

# TASETO Welding Materials

Bare Stainless Steel Rods

For Gas Tungsten Arc Welding

## TG308F

● Applicable Specification

JIS Z 3321 YS308H                      AWS A5.9      ER308H

● Identification Color

End Face : Yellow                      Side Face : -

● Application

High Temperature Use

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.045	0.40	1.89	0.017	0.013	9.80	19.83	0.06	0.07

## TG308L2

● Applicable Specification

JIS Z 3321 YS308L                      AWS A5.9      ER308L

● Identification Color

End Face : Red                      Side Face : Red

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.012	0.37	1.93	0.022	0.002	9.97	19.91	0.08	0.10

## TG308L1

● Applicable Specification

JIS Z 3321 YS308L                      AWS A5.9      ER308L

● Identification Color

End Face : Red                      Side Face : Red

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.008	0.39	1.82	0.025	0.001	9.93	20.21	0.11	0.13

## TG310S

● Applicable Specification

JIS Z 3321 YS310S

● Identification Color

End Face : Pink                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.053	0.47	1.60	0.022	0.001	20.94	26.20	0.08	0.11

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## TG316L2

- Applicable Specification

JIS Z 3321 YS316L                      AWS A5.9      ER316L

- Identification Color

End Face : Green                      Side Face : Green

- Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.014	0.38	1.51	0.021	0.002	12.18	18.55	2.21	0.09

## TG316L1

- Applicable Specification

JIS Z 3321 YS316L                      AWS A5.9      ER316L

- Identification Color

End Face : Green                      Side Face : Green

- Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.007	0.36	1.57	0.024	0.001	12.34	18.65	2.13	0.09

## TG316J1L

- Applicable Specification

JIS Z 3321 YS316LCu

- Identification Color

End Face : Gray                      Side Face : —

- Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.012	0.28	1.22	0.013	0.004	13.45	19.40	2.22	2.07

## TG16-8-2

- Applicable Specification

JIS Z 3321 YS16-8-2                      AWS A5.9      ER16-8-2

- Identification Color

End Face : White                      Side Face : —

- Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.067	0.37	1.69	0.011	0.005	9.03	15.67	1.76	0.01

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## TG317L

● Applicable Specification

JIS Z 3321 YS317L                      AWS A5.9      ER317L

● Identification Color

End Face : Maroon                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.005	0.30	1.88	0.020	0.001	13.51	18.96	3.41	0.06

## TG317J1

● Applicable Specification

JIS Z 3321 -                                      AWS A5.9      -

● Identification Color

End Face : Sky Blue                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.018	0.61	1.51	0.028	0.001	15.86	17.88	4.79	0.02

## TG347L

● Applicable Specification

JIS Z 3321 YS347L                      AWS A5.9      ER347

● Identification Color

End Face : Blue                              Side Face : Red

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Nb	Cu
Typical	0.021	0.40	2.03	0.006	0.002	10.00	19.40	0.08	0.66	0.09

## TG347HT

● Applicable Specification

JIS Z 3321 YS347                              AWS A5.9      ER347

● Identification Color

End Face : Blue                              Side Face : Blue

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Nb	Cu
Typical	0.052	0.40	1.57	0.025	0.002	9.19	19.17	0.09	0.65	0.10

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## TG410

● Applicable Specification

JIS Z 3321 YS410                      AWS A5.9      ER410

● Identification Color

End Face : Purple                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.007	0.29	0.39	0.019	0.003	0.19	12.46	0.06	0.04

## TG430

● Applicable Specification

JIS Z 3321 YS430                      AWS A5.9      ER430

● Identification Color

End Face : Brown                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.014	0.38	0.38	0.021	0.004	0.23	16.65	0.02	0.04

## TG330

● Applicable Specification

JIS Z 3321 -                      AWS A5.9      -

● Identification Color

End Face : Bright Yellow      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr
Typical	0.048	0.31	1.64	0.010	0.003	34.65	15.89

## TG630

● Applicable Specification

JIS Z 3321 YS630                      AWS A5.9      ER630

● Identification Color

End Face : Orange                      Side Face : -

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Nb	Cu
Typical	0.040	0.42	0.50	0.014	0.001	4.79	16.23	0.03	0.22	3.35

# TASETO Welding Materials

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## TG329J3L

● Applicable Specification

JIS Z 3321 YS2209

AWS A5.9 ER2209

● Identification Color

End Face : Red

Side Face : Green

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N
Typical	0.014	0.41	1.69	0.017	0.001	8.72	22.59	3.15	0.10	0.17

## TG329J4L

● Applicable Specification

JIS Z 3321 YS329J4L

AWS A5.9 ER2594

● Identification Color

End Face : Red

Side Face : Blue

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N
Typical	0.013	0.45	0.63	0.018	0.001	9.32	25.44	3.78	0.07	0.23