



DW-347

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

All-Weld-Metal (100%CO₂)

1-1. Chemical Composition

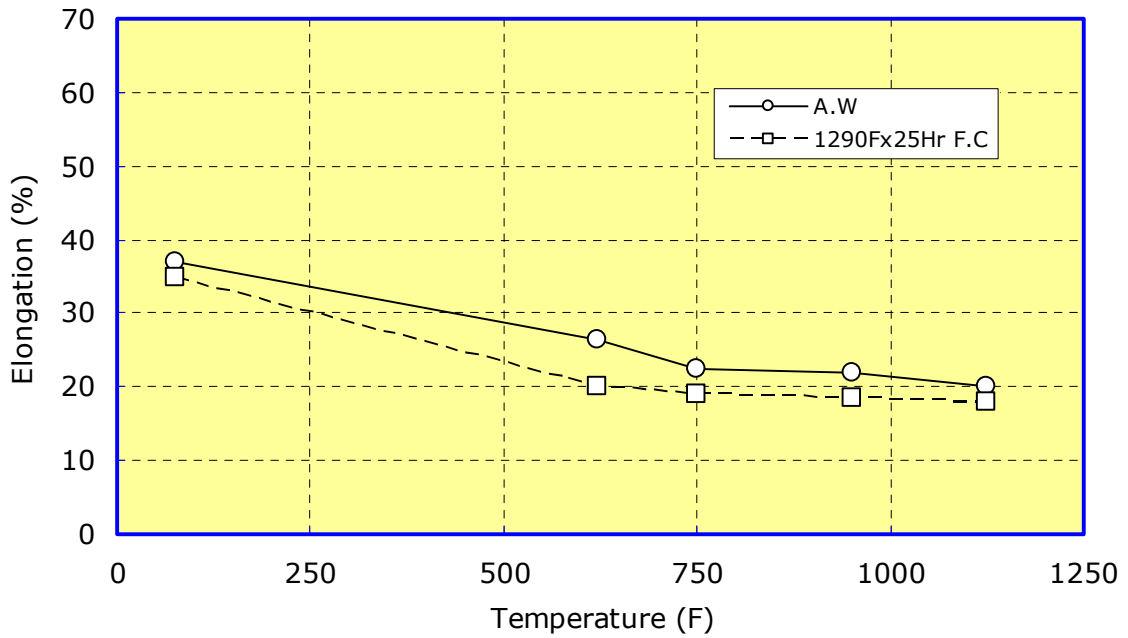
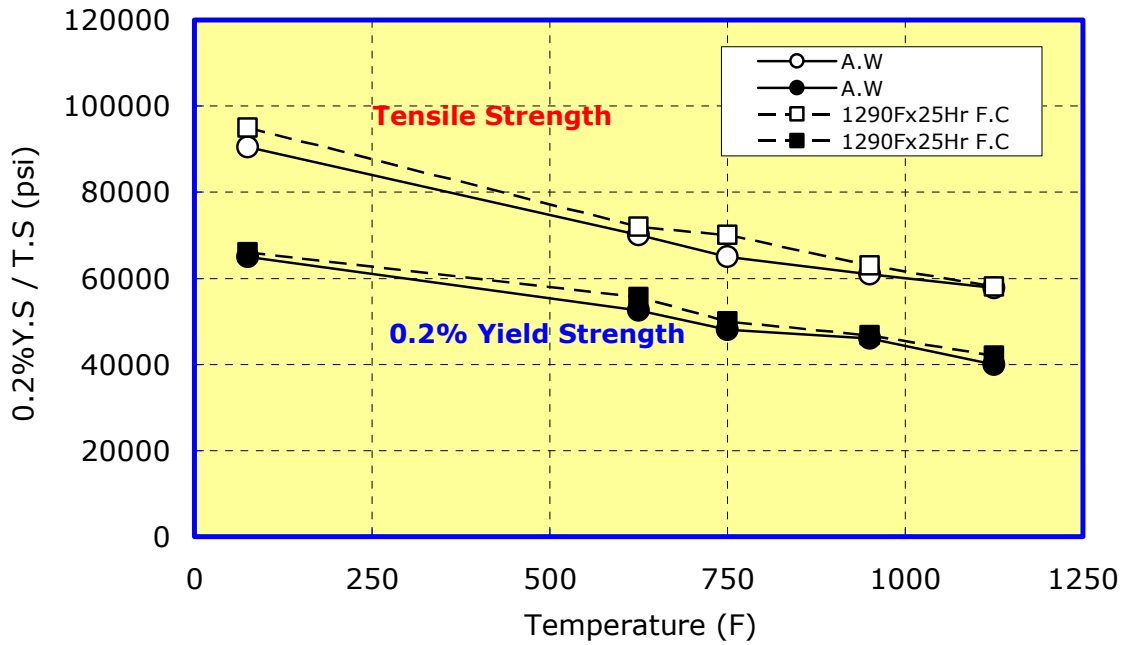
[Unit: mass%]

