

## DW-317L

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

**All-Weld-Metal (100%CO<sub>2</sub>)**

### 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- <sub>1992</sub> (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 <sup>2</sup> ·Hr)
As Welded	5.9

Copper Sulfate Sulfuric Acid Test

PWHT : 1200° F x 2Hr

Bend Test Results : No Defect

**Kobelco Welding of America. Inc.**