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Type 316 stainless steel(S31600)

Specifications

Item	Chemical Composition (%)							
	C Mn		Si	Cr	Ni	Мо	Р	S
TP316	≤0.08	≤2.0	≤1 .0	16.0-18.0	11.0-14.0	2.0-3.0	≤0.04	≤0.03
	Standard							
	Plate/Sheet		Round bar/Wire		Pipe		Tube	
	ASTM A240				ASTM A-213		ASTM A269	
			ASTM	ASTM A-276			ASTM A-312	
					ASTM A-312		ASTM A-249	

Properties

Type 316 stainless steel is a molybdenum-bearing grade. This addition gives the better overall corrosion resistance properties than type 304 and higher creep strength at elevated temperatures.

Application

Type 316 stainless steel gives useful service at room temperature in sulphuric acid of concentration of lower than 15% and higher than 85%. It also resists chloride attack and is often selected for use in marine atmospheres.