

SB 564

INCOLOY 800HT

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 forging. 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
0.06-0.10	1.5 Max	0.015 Max	1.0 Max	19.0-23.0	30.0-35.0

Cu	Ti	Al	Fe	Al+Ti
0.75 Max	0.15-0.60	0.15-0.60	39.5 Min	0.85-1.20

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
172	448	30

Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

Equivalent Designation

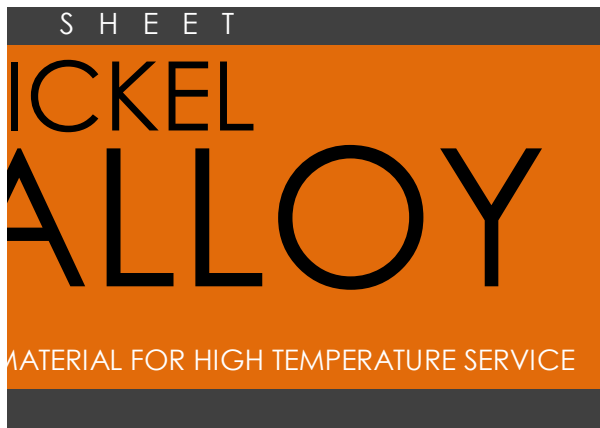
UNS N08811
EN number
EN Name
W.Nr. 1.4959
SS
AFNOR

TorqBolt Inc

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Chemical composition. A chemical analysis shall be performed on each specimen to determine mechanical properties like tensile strength, yield strength, and elongation. SB 564 covers Ni-Fe-Cr alloy UNS N06690. Parentheses are mathematical conversions to SI units



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