

Stainless Steel MIG•TIG Wire/Rod

GM310 / GT310

AWS A5.9 ER310
JIS Z 3321 YS310
ISO 14343-A-G 25 20
14343-A-W 25 20

Product Features:

- Full austenite structure weld metal, good corrosion and heat resistance, better toughness than high hardening tendency 13%Cr steel.

Applications:

- Welding of SUS310 stainless steel.
- Welding of Cr-Mo steels.
- Welding of 13%Cr steel.

Shielding gas:

- Ar+ 1~2% O₂ (MIG)
- 100%Ar (TIG)

Typical chemical composition of wire / rod (wt%)

C	Si	Mn	Ni	Cr	Fe
0.09	0.38	1.53	20.55	26.62	Bal.

Typical mechanical properties of all weld metal

Tensile Strength N/mm ²	Elongation %
590	41

MIG Size (mm) & recommended welding parameters; DC+

Diameter (mm)	0.9/1.0	1.2	1.6
Current range (Amp)	70~200	90~250	200~300

TIG rod size diameter/length; DC-

Diameter (mm)	1.6	2.0	2.4/2.6	3.2
Length (mm)	1000	1000	1000	1000

Note:

Goodweld Corporation
No.99, Huangong Rd. Yongkang Tainan, Taiwan
Phone: 886-6-2331003 Fax: 886-6-2333213
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