

# 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 lot. The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are for information only and are not considered standard.

## Chemical Properties

C	Mn	P	S	Si	Cr	Mo
0.030 Max	2.00 Max	0.040 Max	0.030 Max	1.00 Max	20.0-22.0	6.0-7.0

## Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
310	655	30

## Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

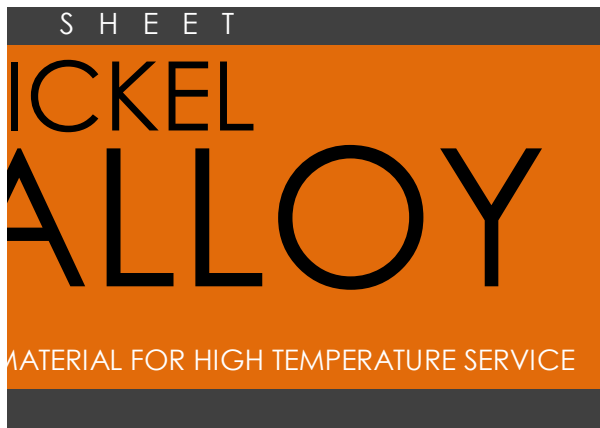
## Equivalent Designation

UNS N08367
EN number
EN Name
W.Nr.
SS
AFNOR

**TorqBolt** Inc

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

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



Chemical composition. A chemical analysis shall be performed on each lot of material to determine properties like tensile strength, yield strength, and elongation. The analysis shall be performed on a specimen. SB 564 covers Fe-Ni-Cr-Mo-N alloy UNS S56400. The parentheses are mathematical conversions to SI units

Ni	Cu	N
23.50-25.50	0.75 Max	0.18-0.25



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

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

Copyright 2013 Torqbolt Inc.