

Stainless Steel Material Grade Composition Chart

Name	ASTM#	Grade	UNS#	Nominal Composition
304/304L	A182	F304/F304L	S30403	CR-18.0-20.0 C-.035 max Ni-8.0-11.0
304H	A182	F304H	S30409	C-.04-.10 Cr-18.0-20.0 Ni-8.0-11.0
310	A182	F310	S31000	C-.15 Cr-24.0-26.0 Ni-19.0-22.0
316/316L	A182	F316/316L	S31603	C-.035max Cr-16.0-18.0 Mo-2.0-3.0 Ni-10.0-14.0
316H	A182	F316H	S31609	C-.04-.10 Cr-16.0-18.0 Mo-2.0-3.0 Ni-10.0-14.0
317L	A182	F317L	S31703	C-.03max Cr-18.0-20.0 Mo-3.0-4.0 Ni-11.0-15.0
321	A182	F321	S32100	C-.08 Cr-17.0min Ni-9.0-12.0 Ti-.70max
321H	A182	F321H	S32109	C-.04-.10 Cr-17.0min Ni-9.0-12.0 Ti-.70max
347	A182	F347	S34700	C-.08max Cr-17.0-20.0 Ni-9.0-13.0 Cb+Ta-1.10max
347H	A182	F347H	S34709	C-.04-.10 Cr-17.0-20.0 Ni-9.0-13.0 Cb+Ta-1.10max
AL6XN	B462	AL6XN	N08367	Cr-20-22 Ni-23.5-25.5 Mo-6-7 Cu-.75max N-.18-.25 C-.03max
F44	A182	F44	S31254	Cr-19.5-20.5 Ni-17.5-18.5 Mo-6-6.5 C-.02max Cu-.5-1.0 N-.18-.22
F51	A182	F51	S31803	Cr-21-23 Ni-4.5-6.5 Mo-2.5-3.5 C-.03max N-.08-.20
405	A479	405	S40500	Cr-11.5-14.5 Ni-.60max Al-.10-.30 C-.08max
410	A479	410	S41000	Cr-11.5-13.5 C-.15max
446	A473	446	S44600	Cr-23-27 Ni-.75max N-.25max C-.20max
904L	B649	A904L	N08904	Cr-19-23 Ni-23-28 Mo-4-5 Cu-1-2 C-.02max
A20	B462	A20	N08020	Cr-19-21 Ni-32-38 Mo-2-3 Cu-3-4 C-.07max Cb+Ta-1.0max