

## INCONEL ALLOY 6XN

# NICKEL ALLOY

HIGH TEMPERATURE RESISTING ALLOY

INCONEL 6XN covers nickel alloy forgings. These alloys are classified into different grades according to their chemical composition. Inconel 6XN Alloy covers Fe-Ni-Cr-Mo-N alloy UNS N08367. AL6XN is a superaustenitic stainless steel with outstanding resistance to chloride pitting, crevice corrosion and stress corrosion cracking. AL6XN is a 6 moly alloy that was developed for and is used in highly aggressive environments. AL6XN is primarily used for its improved pitting and crevice corrosion resistance in chlorides. It is a formable and weldable stainless steel. The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

### Chemical Properties

C	Mn	P	S	Si	Cr	Mo	Ni	Cu	N
0.030 Max	2.00 Max	0.040 Max	0.030 Max	1.00 Max	20.0-22.0	6.0-7.0	23.50-25.50	0.75 Max	0.18-0.25

### Mechanical Properties

Yield strength	Tensile strength	Elongation
Min 0.2% Mpa	Min Mpa	Min %
310	655	30

### Heat Treatment

Solution Annealed @ 1177°C & Rapidly Liquid Quenched

### Equivalent Designation

UNS N08367

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