

DW-308H

Classification: AWS A5.22 E308HT1-1

AWS A5.22 E308HT1-4

Note: DW-308H is designed for use at service temperature above 1200° F.

All-Weld-Metal (100%CO₂)

1-1. Chemical Composition

[Unit: mass%]

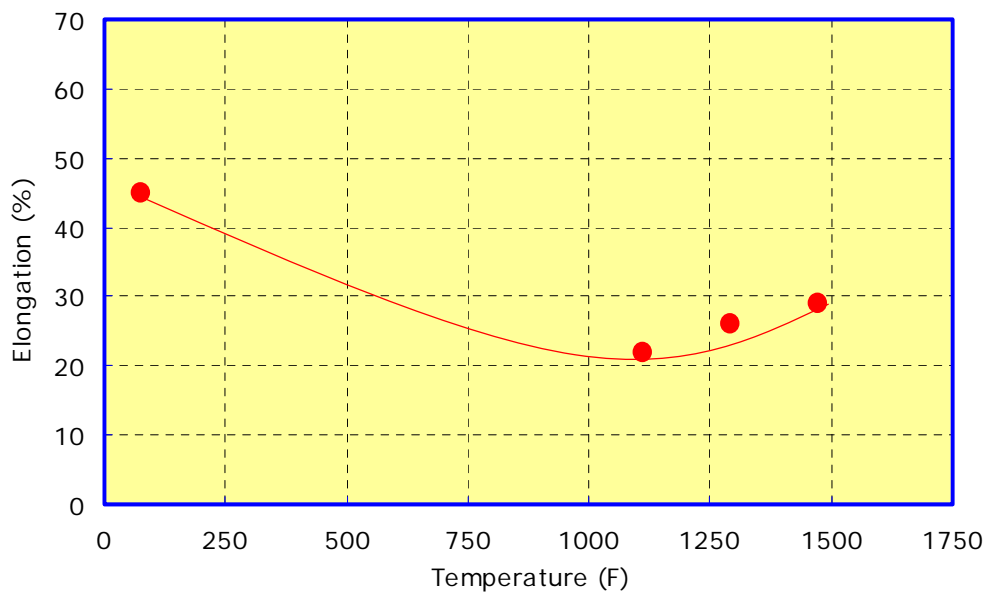
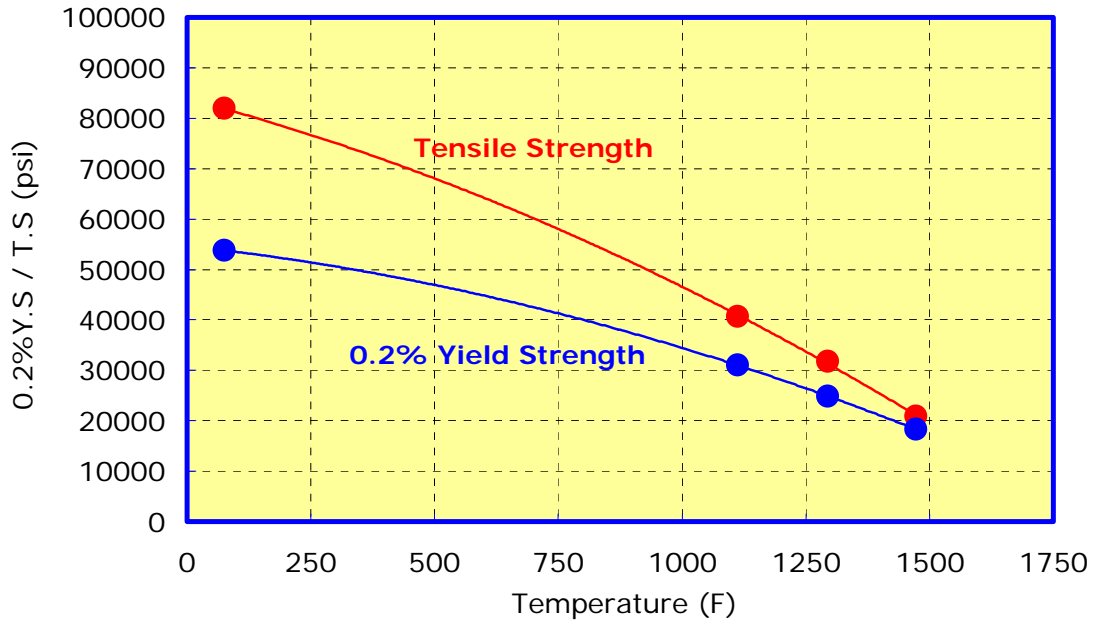
	C	Mn	Si	P	S	Ni	Cr	N	Bi
DW-308H	0.06	0.99	0.38	0.014	0.006	9.59	18.41	0.027	<0.001
E308HT1-X	0.04~0.08	0.5~2.5	<1.0	<0.04	<0.03	9.0~11.0	18.0~21.0	-----	-----
	WRC ₋₁₉₉₂ (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-308H	2.9		3.7			3.8			
E308TH1-X	-----		-----			-----			

