nauticALLOY
Marine Propeller Shafting

MILLSTOCK stainless

nauticALLOY 4404

Material grade: nauticalloy 4404
austenitic stainless steel

Characteristics: molybdenum-enhanced corrosion resistance
excellent weldability and fabrication
low-carbon austenitic structure

Technical Data

Chemical Composition	C	Si	Mn	P	S	Cr	Ni	Mo	N
% in weight (min)	-	-	-	-	-	16.50	10.50	2.00	-
% in weight (max)	0.03	1.00	2.00	0.045	0.03	18.50	13.00	2.50	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)	>240	520 - 680	40	30	<215
Imperial units (ksi)	>35	75 - 100	40	30	<215
Related Specifications	316L	AISI 316L	UNS S361603	1.4404	

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)

Millstock Stainless Ltd
Fusion House, The Crescent
Willenhall, West Midlands, WV13 2QR
United Kingdom

Tel: +44 (0)1902 409409
Fax: +44 (0)1902 409411

sales@millstockstainless.com
www.millstockstainless.com
www.nauticalloy.com