	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 ₁₉₉₂ (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-347	8.5		6.5			9.1			
E347T0-X	-----		-----			-----			

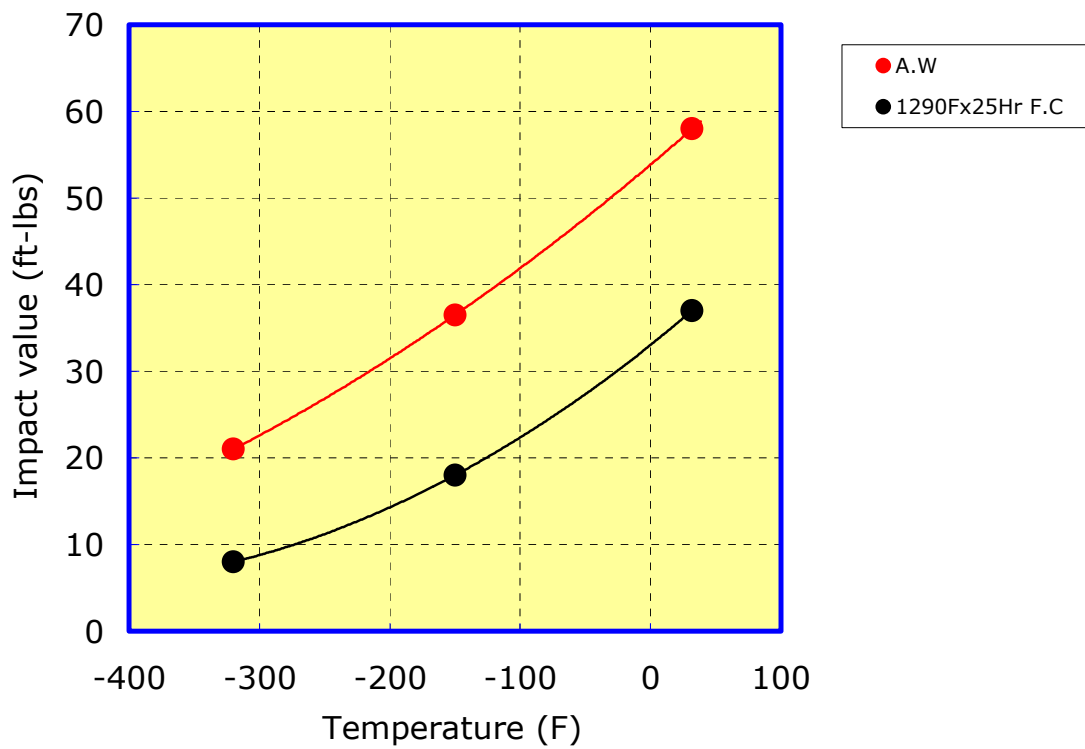
1-2. Tensile Test

	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



1-3. Impact Test



1-4. Corrosion Test

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