



ASTM A193/A320 Gr B8M

Chromium Nickel Molybdenum Austenitic Stainless Steel

ASTM A193 Grade B8M is a material specification for chromium nickel austenitic stainless steel with addition of Molybdenum, 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		16		10			2	
Max	0.08	18	2	14	0.045	0.03	3	1

Size Diameter (INCH) ==>		3-4" and under	3/4 to 1"	1" to 1-1/4"
Tensile Strength, ksi (Mpa)		110	100	95
Yield strength, ksi (Mpa)		95	80	65
% Elongation (min)		15	20	20
% Reduction of Area (min)		45	45	45
Hardness HRC		35	35	35
Description/s		THREAD ROD		
Size		1/2" to 4"		
Surface Treatment		PLAIN ,Corroshield PTFE....		
Thread spec		ASME B1.1		
Dimensional Specs		ASME B18.31.2		

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