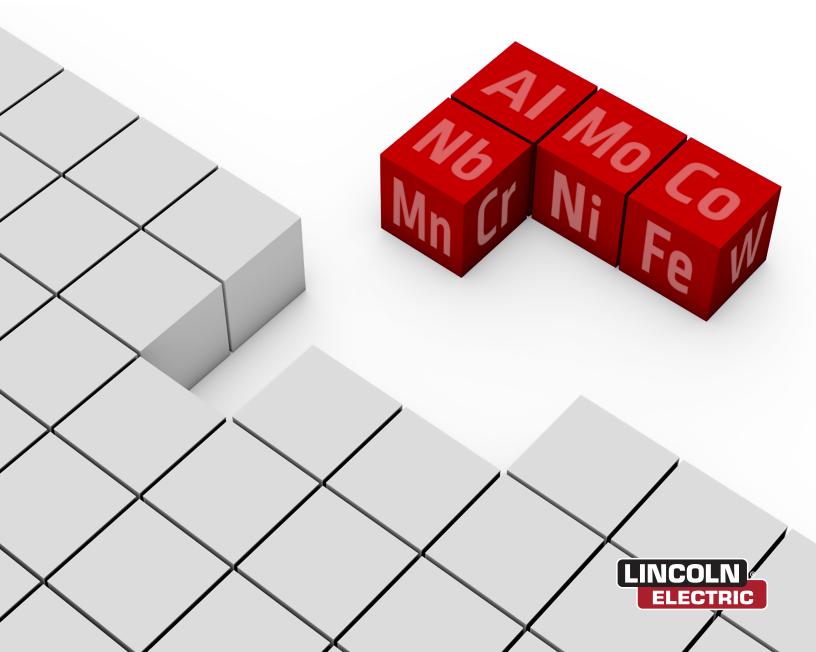
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PROCESS	AWS CLASS	PRODUCT NAME	APPLICATION / BASE METAL
	ER4043	SuperGlaze 4043	Heat treatable 6XXX grade series
	ER4047	SuperGlaze 4047	6XXX grade series with high silicon levels for heat exchangers and the automotive industry
	ER5183	SuperGlaze 5183	5083 & 5456 grade materials
		SuperGlaze HD 5183	5083 & 5456 grade materials for demanding applications or long feeding systems
	ER5356	SuperGlaze 5356	5XXX grade series
GMAW		SuperGlaze 5356 TM™	5XXX grade series for trailer manufacturers
		SuperGlaze HD 5356	5XXX grade series for demanding applications or long feeding systems.
		SuperGlaze HD 5356 TM	5XXX grade series for demanding applications or long feeding systems in trailer manufacturing
	ER5554	SuperGlaze 5554	5454 grade materials
	ER5556	SuperGlaze 5556	High strengh 5XXX grade series, 5083 grade
		SuperGlaze HD 5556	High strength 5XXX grade series for demanding applications or long feeding systems
TIG	ER4043	SuperGlaze 4043	Heat treatable 6XXX grade series
	ER5356	SuperGlaze 5356	5XXX grade series



PROCESS	AWS CLASS	PRODUCT NAME	APPLICATION / BASE METAL	
	E308-15 / E308L-15	EXCALIBUR* 308/308L-15	5 (1) (2011	
	E308L-16	EXCALIBUR 308L-16	Cr/Ni for 304L	
	E308-16 / E308H-16	EXCALIBUR 308/308H-16	High Heat for 304H	
	E308-17 / E308L-17	EXCALIBUR 308/308L-17	Cr/Ni for 304L	
	E309-15 / E309L-15	EXCALIBUR 309/309L-15		
	E309-16 / E309L-16	EXCALIBUR 309/309L-16	Dissimiliar Welds	
	E309-17 / E309L-17	EXCALBUR 309/309L-17		
	E310-16	EXCALIBUR 310-16	High Heat Service	
	E312-16	EXCALIBUR 312-16	Dissimiliar Welds	
	E316-15 / E316L-15	EXCALIBUR 316/316L-15	Cr/Ni/Mo for 316L	
	E316-16 / E316L-16	EXCALIBUR 316/316L-16		
	E316-17 / E316L-17	EXCALIBUR 316/316L-17		
	E320LR-16	EXCALIBUR 320LR-16	High Heat, Welding Alloy 20	
	E330-16	EXCALIBUR 330-16	High Heat Service; Welding 330	
	E347-16	EXCALIBUR 347-16	Nb stabilized for 347/321	
	E385-16	EXCALIBUR 385-16	904L Welding	
SMAW	E410-16	EXCALIBUR 410-16	Martensitic Stainless	
	E410NiMo-16	EXCALIBUR 410NIMO-16	Martensitic Stainless	
	E630-16	EXCALIBUR 630-16	PH for 15/5 & 17/4	
	E2209-16	EXCALIBUR 2209-16	22Cr Duplex for 2205	
