

Specifications:

AWS A5.9
 AWS ER308H
 ASME SFA 5.9
 UNS W30880

Properties:

Yield Strength: 61,000 psi
Tensile Strength: 90,000 psi
Elongation: 41%

Description:

Alloy ER308H is a stainless steel bare electrode that has been made to run on direct current, alternating current, and reversed polarity. The electrode has a Carbon content of 0.04% minimum and maximum of 0.08%, which allows for higher tensile strength at higher temperatures. This electrode is designed to be welding in wrought or cast form with alloys of similar composition. This electrode is best suited in petroleum and chemical processing plants as well as welding equipment for food processing.

Available in multiple sizes and diameters

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
0.30-0.65	1.0-2.5	0.75	0.50	0.03	9.0-11.0	19.5-22.0	0.03	0.04-0.08

Note: Single values are maximum unless otherwise noted.

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126; OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.