

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
0.15 Max	1.0 Max	0.50 Max	0.015 Max	1.0 Max	28.0-33.0	9.0-12.0

Ni	Cu	Ti	Al	W	Fe	Cb+Ta
51.0 Min	0.50 Max	1.0 Max	1.0 Max	1.0-4.0	1.0 Max	1.0 Max

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
310	655	60

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

Equivalent Designation

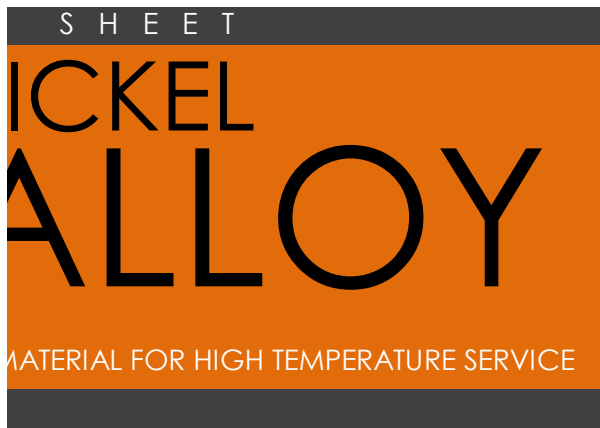
UNS N06110
EN number
EN Name
W.Nr.
SS
AFNOR

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-W alloy UNS N06690. Parentheses are mathematical conversions to SI units



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