	E2594-16	EXCALIBUR 2594-16	25Cr Super Duplex for 2507	
	E308L-16	ULTRAMET® 308LCF	Controlled FN for Cryo	
	E316L-16	ULTRAMET 316LCF	Controlled FN for Cryo	
	Similar to E316LMn-15	ULTRAMET B™ 316NF	Non-magnetic 316L	
	E16-8-2-15*	E16.8.2 - 15	304H/316H Welding	
	E16-8-2-15*	SUPERMET™ 16.8.2	304H/316H Welding	
	N/A	THERMET™ 22H	Welding heat resistant castings	
	N/A	THERMET 25.35Nb	Welding HP100b high heat castings	
	N/A	THERMET 35.45Nb	Welding heat resistant castings	
	N/A	THERMET 800Nb	Welding Alloy 800	
	BS 25.35.H.Nb.B*	THERMET HP40Nb	Welding heat resistant castings	
	N/A	THERMET HP50WC0	Welding heat resistant castings	
	ER308 / ER308H	LINCOLN* ER308/308H	High Heat	
	ER308 / ER308L	LINCOLN ER308/308L	Cr/Ni for 304L	
	ER308 / ER308L	LINCOLN ER308/308LCF	Controlled Ferrite for Cryo	
	ER309 / ER309L	LINCOLN ER309/309L	Dissimiliar Welds	
	ER310	LINCOLN ER310	High Heat Service	
	ER312	LINCOLN ER312	Dissimiliar Welds	
-	ER316 / ER316L	LINCOLN ER316/316L	Cr/Ni/Mo for 316L	
	ER316 / ER316L	LINCOLN ER316/316LCF	Controlled Ferrite for Cryo	
	ER317 / ER317L	LINCOLN ER317/317L	Cr/Ni/Mo for 317L	
GTAW	ER320LR	LINCOLN ER320LR	High Heat, Welding Alloy 20	
UIAW	ER347	LINCOLN ER347	Nb stablized for 347 and 321	
	ER385	LINCOLN ER385	Welding 904L Stainless	
	ER409Nb	LINCOLN ER409Nb	Ferritic Stainless for Exhausts	
	ER410	LINCOLN ER410	Martensitic Stainless	
	ER410NiMo			
-	ER630	LINCOLN ERGO	Martensitic Stainless PH Stainless for 17-4 and 15-5	
-		LINCOLN ERG30		
_	ER2209	LINCOLN ER2209	22 Cr Duplex for 2209	
	ER2594	LINCOLN ER2594	25 Cr Super Duplex for 2507	
	ER16.8.2	ER16.8.2	High Heat for 304H and 316H	
ODDITAL CTAVA	ER308 / ER308L	BLUE MAX ORBITAL TIG 308/308L	Cr/Ni	
ORBITAL GTAW	ER309 / ER309L	BLUE MAX ORBITAL TIG 309/309L	Dissimiliar Welds	
	ER316 / ER316L	BLUE MAX ORBITAL TIG 316/316L	Cr/Ni/Mo	
GMAW-C	EC409	PRIMALLOY™ T-409Ti	Ferritic Stainless for	
	EC439	PRIMALLOY T-439Ti	Automotive Exhausts	

PROCESS	AWS CLASS	PRODUCT NAME	APPLICATION / BASE METAL	
	Similar to ER307	BLUE MAX MIG 307_MOD	Dissimiliar Welds	
	ER308H	BLUE MAX MIG 308H	High Heat	
	ER308L	BLUE MAX MIG 308L	Cr/Ni	
	ER308SI / ER308LSI	BLUE MAX MIG 308LSi		
	ER308L	BLUE MAX MIG 308LCF	Controlled Ferrite for Cryo	
