

SB 564

NICROFER 5923 hMo (Alloy 59)

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 UNS N06059. The values stated in inch-pound units are to be regarded as standard. The values given in SI units that are provided for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr
0.010 Max	0.5 Max	0.015 Max	0.010 Max	0.10 Max	22.0-24.0

Mo	Cu	Al	Co	Fe
15.0-16.5	0.50 Max	0.1-0.4	0.3 Max	1.5 Max

Mechanical Properties

Yield strength	Tensile strength	Elongation
Mpa	Mpa	%
min	min	min
310	690	45

Heat Treatment

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Solution Annealed @ 1080°C & Liquid Quenched

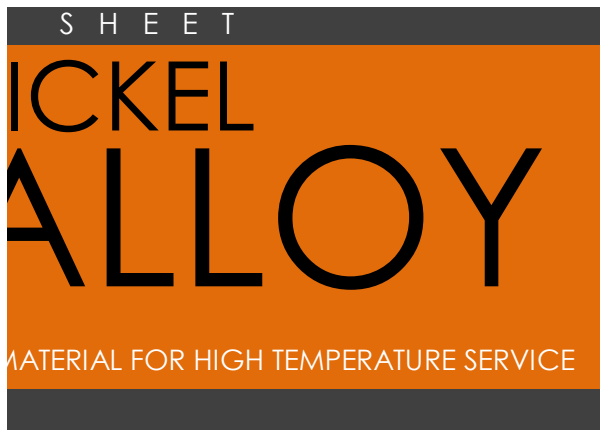
Equivalent Designation

UNS N06059
EN number NiCr22Mo
EN Name
W.Nr. 2.4605
SS
AFNOR

TorqBolt Inc

CUSTOMER ASSISTANCE : customer@TorqBolt.com

#4/215, Bhatawdekar Lane,
R. R. Roy Road, Mumbai – 400 004,
Maharashtra, INDIA



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 low-carbon Ni-Cr-Mo alloys. Values in parentheses are mathematical conversions



Email: info@TorqBolt.com

Web: www.TorqBolt.com

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