

**TIG wire and rod for 5%Cr-0.5%Mo steel**

<b>Features:</b>	• Applied for ASTM A387 Gr.5 and equivalents
<b>Classification:</b>	AWS A5.28 ER80S-B6
<b>Shielding Gas:</b>	Ar
<b>Identification color:</b>	1st White
<b>Polarity:</b>	DCEN

**Packaging data**

Ø mm	Spool		Tube	
	kg	kg	Length mm	g/piece
1.0	10	-	-	-
1.2	10	-	-	-
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>	240W, 110H, 230L		40W, 35H, 1015L	

**Composition (wire mass%)**

	Typical	Guaranty <sup>a</sup>
<b>C</b>	0.09	0.10
<b>Si</b>	0.38	0.50
<b>Mn</b>	0.49	0.40~0.70
<b>P</b>	0.010	0.025
<b>S</b>	0.005	0.025
<b>Ni</b>	0.08	0.60
<b>Cr</b>	5.51	4.50~6.00
<b>Mo</b>	0.55	0.45~0.65
<b>Cu</b>	0.17	0.35

**All-weld mechanical properties**

	Typical	Guaranty
<b>0.2%YS (MPa)</b>	480	469min.
<b>TS (MPa)</b>	600	552min.
<b>El on 4d (%)</b>	26	17min.
<b>IV 0°C (J)</b>	280	-
<b>PWHT (°C×h)</b>	750x2	745±15x1

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