

# Super Duplex 2507

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

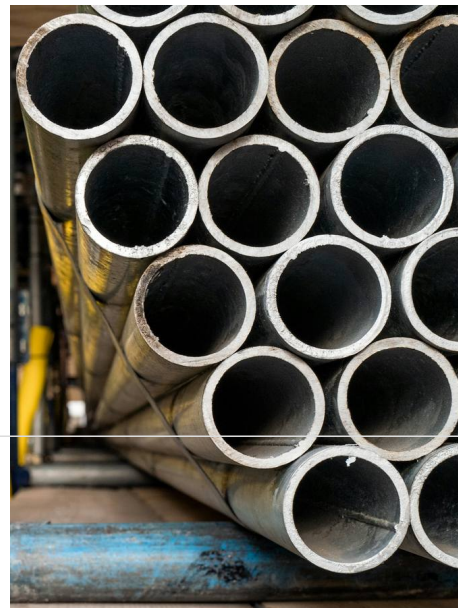
Super duplex with PREN above 40 for the most aggressive seawater and sour service. S32760 (Zeron 100) adds tungsten and copper for enhanced acid resistance.

## 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  |
| 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