	ER309L	BLUE MAX MIG 309L	Dissimiliar Welds	
	ER309SI / ER309LSI	BLUE MAX MIG 309LSi		
	Similar to ER309LM0 ER310	BLUE MAX MIG 309LMO_MOD	Dissimiliar Welds and buffer layer for overlays	
	ER312	BLUE MAX MIG 310 BLUE MAX MIG 312	High Heat Dissimiliar Welds	
	ER316L	BLUE MAX MIG 312		
	ER316SI / ER316LSI	BLUE MAX MIG 316LSi	Cr/Ni/Mo	
GMAW	ER316L	BLUE MAX MIG 316LCF	Controlled Ferrite for Cryo	
GIVIAVV	ER317L	BLUE MAX MIG 317L	Cr/Ni/Mo	
	ER320LR	BLUE MAX MIG 320LR	High Heat, Welding Alloy 20	
	ER330	BLUE MAX MIG 330	High Heat Service; Welding 330	
	ER347	BLUE MAX MIG 347	Nb stabilized for 321 and 347	
	ER385	BLUE MAX MIG 385	Welding 904L Stainless	
	ER409NB	BLUE MAX MIG 409NB	Ferritic stainless for Exhausts	
	ER410	BLUE MAX MIG 410	Martensitic Stainless	
	ER410NiMo	BLUE MAX MIG 410NiMo	Martensitic Stainless	
	ER420	BLUE MAX MIG 420	Martensitic Stainless	
	ER630	BLUE MAX MIG 630	PH Stainless for 17-4 and 15-5	
	ER2209	BLUE MAX MIG 2209	Duplex	
	ER2594	BLUE MAX MIG 2594	Super Duplex	
	E308T0-1 / E308T0-4	ULTRACORE® FC 308L	Flat Position; Cr/Ni	
	E308LT0-1 / E308LT0-4	OLINACORE PC 300L	riat Position, Civin	
	E308T1-1 / E308T1-4 E308LT1-1 / E308LT1-4	ULTRACORE FCP 308L	Positional; Cr/Ni	
	E309T0-1 / 309T0-4 E309LT0-1 / E309LT0-4	ULTRACORE FC 309L	Flat position; Dissimilar Welds	
	E309T1-1 / E309T1-4 E309LT1-1 / E309LT1-4	ULTRACORE FCP 309L	Positional; Dissimilar Welds	
	E316T0-1 / E316T0-4 E316LT0-1 / E316LT0-4	ULTRACORE FC 316L	Flat position; Cr/Ni/Mo	
EC AVA/	E316T1-1 / E316T1-4 E316LT1-1 / E316LT1-4	ULTRACORE FCP 316L	Positional; Cr/Ni/Mo	
FCAW	E308LT1-1/4J	SUPERCORE™ 308LCF	All position;	
	E316LT1-1/4J	SUPERCORE 316LCF	Controlled Ferrite for Cryo	
	E347T0-1/4	SUPERCORE 347	Flat position; Cr/Ni	
	E2209T1-1/4	SUPERCORE 2205P	All position; Duplex	
	E2594T0-4	SUPERCORE 2507	Flat position; Super Duplex	
	E2594T1-4	SUPERCORE 2507P	All position; Super Duplex	
	E308HT1-1/4	SUPERCORE 308HP	All position; High Heat	
	E317LT1-1/4	SUPERCORE 317LP	All position; Cr/Ni/Mo	
	E410NiMoT1-1/4	SUPERCORE 410NiMo	All position; Specialty Stainless	
	N/A	SUPERCORE 16.8.2P	All position; High Heat, 304H/316H	
	E2594T1-4	SUPERCORE Z100XP	All position; Super Duplex	
	ER308 / ER308L	LINCOLNWELD* 308/308L	Cr/Ni	
