
E347T0-X	-----		-----			-----			

### 1-2. Tensile Test

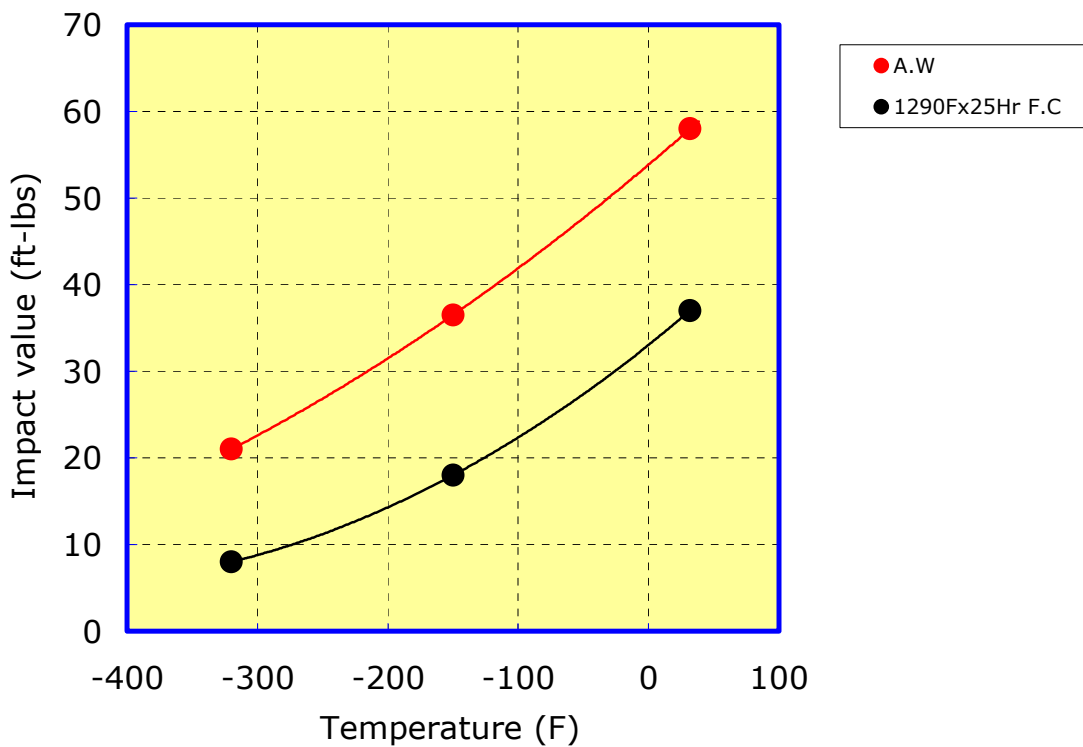
	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-347	62,269	81,400	37	53
E347T0-X	---	>75,000	>30	---

Note) Test was completed in the as welded condition and at room temperature

**Kobelco Welding of America, Inc.**



## 1-3. Impact Test



## 1-4. Corrosion Test

Copper Sulfate Sulfuric Acid Test  
 PWHT : 1200° F x 2Hr  
 Bend Test Results : No Defect



**WARNING:** This product can expose you to chemicals including Nickel and Titanium Dioxide, which are known to the State of California to cause cancer, and Chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**DISCLAIMER**

- Information in this material, such as chemical compositions and mechanical properties, is typical or an example for explaining the features and performances of our products, and it does not mean guarantee unless otherwise it is specified.  
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