KOBELCO

DW-316L

Classification: AWS A5.22 E316LT0-1
AWS A5.22 E316LT0-4

All-Weld-Metal (100%CO_2)

1-1. Chemical Composition

[Unit: mass%]

	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-316L	0.02	1.42	0.47	0.023	0.013	12.34	18.68	2.18	0.014
E316LT0-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	11.0~14.0	17.0~20.0	2.0~3.0	-----

	WRC_{-1992} (FN)	Shaeffler Diagram (%)	Delong Diagram (FN)
DW-316L	7.1	5.6	9.2
E316LT0-X	-------	-------	-------

1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-316L	57,521	81,800	37	36
E316LT0-X	---	>70,000	>30	---

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

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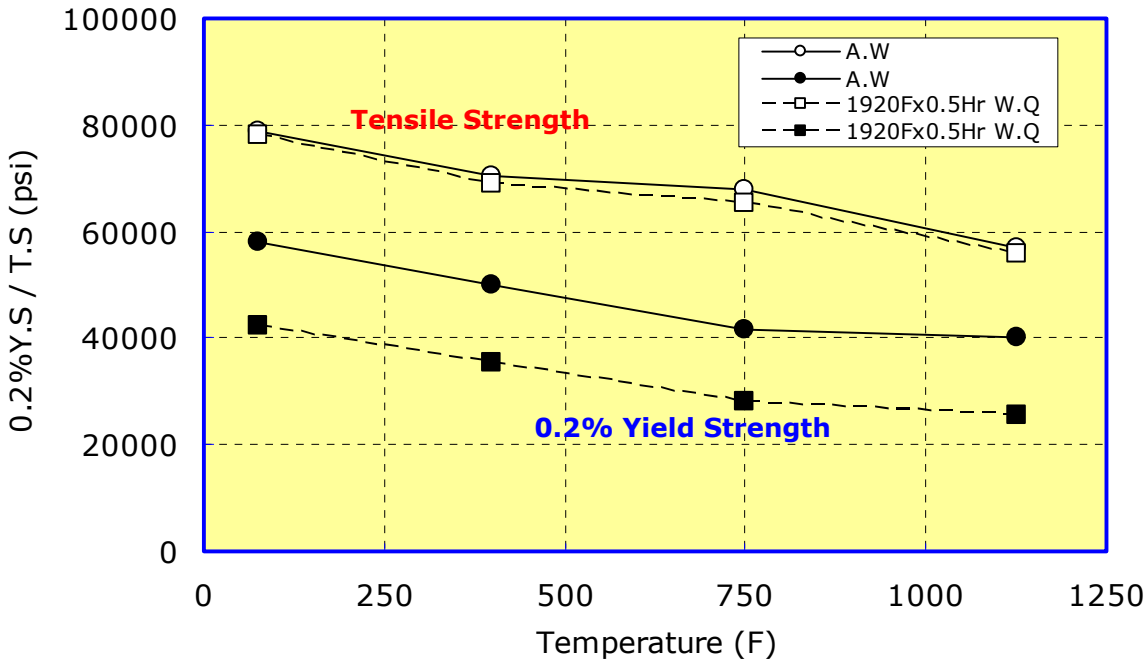
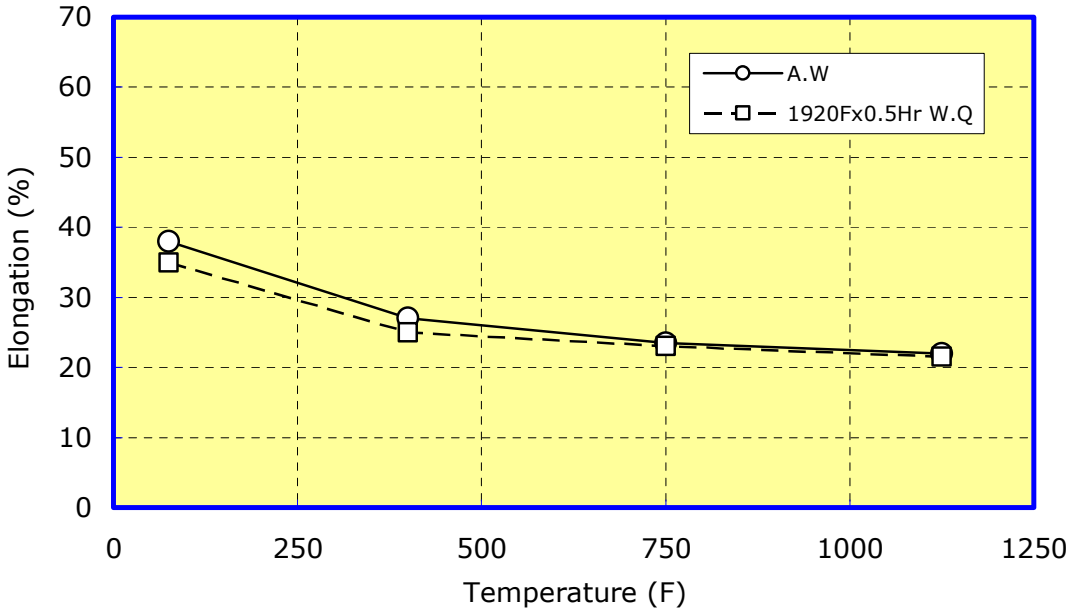
July 2018





