



DECK SCREW MATERIAL

304 Grade Stainless Steel

18-8 SS, also known as the 300 series, is the most commonly suggested and used Stainless Steel on the market. This series (18-8) is made up of approximately (not exactly) 18% Chromium and 8% Nickel by weight. The term 18-8 is used interchangeably to characterize a series of different stainless-steel grades, to include 304 and 305.

The distinction between 18-8 and 304/305 is the small addition of Carbon added to its makeup and the percentage of elements used in its creation. 304 grades contain roughly 18% Chromium, 8% Nickel and a maximum of .08% carbon.

304 Composition

Element	Percentage (%)
Carbon	.08%max
Manganese	2% max
Phosphorus	.045% max
Sulfur	.03% max
Element	Percentage (%)
Silicon	1% max
Chromium	18-20%
Nickel	8-10.5%
Nitrogen	.1%