

## 1) MIG, TIG Wire for Stainless Steels

Product Name		Classification	Wire Dia (inch)	Typical Chemical Composition on Weld(%)						Shield Gas	Applications	Approval
(for MIG)	(for TIG)			C	Mn	Si	Cr	Ni	Mo			
MGC-308	TGC-308	AWS ER308 JIS YS308	MIG : 0.035 0.045 1/16	0.04	1.80	0.32	19.82	10.22	-	MIG : Ar+ 2%O <sub>2</sub>	For welding of STS304 stainless steel.	-
MGC-308L	TGC-308L	AWS ER308L JIS YS308L		0.02	1.75	0.34	19.74	9.91	-		For welding of STS304(L) stainless steel.	ABS, BV, LR (MGC-308L) BV, DNV, LR, RS (TGC-308L)
MGC-308LSi	TGC-308LSi	AWS ER308LSi JIS YS308LSi		0.02	1.75	0.84	19.91	10.06	-		-	
MGC-309	TGC-309	AWS ER309 JIS YS309		0.06	1.75	0.34	23.95	13.05	-		ABS (TGC-309)	
MGC-309L	TGC-309L	AWS ER309L JIS YS309L		0.02	1.77	0.36	23.86	12.83	-		For welding of STS309S and dissimilar metal.	ABS (MGC-309L) ABS, BV, DNV, LR, RS (TGC-309L)
MGC-309LSi	TGC-309LSi	AWS ER309LSi JIS YS309LSi		0.02	1.80	0.85	23.70	12.95	-		-	
MGC-310	TGC-310	AWS ER310 JIS YS310		0.09	1.76	0.35	26.73	20.75	-		For welding of 25%Cr-20%Ni steel.	-
MGC-316	TGC-316	AWS ER316 JIS YS316		0.05	1.85	0.38	18.90	12.31	2.30		-	
MGC-316L	TGC-316L	AWS ER316L JIS YS316L		0.02	1.73	0.39	19.10	12.43	2.35		For welding of STS316(L) stainless steel.	DNV, LR (MGC-316L) ABS, BV, DNV, LR, RS (TGC-316L)
MGC-316LSi	TGC-316LSi	AWS ER316LSi JIS YS316LSi		0.02	1.75	0.84	19.20	12.50	2.15		TIG : Ar	-
MGC-317	TGC-317	AWS ER317 JIS YS317		0.02	1.61	0.41	18.50	13.05	3.05		For welding of 18%Cr-12%Ni-3%Mo steel.	-
MGC-317L	TGC-317L	AWS ER317L JIS YS317L		0.02	1.62	0.40	18.60	13.10	3.08		For welding of low carbon 18%Cr-12%Ni-3%Mo steel.	-
MGC-347	TGC-347	AWS ER347 JIS YS347		0.04	1.70	0.40	19.90	9.95	Nb 0.60		For welding of STS347 stainless steel.	-
MGC-410	TGC-410	AWS ER410 JIS YS410		0.09	0.42	0.33	12.68	-	-		For welding of 13%Cr steel.	-
MGC-430	TGC-430	AWS ER430 JIS YS430		0.05	0.35	0.28	16.4	-	-		For welding of 18%Cr steel.	-
MGC-2209	TGC-2209	AWS ER2209 JIS YS2209		0.01	1.75	0.40	22.60	8.70	3.20		For welding of duplex stainless steel.	-
-	TGC-2594	AWS ER2594	0.01	0.60	0.47	25.35	9.21	4.13	For welding of super duplex stainless steel	-		