

Alloy	Nominal Composition	Resistivity OHMS- CMF (20°C)	Temperature Coefficient of Resistance		Melting Temp °C	Coefficient of Linear Expansion		Tensile		Specific Gravity	Weight Lbs/In³	Maximum Recommended Operating Temperature		ASTM Specs
			OHMS/ OHMC/°C	Temp Range °C		Coefficient	Temp Range °C	Soft	Hard			°C	°F	
SS 302	18% Cr, 9% Ni, 2% Mn, 1% Si, .15% C, Bal Fe	432			1400	0.0000099	0-1000	90	190	7.9	0.29	1180	2150	A313, A580
Common Industry Trade names	<i>Stainless 302, 302 Stainless</i>													
SS 304	19% Cr, 10% Ni, 2% Mn, 1% Si, .08% C, Bal Fe	432			1400	0.0000099	0-1000	85	185	7.9	0.29	1010	1850	A313, A580
Common Industry Trade names	<i>Stainless 304, 304 Stainless</i>													
SS 305	18% Cr, 11.5% Ni, 2% Mn, 1% Si, .12% C, Bal Fe	432			1400	0.0000099	0-1000	85	185	7.9	0.29	980	1800	A313, A580
Common Industry Trade names	<i>Stainless 305, 305 Stainless</i>													
SS 316	17% Cr, 12% Ni, 2% Mn, 2.5% Mo, 1% Si, .08% C, Bal Fe	444			1400	0.00009	0-315	90	190	7.9	0.29	1260	2300	A313, A580
Common Industry Trade names	<i>Stainless 316, 316 Stainless</i>													
SS 330	20% Cr, 35% Ni, Bal Fe	610			1350	0.0000158	20-500	85	185	8	0.289	316	600	
Common Industry Trade names	<i>Stainless 330, 330 Stainless</i>													
SS 347	18% Cr, 11% Ni, 2% Mn, 1% Si, .08% C	438			1350	0.0000095	0-315	95	195	8.03	0.29	593	1100	A313, A580
Common Industry Trade names	<i>Stainless 347, 347 Stainless</i>													