	ER308H	LINCOLNWELD 308/308H	High Heat	
	ER308 / ER308L	LINCOLNWELD 308/308LCF	Controlled Ferrite for Cryo	
	Similar to ER309LMO	LINCOLNWELD 309LMO_MOD	Dissimiliar Welds	
	ER310	LINCOLNWELD 310	High Heat	
	ER309 / ER309L	LINCOLNIWELD 309/309L	Dissimiliar Welds	
	ER316 / ER316L	LINCOLNWELD 316/316L	Cr/Ni/Mo Controlled Ferrite for Cryo	
	ER316 / ER316L ER317L	LINCOLNWELD 316/316LCF	Controlled Ferrite for Cryo Cr/Ni/Mo	
	ER317L ER320LR	LINCOLNWELD 317/317L LINCOLNWELD 320LR	Lf/Ni/Mo High Heat	
SAW	ER320LR ER347		Nb stabilized for 321 and 347	
	ER347 ER385	LINCOLNWELD 347 LINCOLNWELD 385	Welding 904L Stainless	
	ER410NiMo	LINCOLNWELD 385	Martensitic Stainless	
	ER41UNIMO ER630	LINCOLNWELD 410NIMO LINCOLNWELD 630	PH Stainless for 17-4 and 15-5	
	ER2209	LINCOLNWELD 630 LINCOLNWELD 2209	Duplex	
	ER2209 ER2594	LINCOLNWELD 2209 LINCOLNWELD 2594	Super Duplex	
	ER16-8-2	ER16.8.2	High Heat; Welding 304H and 316H	
	ISO 760 - SA AF 2	LINCOLNWELD P2000™	ingii iicat, vveiuing 3040 aliu 3100	
	ISO 760 - SA AF 2	LINCOLNWELD P2007™	Flux	



BASE	PROCESS	APPLICATION	PRODUCT NAME	AWS CLASS	
		Build-Up	WEARSHIELD® BU		
		D 1111 D 11D 15	WEARSHIELD FROG MANG®		
		Build-Up Rail Road Frogs	WEARSHIELD SUPER RAIL™		
		Metal-to-Metal	WEARSHIELD MI		
		Severe Impact	WEARSHIELD MANGJET®		
	SMAW	Severe Impact + Joining MN Steels	WEARSHIELD 15CRMN		
		Moderate Impact + Abrasion	WEARSHIELD ABR		
		Abrasion + Impact	WEARSHIELD 44		
		Metal-to-Earth	WEARSHIELD ME		
		Course Alexanian	WEARSHIELD 60		
		Severe Abrasion	WEARTECH® SHS® 9700E		
		Joining Hard to Weld Materials	BLUE MAX 2100		
			LINCORE® 30-S		
		Build-Up	LINCORE 32-S		
			LINCORE 35-S		
			LINCORE 20		
		Build-Up - Roll Rebuilding	LINCORE 4130		
			LINCORE 8620	-	
		Motal to Motal	LINCORE 40-S		
IDON		Metal-to-Metal	LINCORE 42-S	N/A	
IRON			LINCORE 410		
	SAW-C		LINCORE 410NiMo		
		Metal-to-Metal - Roll Rebuilding	LINCORE 423L		
			LINCORE 423CR		
			LINCORE 420		
			LINCORE 414N		
			LINCORE 423N		
			LINCORE 96-S		
			LINCORE 102W		
			LINCORE 102HC		
		Severe Abrasion	LINCORE GATORBACK-S™		
		Type 420 stainless deposit with a carbon content near the high side for as-welded hardness	LINCOLNWELD A-96-S		
	ALLOY FLUX	Good metal-to-metal wear; allows for some machinability	LINCOLNWELD H-535™		
