

Stainless Steel Charts

Austenitic Stainless Steels						
AISI grade	C max.	Si max.	Mn max.	Cr	Ni	Mo
18-8	.08%	1%	2%	17-20%	8-13%	
304	0.08%	1%	2%	17.5-20%	8-10.5%	
304L	0.03%	1%	2%	18-20%	8-12%	
316	0.08%	1%	2%	16-18%	10-14%	2.0-3.0%

Martensitic Stainless Steels									
Grade	C	Mn	Si	Cr	Ni	Mo	P	S	Comments/Applications
410	0.15%	1.0%	0.5%	11.5-13%	-	-	0.04%	0.03%	The basic composition. Used for cutlery, steam and gas turbine blades and buckets, bushings...
420	0.15-0.40%	1%	1%	12-14%	-	-	0.04%	0.03%	Dental and surgical instruments, cutlery....

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