

Hatim Steel

CHEMICAL COMPOSITION - COMMON GRADES													
Grade	NI (Nickel) (%)	CR (Chromium) (%)	CU (Copper) (%)	MN (Manganese) (%)	SI (Silicon) (%)	C (Carbon) (%)	N (Nitrogen) (%)	P (Phosphorus) (%)	S (Sulfur) (%)	MO (Molybdenum) (%)	AL (Aluminium) (%)	NB (Niobium) (%)	TI (Titanium) (%)
201	0.80 - 1.30	14.00 - 17.00	1.30 - 2.00	8.00 - 10.00	<1.00	<0.15	<0.25	<0.06	<0.03	/	/	/	/
202	3.50 - 5.50	17.00 - 18.00	1.30 - 1.80	5.50 - 7.50	<1.00	<0.15	0.05 - 0.25	<0.045	<0.015	/	/	/	/
304	8.00 - 12.00	17.50 - 19.50	/	<2.00	<0.75	<0.03	/	<0.045	<0.03	/	/	/	/
304L	8.00 - 12.00	17.50 - 19.50	/	<2.00	<0.75	<0.03	/	<0.045	<0.03	/	/	/	/
316L	10.00 - 14.00	16.00 - 18.00	/	<2.00	<0.75	<0.03	<0.10	<0.045	<0.03	2.00 - 3.00	/	/	/
321	09.00 - 12.00	17.00 - 19.00	/	<2.00	<2.00	<0.08	<0.10	<0.045	<0.03	/	/	/	5 (C+N) - 0.7
409L	<0.50	10.50 - 11.70	/	<1.00	<1.00	<0.03	<0.03	<0.040	<0.03	/	/	<0.17	6 x C - 0.75
410S	<0.60	11.50 - 13.50	/	<1.00	<1.00	<0.08	/	<0.040	<0.03	/	/	/	/
420J2	<0.60	12.00 - 14.00	/	<1.00	<1.00	0.26 - 0.40	/	<0.040	<0.03	/	/	/	6 x C - 0.75
430	<0.60	16.00 - 18.00	/	<1.00	<0.75	<0.12	/	<0.040	<0.03	/	/	/	/
439	<0.50	17.00 - 19.00	/	<1.00	<1.00	<0.03	<0.03	<0.040	<0.03	/	0.15	<0.17	/