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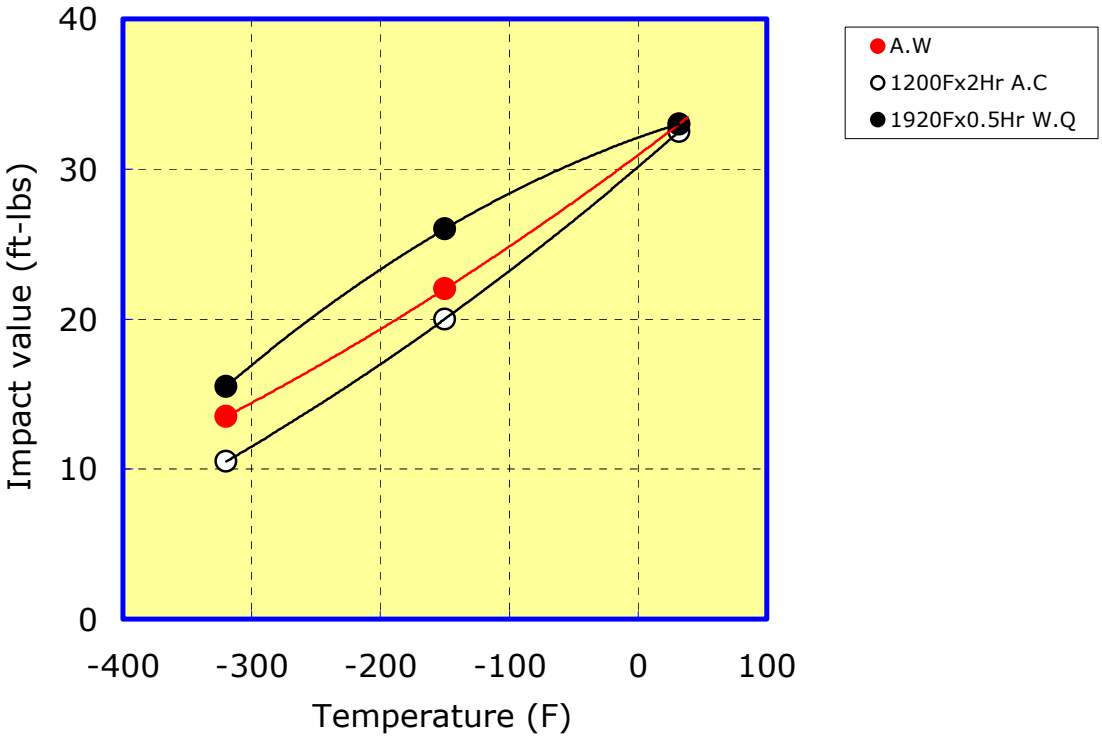
1-3. Impact Test



1-4. Corrosion Test

5% Sulfuric Acid Test

PWHT	Test Results ($g/m^2 \cdot Hr$)
As Welded	5.8
1,920 ° F x 0.5hr	5.6

Copper Sulfate Sulfuric Acid Test

PWHT : 1200° F x 2Hr

Bend Test Results : No Defect

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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.P65Warning.ca.gov.