

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 N06686. The values stated in inch-pound units are to be regarded as standard. The values given in SI units that are provided for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr	Mo
0.010 Max	0.75 Max	0.04 Max	0.02 Max	0.08 Max	19.0-23.0	15.0-17.0

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
310	690	45

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

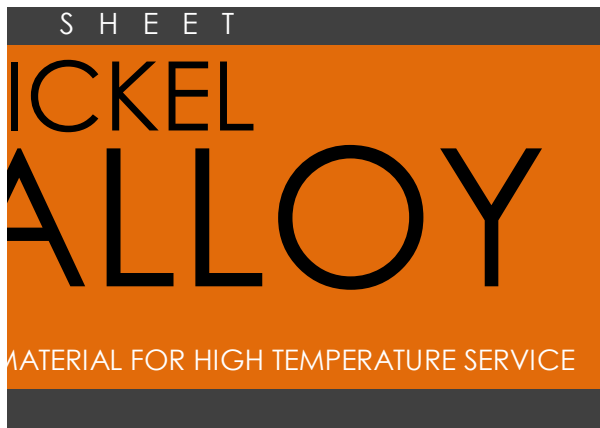
Equivalent Designation

UNS N06686
EN number
EN Name
W.Nr.
SS
AFNOR

TorqBolt Inc

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chemical composition. A chemical analysis shall be performed on each lot of material to determine properties like tensile strength, yield strength, and elongation. A chemical analysis shall be performed on each specimen. SB 564 covers low-carbon Ni-Cr-Mo-W alloys. Values in parentheses are mathematical conversions

Ti	W	Fe
0.02-0.25	3.0-4.4	5.0 Max



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