



347 Cold Drawn St/St

347 cold drawn is an austenitic solution treated stainless steel, which has been cold worked to provide minimum tensile strengths as described below. **B8C Class 2** is known for its excellent resistance to oxidation and scaling at high temperatures and has good resistance to carburizing and thermal shock.

Common applications can include but not limited to:
Power Generation, Aerospace, Petrochemical Industry, Oil & Gas Industry

347 Cold Drawn St/St Grades & Equivalents:

- ASTM A193 B8C CLASS 2
- ASTM A320 B8C CLASS 2

Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.08	1.00	2.00	0.045	0.030	17.0-19.0	9.0-12.0	
W	N	Cb/Nb	Ti	Co	Cu	Al	B
		10 x C To 1.10					
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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