

DW-317L

**Classification: AWS A5.22 E317LT0-1
AWS A5.22 E317LT0-4**

All-Weld-Metal (100%CO₂)

1-1. Chemical Composition

[Unit: mass%]

	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-317L	0.02	1.03	0.43	0.016	0.012	12.74	18.95	3.24	0.063
E317LT0-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	11.0~14.0	18.0~21.0	3.0~4.0	-----
	WRC-1992 (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-317L	7.4		8.1			9.2			
E317LT0-X	-----		-----			-----			

1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-317L	59,706	88,615	36	45
E317LT0-X	---	>75,000	>20	---

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

1-3. Corrosion Test

5% Sulfuric Acid Test

PWHT	Test Results (g/m ² ·Hr)
As Welded	5.9

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.

Kobelco Welding of America. Inc.

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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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