

DUPLEX 2205

Description

Duplex 2205 is a chromium molybdenum blend which combines properties of both ferritic and austenitic steels. Having both a high resistance to corrosion fatigue, corrosion cracking, and erosion, Duplex 2205 is used in oil and gas, desalination plants, and industries handling chlorides.

Forms in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS S31803/S32205

Welded Pipe	4"-24"	10s, 20s, 40s, 80s, 160	ASTM/ASME 790
Smls Pipe	½"-8"	10s, 40s, 80s, 160, XXH	ASTM/ASME 790
B/W Fittings	½"-24"	10s, 40s, 80s, 160	ASTM/ASME 815
Flanges	½"-24"	150#, 300#	ASTM/ASME F51, F60
Pressure Fittings	½"-2"	3000# THRD/SW	ASTM/ASME F51, F60

Limiting Chemical Composition, %

C.....0.30 max.	N.....0.08-0.20
Cr...21.0-23.0	Ni...4.50-6.50
Fe...Balance	P.....0.03 max.
Mn...2.0 max.	S.....0.02 max.
Mo...2.5-3.5	Si...1.0 max.