

ASTM A276 is a standard material specification for hot-finished or cold-finished round bars and rods for Titanium stabilized 321 stainless steel, used for pressure vessels and general applications. Boltport uses 321 round bars to ASTM A276/A276M specification to manufacturer bolts, screws, studs, rods and custom bolting.



Chemical Composition (AISI 321 / 1.4541 / UNS S32100)

Element	C	Mn	P	S	Si	Cr	Ni	Mo	Ti
Min	17.00	9.00	...	5*(C+N)
Max	0.08	2.00	0.045	0.030	0.75	19.00	12.00	...	0.700

Mechanical Properties

Cold Finished Size ==>>	up-to 12.70mm	Over 12.70mm
Ultimate Tensile Strength, ksi (Mpa)	90 [620]	75 [515]
0.2% Yield strength, ksi (Mpa)	45 [315]	30 [205]
% Elongation in 2 Inch (min)	30	30
Reduction of Area, % (min)	40	40
Hardness HBW [HRB]	Not Mentioned	Not Mentioned



Products

Bolts	Screws	Studs	Rods
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