

TASETO Welding Materials

Bare Stainless Steel Rods

For Gas Tungsten Arc Welding

TG316

● Applicable Specification

JIS Z 3321 YS316
AWS A5.9 ER316

● Identification Color

End Face : White

● Applications and Characteristics

TASETO TG316 is the welding material for Type 316 stainless steel. As the weld metal contains Mo, it exhibits excellent corrosion resistibility against seawater, non-oxidizing acids such as acetic acid and dilute sulfuric acid, and chlorides.

● Chemical Composition of Wire (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Typical	0.053	0.42	1.69	0.010	0.009	12.50	19.30	2.32	0.21

● Mechanical Properties of All Weld Metal

	0.2% Proof Stress (MPa)	Tensile Strength (MPa)	4D Elongation (%)
Typical	459	572	42.4

● 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
Rod Length (mm)	1000										
Welding Current (A)	50~80		50~120			100~200			150~250		220~280

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