

Chemical Composition for Stainless Steel Welding wire

Grade			Chemical composition								Unit :%	
JIS	AISI	DIN	C	Si	Mn	P	S	Ni	Cr	Mo	Others	Characteristics and Application
Y308	ER308	SG 1.4302	0.08 max.	0.65 max	1.00 - 2.50	0.030 max	0.030 max	9.00 - 11.00	19.50 - 22.00	-	-	-
Y308L	ER308L	SG 1.4316	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	9.00 - 11.00	19.50 - 22.00	-	-	-
-	ER308LSi	-	0.030 max	0.65 - 1.00	1.00 - 2.50	0.030 max	0.030 max	9.00 - 11.00	19.50 - 22.00	-	-	-
Y309	ER309	SG 1.4829	0.12 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	12.00 - 14.00	23.00 - 25.00	-	-	-
Y309L	ER309L	SG 1.4332	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	12.00 - 14.00	23.00 - 25.00	-	-	-
-	ER309LSi	-	0.030 max	0.65 - 1.00	1.00 - 2.50	0.030 max	0.030 max	12.00 - 14.00	23.00 - 25.00	-	-	-
Y309Mo	ER309Mo	SG 1.4459	0.12 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	12.00 - 14.00	23.00 - 25.00	2.00 - 3.00	-	-
Y310	ER310	SG 1.4842	0.15 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	20.00 - 22.50	25.00 - 28.00	-	-	-
Y310S	ER310S	-	0.08 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	20.00 - 22.50	25.00 - 28.00	-	-	-
Y312	ER312	SG 1.4337	0.15 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	8.00 - 10.50	28.00 - 32.00	-	-	-
Y16-8-2	ER16-8-2	-	0.10 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	7.50 - 9.50	14.50 - 16.50	1.00 - 2.00	-	-
Y316	ER316	SG 1.4403	0.08 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	11.00 - 14.00	18.00 - 20.00	2.00 - 3.00	-	-
Y316L	ER316L	SG 1.4430	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	11.00 - 14.00	18.00 - 20.00	2.00 - 3.00	-	-
-	ER316LSi	-	0.030 max	0.65 - 1.00	1.00 - 2.50	0.030 max	0.030 max	11.00 - 14.00	18.00 - 20.00	2.00 - 3.00	-	-
Y316JIL	ER316JIL	-	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	11.00 - 14.00	18.00 - 20.00	2.00 - 3.00	Cu 1.00 - 2.50	Cu 1.00 - 2.50
Y317	ER317	SG 1.4440	0.08 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	13.00 - 15.00	18.50 - 20.50	3.00 - 4.00	-	-
Y317L	ER317L	SG 1.4440	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	13.00 - 15.00	18.50 - 20.50	3.00 - 4.00	-	-
Y321	ER321	-	0.08 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	9.00 - 10.50	18.50 - 20.50	-	Ti 9xC% - 1.00	Ti 9xC% - 1.00
Y347	ER347	SG 1.4551	0.08 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	9.00 - 11.00	19.00 - 21.50	-	Nb 10xC% - 1.00	Nb 10xC% - 1.00
Y347L	ER347L	-	0.030 max	0.65 max	1.00 - 2.50	0.030 max	0.030 max	9.00 - 11.00	19.00 - 21.50	-	Nb 10xC% - 1.00	Nb 10xC% - 1.00
Y430	ER430	SG 1.4015	0.10 max	0.50 max	0.60 max	0.030 max	0.030 max	0.60 max	15.50 - 17.00	-	-	-
Y410	ER410	SG 1.4009	0.12 max	0.50 max	0.60 max	0.030 max	0.030 max	0.60 max	11.50 - 13.50	0.75 max	-	-