

Weldcote Metals
 Alloy ER70S-3
 AWS A5.18



Description and Applications:

ER70S-3 is intended for welding single-pass and multi-pass welds. It provides sufficient deoxidation to allow welding over light mill scale. Typical base metal specifications are often the same as those for ER70S-2.

Chemical Composition of ER70S-3

C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu	Ti	Zr	Al
0.06-0.15	0.90-1.40	0.45-0.75	0.025	0.035	0.15	0.15	0.15	0.03	0.50	--	--	--

Single values are maximum unless otherwise specified.

(As Welded)

Shielding Gas:		CO ₂
Tensile Strength (min)	psi:	70,000
	MPa:	480
Yield Strength (min)	psi:	58,000
	MPa:	400
Elongation % (min)		22

Weldcote Metals believes this data to be accurate and to reflect qualified expert opinion regarding current research. However, Weldcote Metals can not make any expressed or implied warranty as to this information.