



ASTM A193M Grade B8T Class 2

Solution Annealed & Strain Hardened 321 Stainless Steel Bolting

ASTM A193M Grade B8T Class 2 is a bolting specification for carbide solution treated and strain hardened 321 stainless steel fasteners (**metric sized**) used for pressure vessels, valves, flanges and fittings for high pressure or high temperature service or other special purpose applications. Class 2 exhibit increased strength as compared to Class 1 fasteners. We offer studs, bolts, cap screws, bars and other form of external threaded fasteners in B8T class 2 specification.



Chemical Composition (AISI 321 / UNS S32100)

Element	C	Mn	P	S	Si	Cr	Ni	N	Ti
Min	17.000	9.000	...	5*(C+N)
Max	0.080	2.000	0.045	0.030	1.000	19.000	12.000	0.100	0.700

Mechanical Properties

Attributes	M20 and under	M20 to M24, incl	M24 to M30, incl	M30 to M36, incl
Tensile Strength, Mpa	860	795	725	690
0.2% Yield Strength, Mpa	690	550	450	345
% Elongation in 2 Inch	12	15	20	28
% Reduction of Area	35	35	35	45
Hardness HBW (HRC), max	321 (35)	321 (35)	321 (35)	321 (35)

Heat Treatment

Carbide solution treated and strain hardened



Products

Bolts Screws Studs Bars

Boltport Fasteners LLP

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We are India's premium industrial fasteners manufacturer providing precision build fastening solution for various industrial platforms, throughout the globe. Specialised in high alloyed & ASTM Fasteners

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