

SB 564

INCOLOY 825

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 UNS N08825. The values stated in inch-pound units are to be regarded as standard. The values given in metric units that are provided for information only and are not considered standard.

Chemical Properties

C	Mn	S	Si	Cr	Mo
0.05 Max	1.0 Max	0.03 Max	0.5 Max	19.5-23.5	2.5-3.5

Ni	Cu	Ti	Al	Fe
38.0-46.0	1.5-3.0	0.6-1.2	0.2 Max	22.0 Min

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
241	586	30

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

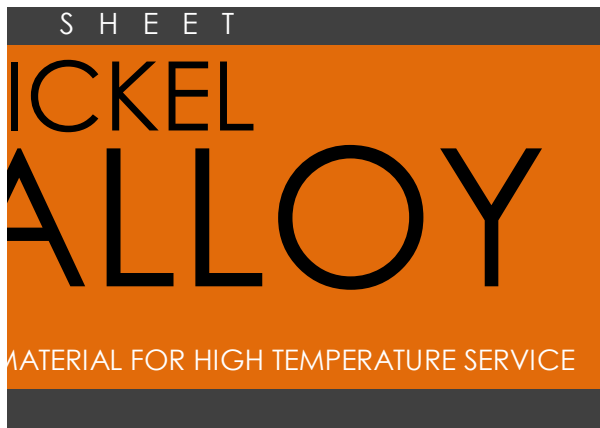
Equivalent Designation

UNS N08825
EN number NiFe30Cr21Mo3
EN Name
W.Nr. 2.4858
SS
AFNOR

TorqBolt Inc

CUSTOMER ASSISTANCE : customer@TorqBolt.com

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Chemical composition. A chemical analysis shall be performed on the material to determine its properties like tensile strength, yield strength, and elongation. SB 564 covers Ni-Fe-Cr-Mo-Cu alloy. Parentheses are mathematical conversions to SI



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