

# SB 564

INCOLOY 800

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	S	Si	Cr	Ni	Cu
0.10 Max	1.5 Max	0.015 Max	1.0 Max	19.0-23.0	30.0-35.0	0.75 Max

## Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
207	517	30

## Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

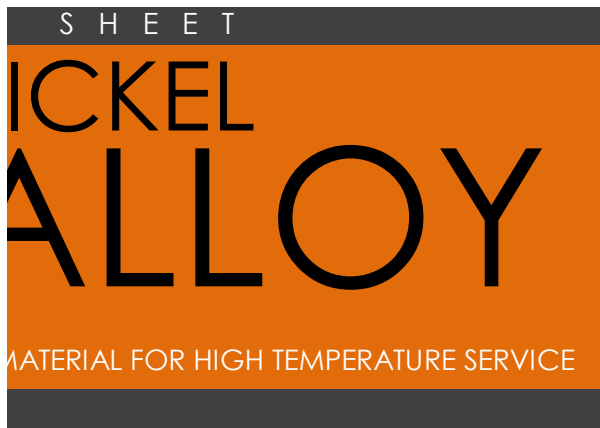
## Equivalent Designation

UNS N08800
EN number X10NiCrAlTi3320
EN Name
W.Nr. 1.4876
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. SB 564 covers Ni-Fe-Cr alloy UNS N06690. Parentheses are mathematical conversions to SI units

Ti	Al	Fe
0.15-0.60	0.15-0.60	39.5 Min



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