F NUMBER Grouping of Electrodes & Welding Rods for Qualification

QW	F No	ASME Spec#	AWS Classification No.		
			Steel & Steel Alloy		
432	1	SFA-5.1	EXX20	EXX22	EXX24
			EXX27	EXX28	
	1	SFA-5.4	EXXX(X)-25	EXXX(X)-26	
	1	SFA-5.5	EXX20-X	EXX27-X	
	2	SFA-5.1	EXX12	EXX13	EXX14
			EXX19		
	2	SFA-5.5	E(X)XX13-X		
	3	SFA-5.1	EXX10	EXX11	
	3	SFA-5.5	E(X)XX10-X	E(X)XX11-X	
	4	SFA-5.1	EXX15	EXX16	EXX18
			EXX18M	EXX48	
	4	SAF-5.4	[a]EXXX(X)-15	[a]EXXX(X)-16	[a]EXXX(X)-17
	4	SFA-5.5	E(X)XX15-X	E(X)XX16-X	E(X)XX18-X
			E(X)XX18M	E(X)XX18M1	
	5	SFA-5.4	[b]EXXX(X)-15	[b]EXXX(X)-16	[b]EXXX(X)-17
	6	SFA-5.2	All Classifications		
	6	SFA-5.9	All Classifications		
	6	SFA-5.17	All Classifications		
	6	SFA-5.18	All Classifications		
	6	SFA-5.22	All Classifications		
	6	SFA-5.23	All Classifications		
	6	SFA-5.25	All Classifications		
	6	SFA-5.26	All Classifications		
	6	SFA-5.28	All Classifications		
	6	SFA-5.29	All Classifications		
	6	SFA-5.30	INMs-X	IN5XX	IN3XX(X)
			Aluminum and Aluminum Alloys		
	21	SFA-5.3	E1100	E3003	
	21	SFA-5.10	ER1100	R1100	ER1188
			R1188		
	22	SFA-5.10	ER5183	R5183	ER5356
			R5356	ER5554	R5554
			ER5556	R5556	ER5654
			R5654		
	23	SFA-5.3	E4043		
	23	SFA-5.10	ER4009	R4009	ER4010
			R4010	R4011	ER4043
			R4043	ER4047	R4047
			ER4145	R4145	ER4643
			R4643		
	24	SFA-5.10	R206.0	R-C355.0	R-A356.0
			R357.0	R-A357.0	
	25	SFA-5.10	ER2310	R2319	
	[a] other than austenitic and duplex				
	[b] austenitic and duplex				
			Copper and Copper Alloys		
	31	SFA-5.6	ECu		
	31	SFA-5.7	ERCu		
	32	SFA-5.6	ECuSi		
	32	SFA-5.7	ERCuSi-A		
	33	SFA-5.6	ECuSn-A	ECuSn-C	
	33	SFA-5.7	ERCuSn-A		
	34	SFA-5.6	ECuNi		

QW	F No	ASME Spec#	AWS Classification No.		
			Copper and Copper Alloys cont'd		
432	34	SFA-5.7	ERCuNi		
	34	SFA-5.30	IN67		
	35	SFA-5.8	RBCuZn-A	RBCuZn-B	RBCuZn-C
			RBCuZn-D		
	36	SFA-5.6	ECuAl-A2	ECuAl-B	
	36	SFA-5.7	ERCuAl-A1	ERCuAl-A2	ERCuAl-A3
	37	SFA-5.6	ECuNiAl	ECuMnNiAl	
	37	SFA-5.7	ERCuNiAl	ERCuMnNiAl	
			Nickel and Nickel Alloys		
	41	SFA-5.11	ENi-1		
	41	SFA-5.14	ERNi-1		
	41	SFA-5.30	IN61		
	42	SFA-5.11	ENiCu-7		
	42	SFA-5.14	ERNiCu-7	ERNiCu-8	
	42	SFA-5.30	IN60		
	43	SFA-5.11	ENiCrFe-1	ENiCrFe-2	ENiCrFe-3
			ENiCrFe-4	ENiCrFe-7	ENiCrFe-9
			ENiCrFe-10	ENiCrMo-2	ENiCrMo-3
			ENiCrMo-6	ENiCrMo-12	
			ENiCrCoMo-1		
	43	SFA-5.14	ERNiCr-3	ERNiCr-4	ERNiCr-6
			ERNiCrFe-5	ERNiCrFe-6	ERNiCrFe-7
			ERNiCrFe-8	ERNiCrFe-11	**ERNiCrCoMo-1**
			ERNiCrMo-2	ERNiCrMo-3	
	43	SFA-5.30	IN6A	IN62	IN82
	44	SFA-5.11	ENiMo-1	ENiMo-3	ENiMo-7
			ENiMo-8	ENiMo-9	ENiMo-10
			ENiCrMo-4	ENiCrMo-5	ENiCrMo-7
			ENiCrMo-10	ENiCrMo-13	ENiCrMo-14
	44	SFA-5.14	ERNiMo-1	ERNiMo-2	ERNiMo-3
			ERNiMo-7 (B2)		ERNiMo-8
			ERNiMo-9	ERNiMo-10	ERNiCrMo-4
			ERNiCrMo-7 (Alloy C4)		ERNiCrMo-10
			ERNiCrMo-13	ERNiCrMo-14	ERNiCrWMo-1
	45	SFA-5.11	ENiCrMo-1	ENiCrMo-9	ENiCrMo-11
	45	SFA-5.14	ERNiCrMo-1	ERNiCrMo-8	ERNiCrMo-9
			ERNiCrMo-11	ERNiFeCr-1	
			Titanium and Titanium Alloys		
	51	SFA-5.16	ERTi-1	ERTi-2	ERTi-3
			ERTi-4		
	52	SFA-5.16	ERTi-7		
	53	SFA-5.16	ERTi-9	ERTi-9ELI	
	54	SFA-5.16	ERTi-12		
	55	SFA-5.16	ERTi-5	ERTi-5ELI	ERTi-6
			ERTi-6ELI	ERTi-15	
			Hard-Facing Weld Metal Overlay		
	71	SFA-5.13	All Classifications		
	72	SFA-5.21	All Classifications		
			Zirconium and Zirconium Alloys		
	61	SFA-5.24	ERZr2	ERZr3	ERZr4
	71	SFA-5.13	All Classifications		
	72	SFA-5.21	All Classifications		