



# ASTM A193/A320 Gr B8

## Chromium Nickel Austenitic Stainless Steel

ASTM A193 Grade B8 is a material specification for 18-8 chromium nickel austenitic stainless steel, used for manufacturing of bolts, studs, stud bolts and other fasteners for bolting pressure vessels, valves, flanges and fittings for various process industries across major industrial sectors.



### Chemical Composition (Carbon Steel) %

Element	C	Cr	Mn	Ni	P	S	MO	SI
Min		18		8				
Max	0.08	20	2	11	0.045	0.03		1

Size Diameter (INCH) ==>		CL2
Ultimate Tensile Strength, ksi		125 (860)
0.2% Yield strength, ksi (Mpa)		100 (690)
% Elongation (min)		12
% Reduction of Area (min)		35
Hardness HRC		35
Description/s		THREAD ROD
Size		1/2" to 4"
Surface Treatment		PLAIN ,Corroshield PTFE, COLD GALVANIZED
Thread spec		ASME B1.1
Dimensional Specs		ASME B18.31.2

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