ER383
Data Sheet

Specifications:

AWS A5.9
AWS Class ER383
ASME SFA 5.9
UNS N08028

Properties:

Tensile Strength: 95,500 psi
Yield Strength: 64,000
Elongation: 42%

Description:

ER383 is used to weld to base metals of itself or of other grades of stainless steel. ER383 contains a low maximum of carbon, silicon, and sulfur to decrease the hot cracking and fissuring, while maintaining the resistance to corrosion.

Available in multiple sizes and diameters

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	N
0.4	1.6	0.90	3.8	0.01	32.2	28.5	0.018	0.02	0.06

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 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.