

DW-2209

**Classification: AWS A5.22 E2209T1-1
 AWS A5.22 E2209T1-4**

All-Weld-Metal (75%Ar - 25%CO₂)

1-1. Chemical Composition

[Unit: mass%]

	C	Mn	Si	P	S	Cr	Ni	Mo	N
DW-2209	0.02	0.89	0.55	0.018	0.005	22.96	9.68	3.28	0.14
E2209T1-X	<0.04	0.5~2.0	<1.0	<0.04	<0.03	21.0~24.0	7.5~10.0	<0.5	0.08~0.20
	WRC ₁₉₉₂ (FN)		PRE *1		*1) Pitting Resistance Equivalent = Cr + 3.3 X Mo + 16 X N				
DW-2209	40.5		36.0						
E2209T1-X	-----		-----						

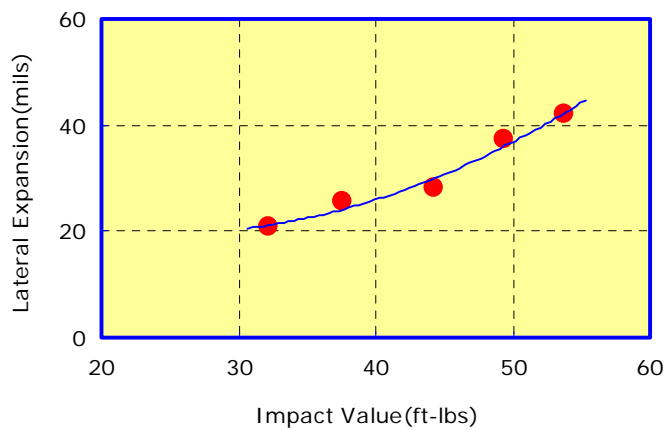
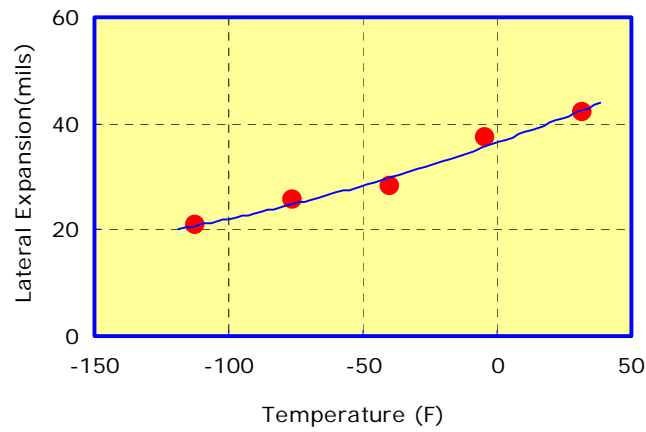
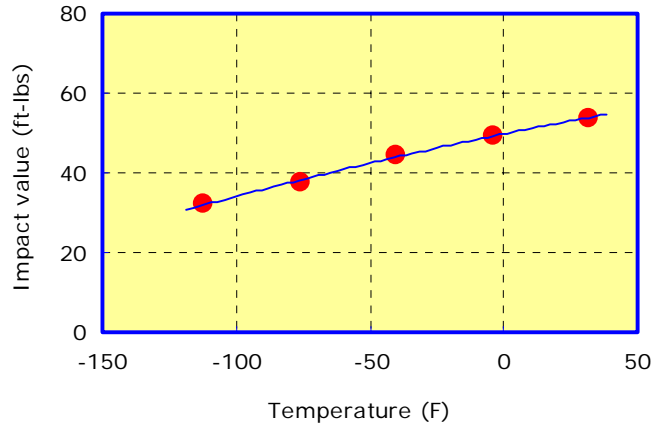
1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-2209	89,490	117,190	31	48
E2209T1-X	---	>100,000	>20	---

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

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1-3. Impact Test



1-4. Corrosion Test

Test Condition	Corrosion Loss / g/m ² ·h	Judgment
68° F - 24hr	0.005	No Pitting
77° F - 24hr	0.032	No Pitting

* According to ASTM G48 Practice A

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