

STAINLESS STEEL ALLOYS

Our goal is to meet the demands of your stainless steel applications, including the most critical demands of the nuclear industry. We analyze every stage of the manufacturing process, to ensure that every spool of wire and every stick electrode provides consistent mechanical properties for optimal performance. With this type of attention to detail we can produce the highest quality, most dependable, stainless steel consumables in the industry.

Application	Stick Electrode (AWS Classification)	MIG (AWS Classification)
Cr/Ni	Excalibur® 308L-15,-16,-17 (E308/308L-15,-16,-17) Excalibur 347 (E347-16)	Blue Max® 308LSi (ER308Si, ER308LSi) Blue Max 308L (ER308L) Blue Max 347 (ER347)
Cr/Ni/Mo	Excalibur 316L-15,-16,-17 (E316/316L-15,-16,-17) Excalibur 317L (E317L-16)	Blue Max 316LSi (ER316Si, ER316LSi) Blue Max 316L (ER316L) Blue Max 317L (ER317L)
Dissimilar Welds	Excalibur 309/309L-15,-16,-17 (E309/309L-15,-16,-17) Excalibur 312 (E312-16)	Blue Max 309LSi (ER309Si, ER309LSi) Blue Max 309L (ER309L) Blue Max 309LMo ⁽¹⁾ Blue Max 307 ⁽²⁾ Blue Max 312 (ER312)
Duplex and Super Duplex	Excalibur 2209 (E2209-16) Excalibur 2594 (E2594-16)	Blue Max 2209 (ER2209) Blue Max 2594 (ER2594)
High Heat	Excalibur 308H (E308-16/308H-16) Excalibur 310 (E310-16) Excalibur 320LR (E320LR-16) Excalibur 330 (E330-16)	Blue Max 308H (ER308H) Blue Max 310 (ER310) Blue Max 320LR (ER320LR) Blue Max 330 (ER330)
Specialty Stainless	Excalibur 410 (E410-16) Excalibur 410NiMo (E410NiMo-16) Excalibur 385 (E385-16) Excalibur 630 (E630-16) UltraMet® 308LCF (E308L-16) UltraMet 316LCF (E316L-16)	Blue Max 410 (ER410) Blue Max 410NiMo (ER410NiMo) Blue Max 385 (ER385) Blue Max 630 (ER630) Blue Max 409Nb (ER409Nb) Blue Max 308LCF (ER308, ER308L) Blue Max 316LCF (ER316, ER316L)

⁽¹⁾ ISO 14343-A 23 12 2 L, similar to ER309LMo ⁽²⁾ISO 14343-A 18 8 Mn; Similar to ER307.

NOTE: Recommended flux for stainless steel applications, Lincolnweld P2000, P2007, ST100. For more information on our stainless steel alloys visit, www.lincolnelectric.com/alloys



TIG (AWS Classification)	SAW (AWS Classification)	Flux-Cored (AWS Classification)
Lincoln® ER308/308L (ER308, ER308L) Lincoln 347 (ER347)	Lincolnweld® 308/308L (ER308, ER308L) Lincolnweld 347 (ER347)	UltraCore® FC 308L (E308T0-1/4, E308LT0-1/4) UltraCore FCP 308L (E308LT1-1/4, E308T1-1/4) Supercore® 347 (E347T0-1/4)
Lincoln ER316/316L (ER316, ER316L) Lincoln 317L (ER317L)	Lincolnweld 316/316L (ER316, ER316L) Lincolnweld 317L (ER317L)	UltraCore FC 316L (E316T0-1/4, E316LT0-1/4) UltraCore FCP 316L (E316LT1-1/4, E316T1-1/4) Supercore 317 LP (E317LT1-1/4)
Lincoln ER309/309L (ER309, ER309L) Lincoln 309LMo	Lincolnweld 309/309L (ER309, ER309L) Lincolnweld 309LMo	UltraCore FC 309L (E309T0-1/4, E309LT0-1/4) UltraCore FCP 309L (E309LT1-1/4, E309T1-1/4)
Lincoln 2209 (ER2209) Lincoln 2594 (ER2594)	Lincolnweld 2209 (ER2209) Lincolnweld 2594 (ER2594)	Supercore 2205P (E2209T1-1/4) Supercore 2507P (E2594T1-1/4)
Lincoln 308H (ER308H) Lincoln 310 (ER310) Lincoln 320LR (ER320LR) Lincoln 330 (ER330)	Lincolnweld 308H (ER308H)	Supercore 308HP (E308HP1-1/4)
Lincoln 410 (ER410) Lincoln 410NiMo (ER410NiMo) Lincoln 385 (ER385) Lincoln 630 (ER630) Lincoln 409Nb (ER409Nb) Lincoln 308/308LCF (ER308, ER308L) Lincoln 316/316LCF (ER316, ER316L)	Lincolnweld 410 (ER410) Lincolnweld 410NiMo (ER410NiMo) Lincolnweld 385 (ER385) Lincolnweld 308/308LCF (ER308, ER308L) Lincolnweld 316/316LCF (ER316, ER316L)	Supercore 308LCF (E308LT1-1/4) Supercore 316LCF (E316LT1-1/4)