TECHNICAL DATA
254 SMO

254 SMO fasteners offer good general and localized corrosion protection from saltwater and harsh chloride environments. A high-end stainless steel alloy, 254 SMO is almost 2x's stronger than 300 series stainless. For brackish water, marine, pulp & paper bleaching and other chloride applications, 254 SMO bolts can provide an effective, economical substitute to nickel alloys. 254 SMO offers slightly less strength and high temperature stability to sister alloy AL6XN.

Properties

Ultimate Tensile Strength	98 ksi
Yield Strength at 0.2%	43 ksi
Elongation %	50
Usable Temperature Limit	700˚F / 371˚C

Key Benefits

- Good general and localized corrosion resistance to high chloride and saltwater environments
- Strength nearly twice that of 300 series steels
- High ductility and impact strength

Chemistry & Specifications

254 SMO	Fe	Cr	Ni	Mo	Cu	Mn	Si	N	P	C	S
Min %	-	19.5	17.5	6.0	0.5	-	-	0.18	-	-	-
Max %	Bal	20.5	18.5	6.5	1.0	1.0	0.8	0.20	0.03	0.02	0.01

SPECIFICATIONS: UNS S31254, EN Number 1.4547

Material Data