

A/SA 320M B8M

STAINLESS STEEL

CLASS 2

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

A/SA 320M covers alloy steel bolting materials for pressure vessels, valves, flanges and fittings for low- temperature service. The term "bolting material" as used in this specification covers rolled, forged, or strain hardened bars, bolts, screws, studs and stud bolts. The bars shall be hot-wrought. A/SA 320M covered several grades, including both ferritic and austenitic steels designated L7, B8, etc. Selection will depend on design, service conditions, mechanical properties and low-tempeerate characteristics. A/SA 320M expressed in both inch-pound units and in SI units. The values stated in either inch-pound units or SI units are to be regarded separately as standard.

Chemical Properties

C	Si	Mn	P	S	Cr	Mo	Ni
0.08 Max	1.00 Max	2.00 Max	0.045 Max	0.030 Max	16.0-18.0	2.00-3.00	10.0-14.0

Mechanical Properties

Yield strength	Tensile strength	Elong	Reduction	Hardness
Mpa	Mpa	%	%	HRB
min	min	min	min	max.
655	760	15	45	321

Heat Treatment

Carbide Solution Treated and Strain Hardened.

Equivalent Designation

UNS S31600
EN number
EN Name
W.Nr.
SS
AFNOR



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