

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 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	P	S	Si	Cr
0.20-0.40	0.15 Max	0.02 Max	0.010 Max	0.5 Max	24.0-26.0

Cu	Ti	Al	Fe	Zr	Y
0.5 Max	0.01-0.25	2.4-3.0	8.0-11.0	0.01-0.10	0.01-0.15

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
300	650	25

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

Equivalent Designation

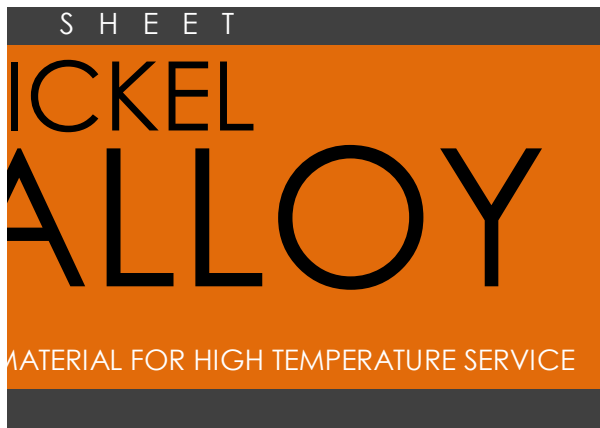
UNS N06603
EN number
EN Name
W.Nr.
SS
AFNOR

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



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