

TASETO Welding Materials

Bare Stainless Steel Rods

For Gas Tungsten Arc Welding

TG308

● Applicable Specification

JIS Z 3321 YS308
AWS A5.9 ER308

● Identification Color

End Face : Yellow

● Applications and Characteristics

TASETO TG308 is the most commonly used welding material for Type 304 stainless steel used for food and chemical equipment.

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.050	0.40	1.89	0.012	0.010	9.56	20.45	0.07	0.13

● Mechanical Properties of All Weld Metal

	0.2% Proof Stress (MPa)	Tensile Strength (MPa)	4D Elongation (%)
Typical	446	593	43.5

● Sizes Available and Recommended Welding Currents (DCEN)

Rod Diameter (mm)	0.8	0.9	1.0	1.2	1.6	2.0	2.4	2.6	3.2	4.0	5.0	6.0
Rod Length (mm)	1000											
Welding Current(A)	50~80		50~120			100~200			150~250		220~280	

*Rod Diameter 0.8, 0.9, 6.0 mm : Made to order products