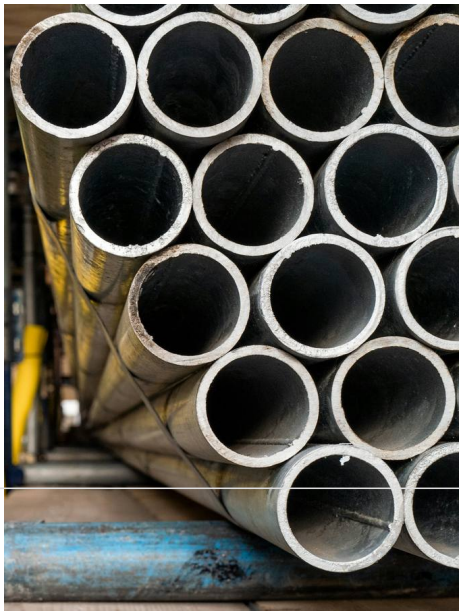
DUPLEX & SUPER DUPLEX Advanced Materials. Engineered for Performance.

Super Duplex 2507

Duplex & Super Duplex | UNS: S32750 / S32760 | EN: 1.4410 / 1.4501

Super duplex with PREN above 40 for the most aggressive seawater and sour service. S32760 (Zeron 100) adds tungsten and copper for enhanced acid resistance.



Stock status: Mill indent - Typical lead time: 4 - 8 weeks mill indent

Key features

- PREN above 40
- Immune to chloride SCC in seawater
- NORSOK and NACE MR0175 compliant material available

Available forms & sizes

Form	Size range
Plates	1.5 - 100 mm thk, up to 2500 mm wide
Seamless Pipes & Tubes	1/2" - 24" NB, SCH 5S - SCH 160
Round Bars	6 - 500 mm dia
Flanges	1/2" - 48", 150# - 2500#
Fittings	1/2" - 48", SCH 10S - SCH 160

Chemical composition (%)

Element	Min	Max
C	-	0.030
Cr	24.0	26.0
Ni	6.0	8.0
Mo	3.0	5.0
N	0.24	0.32

Mechanical properties

Property	Value	Unit
Yield Strength (0.2%)	550 min	MPa

Property	Value	Unit
Tensile Strength	750 min	MPa
Elongation	25 min	%
Hardness	310 max	HBW

Physical properties

Property	Value	Unit
Density	7.80	g/cm3
PREN	41	-

Standards

ASTM A240, ASTM A790, ASTM A182, NORSOK M-630

Equivalent grades

1.4410, 1.4501, SAF 2507, Zeron 100

Industries served

Oil & Gas, Offshore, Desalination

Typical applications

- Seawater cooling systems
- Sour gas service piping
- Firewater ring mains
- Umbilical and subsea components

Live datasheet