

SUPER DUPLEX 2507

Description

Super Duplex 2507 is a nickel-molybdenum-chromium alloy designed for applications demanding outstanding strength and corrosion resistance. The nitrogen, chromium, and high molybdenum content results in excellent resistance to crevice corrosion and chloride pitting. Super Duplex 2507 is often found in offshore platforms, heat exchangers, chemical processing, seawater equipment, and in the petrochemical industry.

Forms in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS S32750

Welded Pipe	6"-12"	10s, 40s	ASTM/ASME 790
Smls Pipe	½"-8"	10s, 40s, 80s, 160	ASTM/ASME 790
B/W Fittings	½"-12"	10s, 40s, 80s, 160	ASTM/ASME 815
Flanges	½"-12"	150#, 300#	ASTM/ASME F53

Limiting Chemical Composition, %

Cr...24.0-26.0	N.....0.24-0.32	P.....0.035 max.
Ni...6.0-8.0	Mn... 1.20 max.	S.....0.020 max.
Mo...3.0-5.0	Si....0.80 max.	Fe...Balance
C.....0.030 max.	Cu...0.50 max.	