

Specifications:

AWS A5.9
 AWS Class ER320LR
 ASME SFA 5.9
 UNS N08022

Properties:

Tensile Strength: 86,000 psi
Yield Strength: 57,500 psi
Elongation: 35%

Description:

ER320LR contains lower elements of C, Si, P, and S reduce weld metal hot cracking and fissuring while maintaining the corrosion resistance frequently encountered in fully austenitic stainless steel weld metals. Filler metals of this classification are typically used to weld metals of similar composition for applications where resistance to severe corrosion involving a wide range of chemicals--including sulfuric and sulfurous acids and their salts--is required.

Available in multiple sizes and diameters

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	Nb+Ta
0.15	1.5-2.0	3.0-4.0	2.0-3.0	0.02	32.0-36.0	19.0-21.0	0.015	0.025	(8 x C) min-0.4 max

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.