

# SB 564

INCONEL 625

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 N06625. The values stated in inch-pound units are to be regarded as standard. The values given in parentheses that are provided for information only and are not considered standard.

## Chemical Properties

C	Mn	P	S	Si	Cr
0.10 Max	0.5 Max	0.015 Max	0.015 Max	0.5 Max	20.0-23.0

Mo	Ni	Ti	Al	Fe	Cb+Ta
8.0-10.0	58.0 Min	0.4 Max	0.4 Max	5.0 Max	3.15-4.15

## Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
414	827	30

## Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

### Equivalent Designation

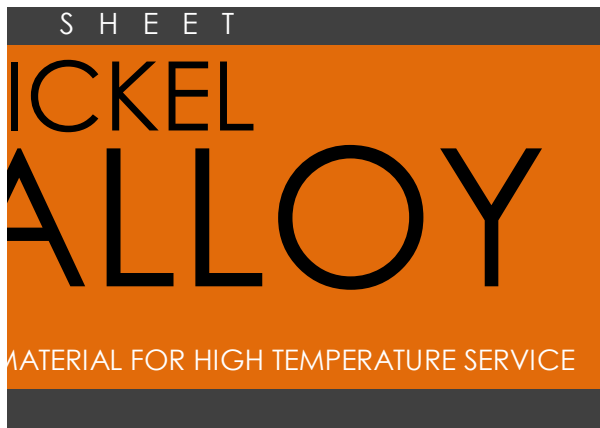
UNS N06625
EN number NiCr22Mo9Nb
EN Name
W.Nr. 2.4856
SS
AFNOR

**TorqBolt** Inc

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Chemical composition. A chemical analysis shall be performed on each specimen to determine properties like tensile strength, yield strength, and elongation. SB 564 covers Ni-Cr-Mo-Nb alloy UNS S56400. Parentheses are mathematical conversions to SI units



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