



Super Duplex UNS S32760S

Super Duplex UNS S32760S has a microstructure of approximately 50% austenite and 50% ferrite and has been designed to cope well in aggressive and harsh environments.

UNS S32760 contains high molybdenum, chromium and nitrogen which help towards the outstanding resistance to pitting and crevice corrosion in seawater as well as other chloride containing environments and has excellent resistance to SCC (stress corrosion cracking).

Super Duplex UNS S32760S is cold worked to achieve minimum properties of ASTM A320 L7, it is known for its high strength compared to standard austenitic and ferritic stainless steels.

Use of UNS S32760S applications include oil & gas, pump & valve, power generation, chemical processing, and desalination plants.

Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.030	1.000	1.000	0.030	0.010	24.0-26.0	6.00-8.00	3.00-4.00
W	N	Cb/Nb	Ti	Co	Cu	Al	B
0.50-1.00	0.20-0.30				0.50-1.00		
V	Fe	Mg	Ta	Ca	O	Bi	Se
Sn	Zn	Pb	Y	Cb/Nb +	Ni + Co	H	PREN

Typical Mechanical Properties Product Forms Available:

Tensile Strength	860 N/mm ² min
0.2% Proof Stress	720 N/mm ² min
Elongation	16% min
Reduction of Area	
Hardness	335 HBw Max
Impacts @ -101°C	27 Joules Average
Stress Rupture	
Other Remarks	

- Hexagon Head Bolts
- Hexagon Nuts
- Studbolts
- Socket Capscrews
- Socket Countersunk Screws
- Socket Setscrews
- & Many other special fasteners and bespoke machined parts

Products can be produced to customer drawings or relevant British (BS), American (ASME, ANSI), European (DIN, UNI) or International Standards (ISO).

The size ranges M3 to M120 Metric and 3/16" to 4.75" Imperial can be supplied. Thread forms include UNC, UNS, UNF, BSW, BSF, Whitworth, Metric, Metric Fine.

*West Special Fasteners are Norsok and ExxonMobil approved.



Callywhite Lane
Dronfield
Derbyshire
S18 2XR

T: +44 01246 291111
www.westspecialfasteners.co.uk
sales@westspecialfasteners.co.uk