

GRADE FAMILY	MARCEGAGLIA NAME	FAS	EN	ASTM		PRE	CWH	TYPICAL CHEMICAL COMPOSITION, % BY MASS						APPLICATION						
				TYPE	UNS			C	CR	NI	MO	N	OTHERS	COLD HEADING	SPRINGS	WELDING	HIGH TEMPER.	BRIGHT FORMING	SPOKES	
FERRITIC	409/4512	R10810	-	409CB	-	11	-	0.03	11.30	0.35	-	-	-	Nb	x		x	x		
	409Ti/4512	R10911	1.4512	409Ti	-	11	-	0.02	11.30	-	-	-	-	-	x		x	x		
	430/4016	R25011	1.4016	430	S43000	16	-	0.02	16.40	-	-	-	-	-	x				x	
	430LNb	R25810	18 LNB	430Nb	-	18	-	0.01	18.20	-	-	-	-	Nb	x		x			
	430NbTi/4016	R25813	18 LNBti	-	-	18	-	0.015	18.20	-	-	-	-	Ti, Nb			x			
	446	R27070	-	446	-	26	-	0.05	23.90	-	-	0.08	-						x	
AUSTENITIC	302/4310	R30020	1.4310	302	-	19	128	0.052	17.40	8.25	0.60*	0.05	0.45Si 1.2Mn						x	x
	302/4310	R30031	1.4310	302	-	19	139	0.10	17.30	8.20	0.60*	0.03	0.9Si 1.25Mn							x
	302/4310/304H/4948	R32017	1.4310 / 1.4948	302 / 304H	S30200	20	130	0.07	18.35	8.10	-	0.04	-	-	x					x
	4828	R32310	1.4828	-	-	-	-	0.045	19.30	11.70	-	0.03	Si					x	x	
	4835	R32710	1.4835	-	S30815	26	-	0.08	21.00	10.20	-	0.16	REM					x	x	
	304L/4306	R35011	1.4306	304L	S30403	18	-	0.02	18.30	10.30	-	-	-	-	x					
	304/4301	R35019	1.4301	304	S30400	18	108	0.03	18.20	8.20	-	-	-	-	x					x
	304L/4307	R35020	1.4307	304L	-	20	90	0.02	18.50	9.75	0.60*	0.03*	0.45Si 1.2Mn							x
	304L/4307	R35043	1.4307	304L	S30403	20	93	0.02	18.30	8.60	-	-	-	-	x					x
	4551	R35816	1.4551/19 9 NbSi	347Si	S34788	21	-	0.04	19.40	9.80	-	0.04	Nb					x		
	347H/4550/4551	R35822	19 9 Nb	347 / 347H	-	20	-	0.05	19.60	9.20	-	0.03	Nb					x		
	321/4541	R35910	1.4541	321	S32100	19	-	0.03	17.80	9.20	-	-	Ti		x					
	308L/4316	R36610	1.4316/19 9 L	308L	S30883	21	-	0.01	19.70	10.20	-	0.05	S					x		
	308LSi/4316	R36672	1.4316/19 9 Lsi	308L	S30888	21	-	0.02	19.85	10.35	-	0.07	S					x		
	303/4305	R38030	1.4305	303	-	19	132	0.06	17.20	8.10	-	0.04	S							x
	305/4303	R39021	1.4303	305	S30500	20	91	0.01	17.70	11.20	-	0.03*	-	-	x					x
	316/4401	R42018	1.4401	316	S31600	24	-	0.05	16.80	10.70	2.10	-	-	-		x				
	316L/4404	R42510	1.4404	316L	S31603	24	-	0.02	16.80	11.20	2.10	-	-	-	x					x
	316L/4404	R42520	1.4404	316L	-	24	95	0.02	16.70	10.10	2.07	-	-	-						x
	316Ti/4571	R42915	1.4571	316Ti	-	24	94	0.01	16.60	10.60	2.10	0.03*	Ti							x
	316L/4436	R44010	1.4436	316	S31600	26	-	0.02	16.80	11.60	2.60	0.05*	0.5Si 1.55Mn		x					x
	318/4576	R44811	1.4576/19 12 3 Nb	318	-	29	-	0.04	19.30	11.60	2.60	0.04	S					x		
	318Si/4576	R44812	19 12 3 NbSi	-	-	28	-	0.04	18.90	11.80	2.70	0.05	S					x		
	316L/4430	R46610	19 12 3 L	316L	-	28	-	0.01	18.30	12.20	2.60	0.04	S					x		
	316LSi/4430	R46620	1.4430/19 12 3 LSi	316LSi	S31688	28	-	0.01	18.30	11.80	2.60	0.04	-	-					x	
	317L	R47625	18 15 3 L	317L	-	31	-	0.01	18.80	13.70	3.60	0.05	S					x		
