

Grade	Carbon	Manganese	Phosphorous	Sulphur	Silicon	Chromium	Nickel	Moly	Nitrogen	Copper	Others
201	0.150%	5.5-7.5%	Maximum	Maximum	Maximum	16.00-18.00%	3.50-5.50%		Maximum		
202	0.150%	7.5-10%	0.060%	0.030%	1.000%	17.00-19.00%	4.00-6.00%		0.250%		
204-Cu	0.100%	6.5-9.0%	0.060%	0.010%	0.750%	16.00-17.50%	1.50-3.50%		0.10-0.20%	2.00-4.00%	
J-301	0.150%	2.000%	0.045%	0.030%	1.000%	16.00-18.00%	6.00-8.00%		0.100%		
304	0.070%	2.000%	0.045%	0.030%	0.750%	17.50-19.50%	8.00-10.50%		0.100%		
304-H	0.04-0.10%	2.000%	0.045%	0.030%	0.750%	18.00-20.00%	8.00-10.50%				
304-L	0.030%	2.000%	0.045%	0.030%	0.750%	17.50-19.50%	8.00-12.00%		0.100%		
304-LN	0.030%	2.000%	0.045%	0.030%	0.750%	18.00-20.00%	8.00-12.00%		0.10-0.16%		
309	0.200%	2.000%	0.045%	0.030%	0.750%	22.00-24.00%	12.00-15.00%				
309-S	0.080%	2.000%	0.045%	0.030%	0.750%	22.00-24.00%	12.00-15.00%				
310	0.025%	2.000%	0.045%	0.030%	1.500%	24.00-26.00%	19.00-22.00%				
310-S	0.080%	2.000%	0.045%	0.030%	1.500%	24.00-26.00%	19.00-22.00%				
316	0.080%	2.000%	0.045%	0.030%	0.750%	16.00-18.00%	10.00-14.00%	2.00-3.00%	0.100%		
316-L	0.030%	2.000%	0.045%	0.030%	0.750%	16.00-18.00%	10.00-14.00%	2.00-3.00%	0.100%		
316-LN	0.030%	2.000%	0.045%	0.030%	0.750%	16.00-18.00%	10.00-14.00%	2.00-3.00%	0.10-0.16%		
316-Ti	0.080%	2.000%	0.045%	0.030%	0.750%	16.00-18.00%	10.00-14.00%	2.00-3.00%	0.100%		Ti= 5 X (Carbon + Nitrogen) Min & 0.70% Max.
317	0.080%	2.000%	0.045%	0.030%	0.750%	18.00-20.00%	11.00-15.00%	3.00-4.00%	0.100%		
317-L	0.030%	2.000%	0.045%	0.030%	0.750%	18.00-20.00%	11.00-15.00%	3.00-4.00%	0.100%		
317-LN	0.030%	2.000%	0.045%	0.030%	0.750%	18.00-20.00%	11.00-15.00%	3.00-4.00%	0.10-0.22%		
321	0.080%	2.000%	0.045%	0.030%	0.750%	17.00-19.00%	9.00-12.00%		0.100%		Ti= 5 X (Carbon + Nitrogen) Min & 0.70% Max.
347	0.080%	2.000%	0.045%	0.030%	0.750%	17.00-19.00%	9.00-13.00%				Cobalt= 10X Carbon Minimum & 1.00 Maximum