

# 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 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
0.05 Max	0.50 Max	0.020 Max	0.010 Max	0.70-1.10	18.0-22.0

Mo	Cu	Ti	Al	Co	Fe
7.0-9.0	0.50 Max	0.50 Max	0.50 Max	1.0 Max	2.0-4.0

## Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
270	660	50

## Heat Treatment

--

Solution Annealed @ 1080°C & Liquid Quenched

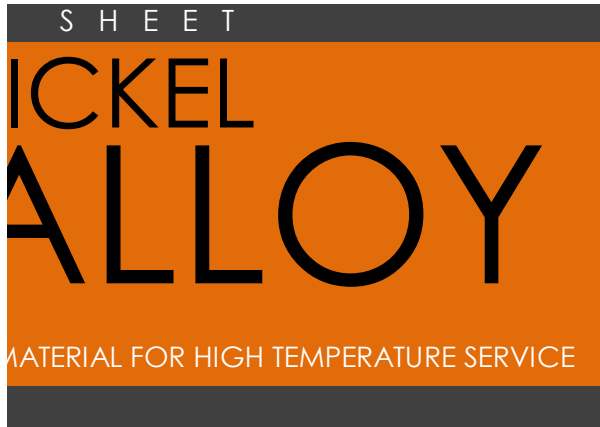
### Equivalent Designation

UNS N06219
EN number
EN Name
W.Nr.
SS
AFNOR

**TorqBolt** Inc

CUSTOMER ASSISTANCE : [customer@TorqBolt.com](mailto:customer@TorqBolt.com)

#4/215, Bhatawdekar Lane,  
R. R. Roy Road, Mumbai – 400 004,  
Maharashtra, INDIA



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 N06219. The values provided are in imperial units. The values in parentheses are the metric conversions to SI units that are provided.



Email: [info@TorqBolt.com](mailto:info@TorqBolt.com)

Web: [www.TorqBolt.com](http://www.TorqBolt.com)

Copyright 2013 Torqbolt Inc.