

S 32950/F52

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	N
0.030 Max	2.00 Max	0.035 Max	0.010 Max	0.60 Max	26.0-29.0	3.50-5.20	1.00-2.50	0.15-0.35

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction	Hardness
Mpa	Mpa	%	%	BHN
min	min	min	min	
485	690	15	--	297

Heat Treatment

Solution Annealed @ 995°C-1025°C & Liquid Quenched @ 260°C

Equivalent Designation

UNS S31803

CUSTOMER ASSISTANCE : customer@TorqBolt.com