

# SB 564

HASTELLOY C22

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 N06022. 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
0.015 Max	0.50 Max	0.02 Max	0.02 Max	0.08 Max	20.0-22.5

Mo	V	W	Co	Fe
12.5-14.5	0.35 Max	2.5-3.5	2.5 Max	2.0-6.0

## Mechanical Properties

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

## Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

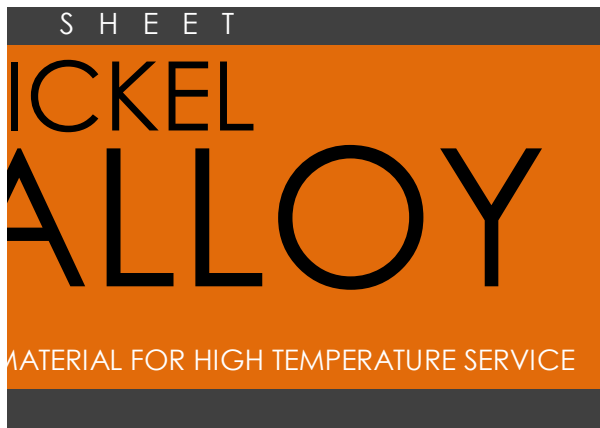
### Equivalent Designation

UNS N06022
EN number NiCr21Mo14W
EN Name
W.Nr. 2.4602
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 low-carbon Ni-Mo-Cr alloys. Values in parentheses are mathematical conversions.



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