

TECHALLOY® X

Nickel ■ AWS ERNiCrMo-2

KEY FEATURES

- The Ni-Cr-Mo alloy system provides excellent resistance to oxidizing and reducing environments
- Meets AMS 5798G chemical and tolerance requirements
- Q2 Lot® -Certificate showing actual deposit composition available online

WELDING POSITIONS

All

CONFORMANCES

AWS A5.14/A5.14M:
UNS

ERNiCrMo-2
N06002

TYPICAL APPLICATIONS

- Used for TIG and MIG welding of nickel-chromium-molybdenum alloys

DIAMETERS / PACKAGING

Diameter in (mm)	MIG 33 lb (14.9 kg) Wire Basket	TIG 10 lb (4.5 kg) Tube 30 lb (13.6 kg) Master Carton
0.035 (0.9)	MGX035667	
0.045 (1.1)	MGX045667	
1/16 (1.6)		TGX062638
3/32 (2.4)		TGX093638
1/8 (3.2)		TGX125638

WIRE COMPOSITION⁽¹⁾ - As Required per AWS A5.14

	%C	%Mn	%Si	%S	%P	%Cr	%Ni
Requirements AWS ERNiCrMo-2	0.05 - 0.15	1.0 max	1.0 max	0.03 max	0.04 max	20.5 - 23.0	remainder
Typical Results⁽²⁾	0.10	0.03	0.10	<0.001	0.01	21.7	48
	%Mo	%Cu	%Fe	%Co	%W	Other Elements, Total %	
Requirements AWS ERNiCrMo-2	8.0 - 10.0	0.50 max	17.0 - 20.0	0.5 - 2.5	0.2 - 1.0	0.50 max	
Typical Results⁽²⁾	9.3	0.01	18.6	1.9	0.6	<0.50	

⁽¹⁾ Typical all weld metal. ⁽²⁾ See test results disclaimer on pg. 13.