



321 Cold Drawn St/St

321 cold drawn is an austenitic solution treated stainless steel material which has been cold worked to provide minimum tensile strengths as described below.

Common applications can include but not limited to: Aerospace, heat exchangers and pressure vessels, welding applications and marine environments.

321 Cold Drawn St/St Grades & Equivalents:

- ASTM A193 B8T CLASS 2
- ASTM A320 B8T CLASS 2
- BS4882 B8TX

Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.080	1.000	2.000	0.045	0.030	17.00-19.00	9.00-12.00	
W	N	Cb/Nb	Ti	Co	Cu	Al	B
	0.100		5x(C+N) to 0.70				
V	Fe	Mg	Ta	Ca	O	Bi	Se
Sn	Zn	Pb	Y	Cb/Nb + Ta	Ni + Co	H	PREN

Typical Mechanical Properties

Tensile Strength **	860 N/mm ² min
0.2% Proof Stress **	690 N/mm ² min
Elongation **	12%
Reduction of Area **	35%
Hardness	321 HBw
Impacts	
Stress Rupture	
Other Remarks	** Minimum tensile properties are dictated by the size of the component, above taken from the size range of ≤ 0.750/M20. please enquire if you need further information.

Product Forms Available:

- Hexagon Head Bolts
- Hexagon Nuts
- Studbolts
- Socket Capscrews
- Socket Countersunk Screws
- Socket Setscrews
- & Many other special fasteners and bespoke machined parts

Products can be produced to customer drawings or relevant British (BS), American (ASME, ANSI), European (DIN, UNI) or International Standards (ISO).

The size ranges M3 to M120 Metric and 3/16" to 4.75" Imperial can be supplied. Thread forms include UNC, UNS, UNF, BSW, BSF, Whitworth, Metric, Metric Fine.



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