

SUPERDUPLEX 32760 (Zeron100®)

UNS S32760
X2CrNiMoCuWN 25 7 4
1.4501



Superduplex UNS S32760 (F55 / 1.4501) has excellent corrosion resistance to a wide variety of media, with outstanding resistance to pittings and crevice corrosion in seawater and other chloride containing environments, with Critical Pitting Temperature exceeding 50°C. Providing higher strength than both austenitic and 22% Cr Duplex Stainless Steel UNS S32760 is suited to a variety of application in industries such as chemical processing, oil & gas and marine environments.

FEATURES

- Excellent corrosion resistance in a wide variety of corrosive media.
- Outstanding resistance to pitting and crevice corrosion in seawater and other chloride containing environments, with critical pitting temperature exceeding 50°C.
- High strength compared to austenitic and 22% Cr duplex stainless steels.

APPLICATIONS

- Pollution control.
- Fuel-gas desulphuration.
- Pulp and water.
- Desalination plants.
- Mining & mineral industries.
- Marine industries.
- Pipeworks systems.

TECHNICAL INFORMATION Chemistry

El. Químico		% Máx.
C	C Carbon	0.05
Mn	Manganese	1.00
P	Phosphorus	0.030
S	Sulphur	0.010
Si	Silicium	1.00
Ni	Nickel	6.00 - 8.00
Cr	Chromium	24.0 - 26.0
Mo	Molibdenum	3.0 - 4.0
Cu	Copper	0.5 - 1.0
N	Nitrogen	0.2 - 0.3
W	Wolframium	0.5 - 1.0

Mechanical properties according standards

Norm ASTM	Rm min.	Rp 0,2% min.	E4d min.%	Z min. %	T.I.(J)	HR B	HB
A-182	109 (750)	80 (550)	25				
A-240	108 (750)	80 (550)	25				270
A-473	109 (750)	80 (550)	25				290
A-479	109 (750)	80 (550)	25				300
A-790	109 (750)	80 (550)	25				270
A-815	109-130 (750-895)	80 (550)	25				270

PRODUCTS



ROUND BAR
Diam. 10 to 400 mm
ASTM A-240



DIN / ASA FLANGES
1/2" to 24" 150lbs - 3000lbs
ASTM A-182



SEAMLESS PIPES
1/2" to 8" SCH10 to SCH80S
ASTM A-789/790



PLATE / FLAT PRODUCTS
Esp. 0.5 to 40 mm
ASTM A-240



WELDED PIPES
Diam. 10 to 400 mm
ASTM A-240



PIPE FITTINGS. BW, SW, HIGH PRESUSRE...
D8" to 24" SCH10 to SCH80S
ASTM A-815

