

**TG-S70SA1****TIG wire and rod for 0.5%Mo steel**

<b>Features:</b>	• Applied for ASTM A204 Gr. A, B, C and equivalents
<b>Classification:</b>	AWS A5.28 ER70S-A1
<b>Shielding Gas:</b>	Ar
<b>Identification color:</b>	1st Green
<b>Polarity:</b>	DCEN

**Packaging data**

φ mm	kg	Tube	
		Length mm	g/piece
1.6	5	1,000	16
2.0	5	1,000	25
2.4	5	1,000	35
3.2	5	1,000	63
<b>Volume mm</b>	40W, 35H, 1015L		

**Composition (wire mass%)**

	Typical	Guaranty <sup>a</sup>
<b>C</b>	0.06	0.12
<b>Si</b>	0.53	0.30~0.70
<b>Mn</b>	1.03	1.30
<b>P</b>	0.006	0.025
<b>S</b>	0.008	0.025
<b>Ni</b>	0.02	0.20
<b>Mo</b>	0.54	0.40~0.65
<b>Cu</b>	0.15	0.35

Note: <sup>a</sup>Single values are maximum.

**All-weld mechanical properties**

	Typical	Guaranty
<b>0.2%YS (MPa)</b>	534	400min.
<b>TS (MPa)</b>	611	518min.
<b>EI on 4d (%)</b>	32	19min.
<b>IV 0°C (J)</b>	267	-
<b>PWHT (°C×h)</b>	620x1	620±15x1