

MILLSTOCK STAINLESS LIMITED
 FUSION HOUSE
 THE CRESCENT
 WILLENHALL
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nauticalALLOY 22HS

Chemical Composition	C	Si	Mn	P	S	Cr	Ni	Mo	N
% values (Min)	≤	≤	4.00	≤	≤	20.50	11.50	1.50	0.20
% values (Max)	0.060	1.0	6.00	0.04	0.030	23.50	13.50	3.00	0.40
Mechanical Properties	Proof Strength Rp0.2		Tensile Strength		Elong.		Red of Area %	Hardness BHN (Min)	
Metric units (Mpa-N/mm2)	>725 *		825 - 1150 *		15		45	<340	
Imperial units (mpa)	>105		120 - 165		15		45	<340	
Related Specifications	UNS S20910		XM-19HS		Nitronic 50 [®]		1.3964		

- Nauticalloy 22HS combines high strength with the best corrosion resistance to offer the ultimate Marine Shaft material, Nauticalloy 22HS is a Non Magnetic Alloy Steel

* Material produced to ASTM A479 will have Rp0.2 >415Mpa and UTS >700Mpa

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