

F NUMBER Grouping of Electrodes & Welding Rods for Qualification

QW	F No	ASME Spec#	AWS Classification No.			QW	F No	ASME Spec#	AWS Classification No.		
Steel & Steel Alloy						Copper and Copper Alloys cont'd					
	1	SFA-5.1	EXX20	EXX22	EXX24	34	SFA-5.7	ERCuNi			
			EXX27	EXX28		34	SFA-5.30	IN67			
	1	SFA-5.4	EXXX(X)-25	EXXX(X)-26		35	SFA-5.8	RBCuZn-A	RBCuZn-B	RBCuZn-C	
	1	SFA-5.5	EXX20-X	EXX27-X				RBCuZn-D			
	2	SFA-5.1	EXX12	EXX13	EXX14	36	SFA-5.6	ECuAl-A2	ECuAl-B		
			EXX19			36	SFA-5.7	ERCuAl-A1	ERCuAl-A2	ERCuAl-A3	
	2	SFA-5.5	E(X)XX13-X			37	SFA-5.6	ECuNiAl	ECuMnNiAl		
	3	SFA-5.1	EXX10	EXX11		37	SFA-5.7	ERCuNiAl	ERCuMnNiAl		
	3	SFA-5.5	E(X)XX10-X	E(X)XX11-X		Nickel and Nickel Alloys					
	4	SFA-5.1	EXX15	EXX16	EXX18	41	SFA-5.11	ENi-1			
			EXX18M	EXX48		41	SFA-5.14	ERNi-1			
	4	SAF-5.4	^a EXXX(X)-15	^a EXXX(X)-16	^a EXXX(X)-17	41	SFA-5.30	IN61			
	4	SFA-5.5	E(X)XX15-X	E(X)XX16-X	E(X)XX18-X	42	SFA-5.11	ENiCu-7			
			E(X)XX18M	E(X)XX18M1		42	SFA-5.14	ERNiCu-7	ERNiCu-8		
	5	SFA-5.4	^b EXXX(X)-15	^b EXXX(X)-16	^b EXXX(X)-17	42	SFA-5.30	IN60			
	6	SFA-5.2	All Classifications			43	SFA-5.11	ENiCrFe-1	ENiCrFe-2	ENiCrFe-3	
	6	SFA-5.9	All Classifications					ENiCrFe-4	ENiCrFe-7	ENiCrFe-9	
	6	SFA-5.17	All Classifications					ENiCrFe-10	ENiCrMo-2	ENiCrMo-3	
	6	SFA-5.18	All Classifications					ENiCrMo-6	ENiCrMo-12		
	6	SFA-5.22	All Classifications					ENiCrCoMo-1			
	6	SFA-5.23	All Classifications			43	SFA-5.14	ERNiCr-3	ERNiCr-4	ERNiCr-6	
	6	SFA-5.25	All Classifications					ERNiCrFe-5	ERNiCrFe-6	ERNiCrFe-7	
	6	SFA-5.26	All Classifications					ERNiCrFe-8	ERNiCrFe-11	ERNiCrCoMo-1	
	6	SFA-5.28	All Classifications					ERNiCrMo-2	ERNiCrMo-3		
	6	SFA-5.29	All Classifications			43	SFA-5.30	IN6A	IN62	IN82	
	6	SFA-5.30	INMs-X	IN5XX	IN3XX(X)	44	SFA-5.11	ENiMo-1	ENiMo-3	ENiMo-7	
Aluminum and Aluminum Alloys								ENiMo-8	ENiMo-9	ENiMo-10	
21	SFA-5.3	E1100	E3003					ENiCrMo-4	ENiCrMo-5	ENiCrMo-7	
21	SFA-5.10	ER1100	R1100	ER1188				ENiCrMo-10	ENiCrMo-13	ENiCrMo-14	
			R1188			44	SFA-5.14	ERNiMo-1	ERNiMo-2	ERNiMo-3	
22	SFA-5.10	ER5183	R5183	ER5356				ERNiMo-7 (B2)		ERNiMo-8	
			R5356	ER5554	R5554			ERNiMo-9	ERNiMo-10	ERNiCrMo-4	
			ER5556	R5556	ER5654			ERNiCrMo-7 (Alloy C4)		ERNiCrMo-10	
			R5654					ERNiCrMo-13	ERNiCrMo-14	ERNiCrWMo-1	
23	SFA-5.3	E4043				45	SFA-5.11	ENiCrMo-1	ENiCrMo-9	ENiCrMo-11	
23	SFA-5.10	ER4009	R4009	ER4010		45	SFA-5.14	ERNiCrMo-1	ERNiCrMo-8	ERNiCrMo-9	
			R4010	R4011	ER4043			ERNiCrMo-11	ERNiFeCr-1		
			R4043	ER4047	R4047	Titanium and Titanium Alloys					
			ER4145	R4145	ER4643	51	SFA-5.16	ERTi-1	ERTi-2	ERTi-3	
			R4643					ERTi-4			
24	SFA-5.10	R206.0	R-C355.0	R-A356.0		52	SFA-5.16	ERTi-7			
			R357.0	R-A357.0		53	SFA-5.16	ERTi-9	ERTi-9ELI		
25	SFA-5.10	ER2310	R2319			54	SFA-5.16	ERTi-12			
^a other than austenitic and duplex						55	SFA-5.16	ERTi-5	ERTi-5ELI	ERTi-6	
^b austenitic and duplex								ERTi-6ELI	ERTi-15		
Copper and Copper Alloys						Hard-Facing Weld Metal Overlay					
31	SFA-5.6	ECu				71	SFA-5.13	All Classifications			
31	SFA-5.7	ERCu				72	SFA-5.21	All Classifications			
32	SFA-5.6	ECuSi				Zirconium and Zirconium Alloys					
32	SFA-5.7	ERCuSi-A				61	SFA-5.24	ERZr2	ERZr3	ERZr4	
33	SFA-5.6	ECuSn-A	ECuSn-C			71	SFA-5.13	All Classifications			
33	SFA-5.7	ERCuSn-A				72	SFA-5.21	All Classifications			
34	SFA-5.6	ECuNi									

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