nauticALLOY
Marine Propeller Shafting

MILLSTOCK stainless

nauticALLOY 4057

Material grade: nauticalloy 4057
martensitic stainless steel

Characteristics: high chromium content benefits
nickel addition advantages
hardenable martensitic structure

Technical Data

Chemical Composition	C	Si	Mn	P	S	Cr	Ni	Mo	N
% in weight (min)	0.12	-	-	-	-	15.00	1.50	-	-
% in weight (max)	0.22	1.00	1.50	0.04	0.03	17.00	2.50	-	-

Mechanical Properties	Proof Strength Rp0.2	Tensile Strength UTS	Elongation A	Red. of area %	Hardness BHN (max)
Metric units (MPa-N/mm^2)	>600	800 - 950	14	12	<290
Imperial units (ksi)	>87	115 - 140	14	12	<290
Related Specifications	431	SUS 431	UNS S43100	1.4057	

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