nauticALLOY
Marine Propeller Shafting

MILLSTOCK stainless

nauticALLOY 4307

Material grade: nauticalloy 4307
austenitic stainless steel

Characteristics: general purpose corrosion resistance
excellent formability
superior welding properties

Technical Data

Chemical Composition	C	Si	Mn	P	S	Cr	Ni	Mo	N
% in weight (min)	-	-	-	-	-	17.50	8.00	-	-
% in weight (max)	0.03	1.00	2.00	0.045	0.03	19.50	10.50	-	0.11

Mechanical Properties	Proof Strength Rp0.2	Tensile Strength UTS	Elongation A	Red. of area %	Hardness BHN (max)
Metric units (MPa-N/mm^2)	>205	515 - 680	45	25	<170
Imperial units (ksi)	>30	75 - 100	45	25	<170
Related Specifications	304L	AISI 304L	UNS S304003	1.4307	

All Nauticalloy produced:

- can be supplied complete with 3rd party Inspection, testing and certification
- can be supplied with dimensional reports confirming diameter tolerance and straightness
- have a straightness tolerance up to Ø 80mm of 0.005" - 0.010" (0.127 mm - 0.254 mm) TIR and 85mm and above we aim for 0.010" (0.254 mm) TIR (TIR=Total Indicator Reading)

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