	16-8-2	R51630	16 8 2	-	-	20	-	0.05	15.50	8.50	1.20	0.04	-	-					x	
	204Cu/4597	R52510	1.4597	204Cu	-	22	-	0.05	16.30	1.80	0.30*	0.20	Mn							x
	307L	R52610	18 8 Mn	307	-	17	-	0.04	17.30	7.80	-	-	-	-					x	
	307Si	R52670	18 8 SiMn	307	-	18	-	0.08	18.20	8.00	-	-	S					x		
	316Cu/4578	R54511	1.4578	316Cu	-	24	-	0.02	17.00	10.80	2.20	-	Cu		x					
	304Cu/4567	R57521	1.4567	304Cu	S30430	19	-	0.01	17.90	9.70	-	-	Cu		x					
	304Cu/4567	R57531	1.4567	304Cu	S30430	19	-	0.01	17.50	9.10	-	-	Si, Mn, Cu		x					
	304Cu/4567	R57541	1.4567	304Cu	S30430	19	-	0.01	17.20	8.70	-	-	Si, Mn, Cu		x					
	309L/4332	R80620	1.4332/23 12 L	309L	S30983	25	-	0.01	23.50	13.70	-	0.08	S					x		
	309LSi/4332	R80624	1.4332/23 12 L Si	309L	S30988	25	-	0.02	23.30	13.80	-	0.12	S					x		
	309LSi/4332	R80642	1.4332/23 12 L Si	309L	S30988	25	-	0.02	23.50	13.60	-	0.08	-	-					x	
	309LNb/4332	R80645	23 12 L Nb	309LNb	-	25	-	0.01	23.90	12.60	-	0.04	Al, Nb					x		
	309Si/4332	R80672	22 12 H	-	-	23	-	0.09	23.30	12.75	-	0.06	-	-					x	
	309LMo/4459	R81610	23 12 2 L	-	-	31	-	0.01	21.45	15.00	2.70	0.06	-	-					x	
310S/4845	R82010	1.4845	310S	S31008	26	-	0.05	24.70	19.40	-	-	-	-					x	x	
314/4841	R82311	-	314	S31400	-	-	0.03	23.50	19.40	0.60	0.06*	2.7Si 1.75 Mn						x	x	
314/4841	R82313	1.4841	314	S31400	26	-	0.01	24.30	20.70	-	-	Si						x	x	
310S/4845	R82670	25 20	310	-	26	-	0.12	25.90	20.80	-	-	-	-					x	x	
904L	R84070	20 25 5 C L / 1.4539	904L	N08904	36	-	0.01	20.00	25.00	4.50	0.05	Cu					x	x		
330/4886	R86013	1.4886	330	N08330	-	-	0.01	18.50	34.50	-	-	-	-					x	x	
330Nb	R86811	1.4864	Type 330Cb	N08330	-	-	0.02	19.50	34.50	-	-	Nb						x	x	
Alloy 825	R90610	-	Alloy 825	-	33	-	0.01	22.30	42.90	3.20	-	Cu, Ti					x			
DUPLEx	2101/4162	R61710	1.4162	2101	-	28	-	0.03	21.50	1.50	0.30	0.22	0.7 Si 5.0Mn Cu						x	
	2304/4362	R63021	1.4362	2304	-	26	-	0.015	22.50	4.70	0.25	0.11	0.45Si 0.95 Mn						x	
	2209	R64621	22 9 3 N L	2209	S39209	35	-	0.01	23.00	8.75	3.15	0.16	Al					x		
	2507	R64777	1.4410	-	-	42	-	0.02*	25.00	6.60	3.80	0.28	-						x	
	2205	R64721	1.4462	-	-	35	-	0.02	22.30	5.20	3.20	0.18	-						x	
	2594	R64773	25 9 4 NL	2594	-	42	-	0.01	25.10	9.50	4.00	0.25	Al					x		
	2307	R65620	23 7 NL	2307	-	27	-	0.01	23.50	7.70	-	0.14	-					x		
	2504	R65630	25 4	-	-	26	-	0.07	25.30	4.50	-	-	-					x		
312	R65670	29 9	312 / 29-9	-	32	-	0.10	30.35	9.20	-	0.055	Al					x			
PRECIPIT. HARDENING	17-7PH	R56021	1.4568	631	S17700	17	-	0.08	16.50	7.65	-	-	Al					x		
	Alloy 286/4980 air melted	R56910	1.4980	A-286	S66286	18	-	0.05	14.60	24.70	1.20	-	Al, Ti, V		x					
	Alloy 286/4980 VAR	R56960	1.4980	A-286	S66286	18	-	0.05	14.60	24.70	1.20	-	Al, Ti, V		x					

Customized chemistries on demand. (*Max)