

NICKEL-BASED ALLOYS

Our commitment to perfecting the consumables manufacturing process has allowed Lincoln Electric to build the most complete portfolio of nickel welding alloys in the industry. Our nickel alloys are specifically designed to perform with our high tech equipment and engineered waveforms to provide an unparalleled nickel welding experience for almost any corrosive environment.



Application	Stick Electrode (AWS Classification)	Solid Wire - MIG/TIG/SAW (AWS Classification)	FCAW (AWS Classification)
Ni	Tech-Rod® 99 (ENi-CI) Tech-Rod 141 (ENi-1)	Techalloy® 99 (ERNi-CI) Techalloy 208 (ERNi-1)	
Ni/Fe	Tech-Rod 55 (ENiFe-CI)	Techalloy 55 ⁽¹⁾	
Ni/Cr	Tech-Rod 182 (ENiCrFe-3)	Techalloy 606 (ERNiCr-3)	
Ni/Cr/Fe	Tech-Rod Weld A (ENiCrFe-2)	Techalloy 718 (ERNiFeCr-2) Techalloy 825 (ERNiFeCr-1)	
Ni/Cr/Mo	Tech-Rod 112 (ENiCrMo-3) Tech-Rod 122 (ENiCrMo-10) Tech-Rod 276 (ENiCrMo-4)	Techalloy 625 (ERNiCrMo-3) Techalloy 622 (ERNiCrMo-10) Techalloy 276 (ERNiCrMo-4)	Supercore® 625P (ENiCrMo3T1-4)
Ni/Cr/Mo/W/Co	Tech-Rod 117 (ENiCrCoMo-1)	Techalloy 617 (ERNiCrCoMo-1)	
Ni/Cu	Tech-Rod 190 (ENiCu-7)	Techalloy 418 (ERNiCu-7)	
Cu/Ni	Tech-Rod 187 (ECuNi)	Techalloy 413 (ERCuNi)	

⁽¹⁾AWS Similar to ENiFe-CI.

NOTE: Recommended flux for SAW nickel applications, Lincolnweld P2000, P2007. For more information on our nickel alloys visit, www.lincolnelectric.com/alloys