		High alloy flux, excellent for severe abrasion	LINCOLNWELD H-560™		
	NEUTRAL FLUX	Use with Lincore® 20, 30-S, 35-S, 40-S, 42-S, 4130, 8620, 410, 410NiMo, 420, 96S	LINCOLNWELD 801°		
	NEUTRALFLUX	Use with Lincore 102W, 423L, 423Cr & 102HC	LINCOLNWELD 802°		
		Build-Up	LINCORE® BU-G		
	GMANN 5	Metal-to-Metal	LINCORE 55-G		
	GMAW-C	Hardbanding Drill Pipe	WEARTECH GUARDIAN™ HB		
		Hardbanding Drill Pipe	WEARTECH GUARDIAN CF		

BASE	PROCESS	APPLICATION	PRODUCT NAME	AWS CLASS	
		Build-Up	LINCORE BU		
		Βαιια-Ομ	LINCORE 33		
			LINCORE 40-0		
IRON (AR		Metal-to-Metal	LINCORE 55		
			LINCORE T & D		
		Impact	LINCORE M		
		ппрасс	LINCORE 15CRMN		
		Build-Up Rail Road Frogs	LINCORE FROG MANG		
		bullu-op Kall Koau Flogs	LINCORE SUPER RAIL		
		Abrasion + Impact	LINCORE 50		
	FCAW-S		LINCORE 60-0		
	FCAVV-3		LINCORE ULTRA K		
			LINCORE 65-0		
			LINCORE BCR-0		
IDON			LINCORE BNB-0	N/A	
IKUN		Course Alexanian	LINCORE GATORBACK-O	- N/A	
		Severe Abrasion	LINCORE ULTRA R		
			LINCORE TICORE™		
			WEARTECH SHS® 9800U		
			WEARTECH SHS 9700U		
			WEARTECH SHS 9192U		
			WEARTECH SHS 9500U		
			WEARTECH SHS 7570W		
	THSP-ASP (ARC SPRAY WIRE)	Severe Abrasion	WEARTECH SHS 8000W		
	(intestriction trine)		WEARTECH SHS 9172W		
	PAW (PLASMA		WEARTECH SHS 9290P		
	ARC POWDER)	Severe Abrasion	WEARTECH SHS 9700P		
			WEARTECH SHS 7574HV		
	THSP-HVOF (THERMAL SPRAY POWDER)	Severe Abrasion	WEARTECH SHS 8000HV		
	SI KATT SWEEK		WEARTECH SHS 9172HV	-	
		High Heat Abrasion Resistance	WEARTECH WT°-1 SMAW	ECoCr-C	
		High Heat Metal-to-Metal	WEARTECH WT-6 SMAW	ECoCr-A	
	SMAW	Abrasion & Erosion	WEARTECH WT-12 SMAW	ECoCr-B	
		High Heat Abrasion & Impact	WEARTECH WT-21 SMAW	ECoCr-E	
		High Heat Abrasion Resistance	WEARTECH WT-1 TIG	ERCoCr-C	
		High Heat Metal-to-Metal	WEARTECH WT-6 TIG	ERCoCr-A	
COBALT BASED	GTAW	Abrasion & Erosion	WEARTECH WT-12 TIG	ERCoCr-B	
		High Heat Abrasion & Impact	WEARTECH WT-21 TIG	ERCoCr-E	
		High Heat Abrasion Resistance	WEARTECH WT-1 GMAW-C	ERCCoCr-C	
	CMAN:	High Heat Metal-to-Metal	WEARTECH WT-6 GMAW-C	ERCCoCr-A	
	GMAW-C	Abrasion & Erosion	WEARTECH WT-12 GMAW-C	ERCCoCr-B	
		High Heat Abrasion & Impact	WEARTECH WT-21 GMAW-C	ERCCoCr-E	
