

SB 564

HASTELLOY G35

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 alloy. The values given in parentheses are mathematical values for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr	Mo
0.050 Max	0.50 Max	0.030 Max	0.015 Max	0.60 Max	32.25-34.25	7.60-9.00

Cu	V	Al	W	Co	Fe
0.30 Max	0.20 Max	0.40 Max	0.60 Max	1.00 Max	2.00 Max

Mechanical Properties

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

Heat Treatment

Solution Annealed @ 1080°C & Liquid Quenched

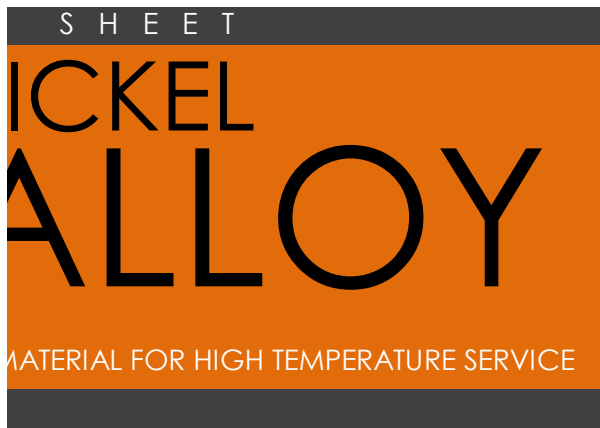
Equivalent Designation

UNS N06035
EN number NiCr33MoB
EN Name
W.Nr. 2.4643
SS
AFNOR

TorqBolt Inc

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Chemical composition. A chemical analysis shall be performed on each specimen. Properties like tensile strength, yield strength, and elongation shall be determined on each specimen. SB 564 covers UNS N06035. The values are in SI units. The values in parentheses are the mathematical conversions to SI units that are provided.



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