

## Type 316 stainless steel(S31600)

### Specifications

Item	Chemical Composition (%)							
	C	Mn	Si	Cr	Ni	Mo	P	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-276		ASTM A-213 ASTM A-312		ASTM A269 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.