

NAUTICALALLOY 4542

Chemical Composition*	C	Si	Mn	P	S	Cr	Ni	Mo	N
% Values (minimum)	-	-	-	-	-	15.00	3.00	-	3.00
% Values (Maximum)	0.07	1.00	1.50	0.040	0.030	17.50	5.00	0.60	5.00
Mechanical Properties	Proof Strength Rp 0.2		Tensile Strength		Elongation A4%		Hardness Brinell BHN (Min)		Red of Area %
Metric Units (Mpa-N/mm2)	>720		>930		16		<311		12
Imperial Units (ksi)	>105		>135		16		<311		12
Related Specifications	17/4PH		AISI 630		UNS S17400		1.4542		

Nauticalloy 4542 has enhanced mechanical properties to give even greater strength when required.

All Nauticalloy produced can be supplied complete with 3rd party Inspection, testing and certification

All Nauticalloy produced can be supplied with dimensional reports confirming diameter tolerance and straightness

All Nauticalloy produced has a straightness tolerance up to 80mm dia of 0.005" - 0.010" TIR and 85mm and above we aim for 0.010" TIR (TIR=Total Indicator Reading)