

S32520/F59

SUPER DUPLEX ALLOY

BOLTING MATERIAL FOR HIGH TEMPERATURE SERVICE

This is a Super Duplex alloy stainless steel designed to feature high strength, resistance to pitting, stress corrosion cracking, erosion corrosion and corrosion fatigue, crevice corrosion and strong weldability.

Chemical Properties

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N
0.030 Max	1.50 Max	0.035 Max	0.020 Max	0.80 Max	24.0-26.0	5.5-8.0	3.0-5.0	0.50-3.00	0.20-0.35

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction	Hardness
Mpa	Mpa	%	%	BHN
min	min	min	min	
550	770	25		

Heat Treatment

Solution Annealed @ 1080°C -1120°C & Liquid Quenched @ 260°C

Equivalent Designation

UNS S32520
EN number
EN Name
W.Nr.
SS
AFNOR

CUSTOMER ASSISTANCE : customer@TorqBolt.com