1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-308H	53,806	81,929	45	56
E308HT1-X	---	>80,000	>35	---

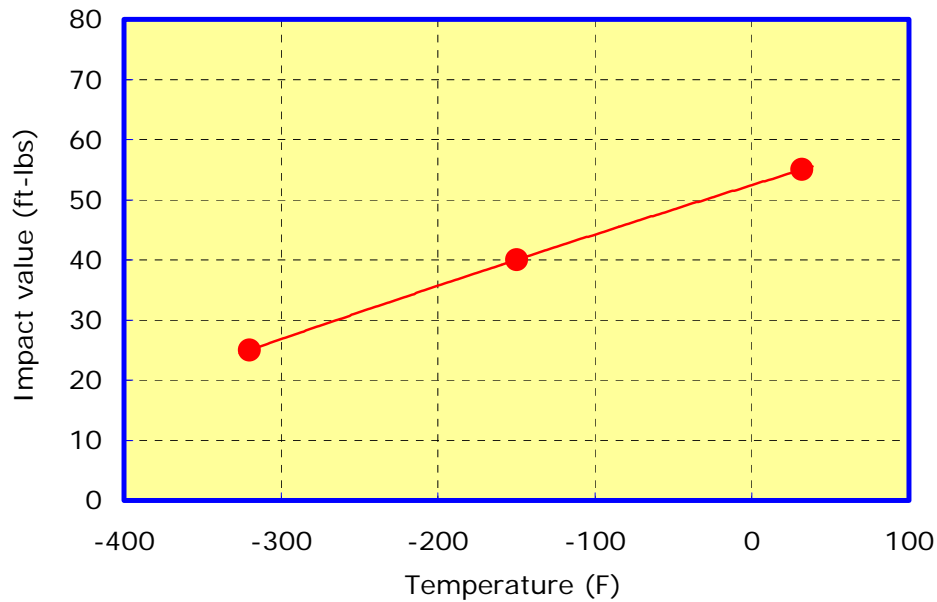
Note) Test was completed in the as welded condition and at room temperature

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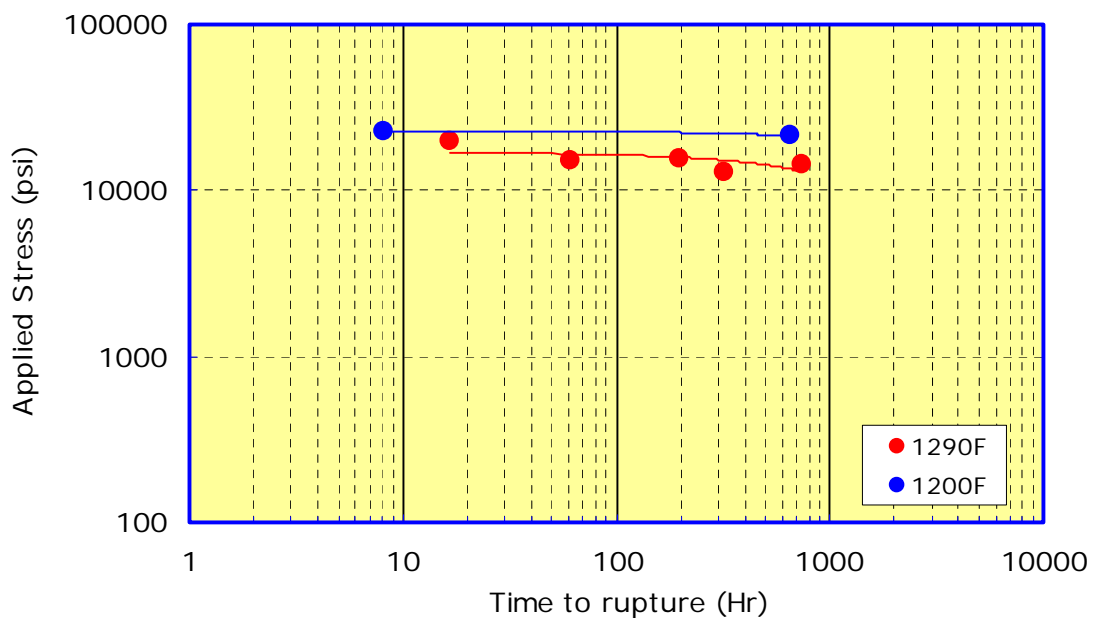


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1-3. Impact Test



1-4. Creep rupture Test



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