



**Changzhou Giant Welding Co.,Ltd**  
www.giantweld.com

<b>Standard:</b> <b>AWS A5.4</b> <b>AWS A5.4M</b>	Chemical Composition %									
	C	Cr	Ni	Mo	Mn	Si	P	S	Cu	Nb+Ta
Grade E347-16	≤0.08	18.0 ~ 21.0	9.0 ~ 11.0	≤0.75	0.5 ~ 2.5	≤1.00	≤0.04	≤0.03	≤0.75	8xC ~ 1.0
Specification ( MM )	1.6、 2.0、 2.4、 3.2、 4.0、 5.0									
Package	5 kgs/plastic bag in a color box, 20kgs/carton, 1 ton in a pallet									
Mechanical Properties		Tensile Strength Mpa					Elongation %			
	Specification	≥ 520					≥ 30			
Specification	E347-16 is a kind of niobium (Nb) or columbium (Cb) stabilized austenitic stainless steel. This makes it particularly suitable for welding similar alloys like AISI 321 and 347 stainless steels. The niobium/columbium content acts as a stabilizer, preventing the formation of chromium carbides at elevated temperatures (known as sensitization), which helps maintain corrosion resistance, especially in applications where the weld metal is exposed to temperatures above 700° F (371 ° C).									
Application	E347-16 is a specialized electrode chosen when the welded joint needs to maintain its strength and corrosion resistance, especially in environments involving high temperatures and aggressive corrosive substances.									

