



# 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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