

SB 564

HIGH TENSILE

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 alloy UNS N08031. The values stated in inch-pound units are to be regarded as standard. The values are conversions to SI units that are provided for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr	Mo
0.015 Max	2.0 Max	0.020 Max	0.010 Max	0.3 Max	26.0-28.0	6.0-7.0

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
276	650	40

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

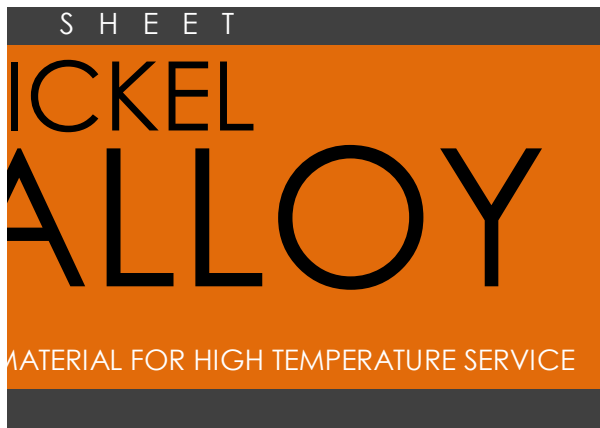
Equivalent Designation

UNS N08031
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 lot of material. Properties like tensile strength, yield strength, and elongation shall be determined on each specimen. SB 564 covers low-carbon Ni-Fe-Cr-Mo alloys. Values given in parentheses are mathematical

Ni	Cu	N
30.0-32.0	1.0-1.4	0.15-0.25



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