

SB 564

HAYNES 242

BOLTING M

SB 564 covers nickel alloy forgings. These alloys are classified into different grades according to their chemical composition. Grain size and mechanical properties shall be measured. A tension test and nondestructive ultrasonic test shall be done on each grade. The values given in parentheses are mathematical values for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr
0.03 Max	0.80 Max	0.030 Max	0.015 Max	0.80 Max	7.0-9.0

Mo	Al	B	Co	Fe
24.0-26.0	0.50 Max	0.006 Max	1.00 Max	2.0 Max

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
310	725	40

Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

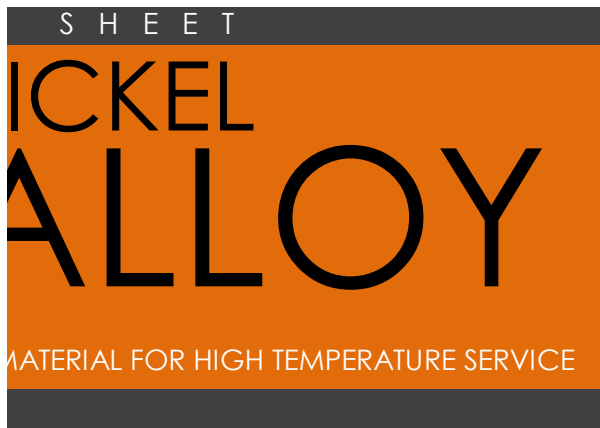
Equivalent Designation

UNS N10242
EN number
EN Name
W.Nr.
SS
AFNOR

TorqBolt Inc

CUSTOMER ASSISTANCE : customer@TorqBolt.com

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Chemical composition. A chemical analysis shall be performed on each specimen. Properties like tensile strength, yield strength, and elongation shall be determined on each specimen. SB 564 covers UNS N10242. The values are in SI units. The values in parentheses are the mathematical conversions to SI units that are provided.



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