		Abrasion & Corrsion	WEARTECH WT-40 TIG	ERNiCr-A	
Merce		Abrasion Metal-to-Metal	WEARTECH WT-50 TIG	ERNiCr-B	
NICKEL BASED	GTAW	Abrasion, Pitting & Corrsion	WEARTECH WT-56 TIG	N/A	
		Abrasion, Galling & Metal-to-Metal	WEARTECH WT-60 TIG	ERNiCr-C	



PROCESS	AWS CLASS / BS-EN OR EN-ISO STANDARD	PRODUCT NAME	APPLICATION / BASE METAL	
	ENiFe-Cl	TECH-ROD [®] 55	Cast iron	
	ENi-Cl	TECH-ROD 99	Machinable deposit on cast iron	
	ENiCrMo-3	TECH-ROD 112	Welding 625 and other Ni/Cr alloys	
	ENiCrMo-3	TECH-ROD 112LFe		
	ENiCrCoMo-1	TECH-ROD 117	Welding high temperature Ni	
CMANN	ENiCrMo-10	TECH-ROD 122	Welding C-22	
SMAW	ENi-1	TECH-ROD 141	Ni Alloys (Alloy 200)	
	ENiCrFe-3	TECH-ROD 182	Welding Ni/Cr Alloys; dissimilar Ni welds	
	ECuNi	TECH-ROD 187	Cu/Ni Alloys	
	ENiCu-7	TECH-ROD 190	Ni/Cu alloys (Alloy 400)	
	ENiCrMo-4	TECH-ROD 276	Ni/Cr/Mo; Welding 276	
	ENiCrFe-2	TECH-ROD WELD A	Ni/Cr/Fe; Welding dissimilar Metals	
	Similar to ErNiFe-Cl	TECHALLOY® 55	Cast iron	
	ERNi-Cl	TECHALLOY 99	Machinable Deposit on Cast Iron	
	ERNi-1	TECHALLOY 208	Ni Alloys (Alloy 200)	
	ERNiCrMo-4	TECHALLOY 276	Ni/Cr/Mo; Welding Alloy 276	
	ERCuNi	TECHALLOY 413	Cu/Ni Alloys	
	ERNiCu-7	TECHALLOY 418	Ni/Cu (Alloy 400)	
GMAW/GTAW/SAW	ERNiCr-3	TECHALLOY 606	Ni/Cr Alloys; Welding dissimilar Metals	
	ERNiCrCoMo-1	TECHALLOY 617	Welding High Temperature Ni	
	ERNiCrMo-10	TECHALLOY 622	Welding Alloy 625 and other NiCr Alloy	
	ERNiCrMo-3	TECHALLOY 625		
	ERNiFeCr-2	TECHALLOY 718	PH Nickel for Alloy 718	
	ERNiFeCr-1	TECHALLOY 825	Ni/Cr/Fe	
	ERNiCrMo-2	TECHALLOY X	Ni/Cr/Mo	
FCAW	ENiCrMo3T1-4	SUPERCORE 625P	All position; Welding Alloy 625	

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- **Prepaid Freight** Lincoln Electric pays for the freight on all alloy product orders in excess of \$250.
- Efficient Order Process Efficient Order Process -Place a single PO for all alloy and non-alloy Lincoln Electric products.
 - In Stock Availability We have all alloys in stock so you don't have to stock expensive materials.
 - **Advanced Technology Solutions** Partnering with Lincoln Electric allows you access to the foremost technical alloy experts in the industry.

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