

SB 564

HAYNES HR160

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 SB 564. 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
0.15 Max	1.5 Max	0.030 Max	0.015 Max	2.4-3.0	26.0-30.0

Mo	Cb	Ti	W	Co	Fe
1.0 Max	1.0 Max	0.20-0.80	1.0 Max	27.0-33.0	3.5 Max

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
240	620	40

Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

Equivalent Designation

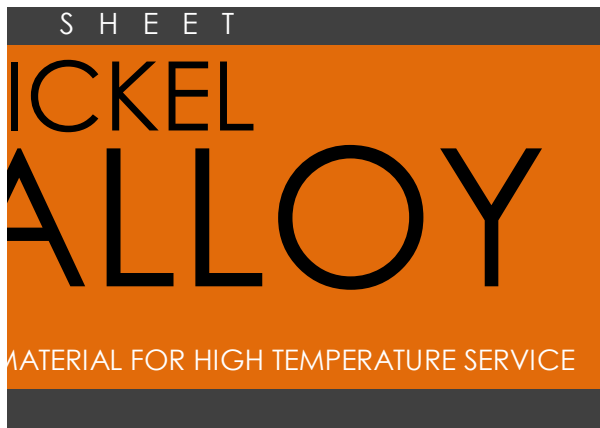
UNS N12160
EN number Co29Cr28Si
EN Name
W.Nr. 2.4880
SS
AFNOR

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-Co-Cr-Si alloy UNS N06690. Parentheses are mathematical conversions to SI units



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