



# Unibraze EB2

## (EB2)

Unibraze EB2 is used for submerged arc welding of 1¼ Cr – ½ Mo steels at elevated temperatures. Careful control of preheat, interpass temperatures, and post-weld heat treatment is necessary to prevent cracking.

### **Typical Chemical Composition**

Carbon	0.07 – 0.12
Manganese	0.40 – 0.60
Chromium	1.20 – 1.50
Molybdenum	0.40 – 0.65
Silicon	0.40 – 0.70
Copper	0.35
Nickel	0.20
Phosphorus	0.25
Sulfur	0.025
Others	0.50

### **Typical Mechanical Properties (As welded)**

Tensile Strength	80,000 psi, min. (550 MPa)
Yield Strength	68,000 psi, min. (470 MPa)
Elongation in 2"	19% min

### **Specifications**

AWS A5.23 / ASME SFA5.23 Class EB2

### **Standard Sizes**

SAW 5/64" 3/32" 1/8" X 55 lb coils