



WSG ER80S-B8

Manufactured by **FLIESS-GERMANY**

GTAW wires for high temperature creep resistant 9Cr, 1.0 Mo Ferritic Steel i.e. P9-
AWS A5.28/ASME SFA- A5.28 ER80S-B8

Key Characteristics

- Wire used for creep resistant applications up to 600C
- Particularly in environments involving hot hydrogen gas

Typical Applications

- Used in all oil refineries
- Alloy also finds applications in chemical and petrochemical Industries

Base Material

For Matching 9 Cr, 1 Mo Creep Resistant Ferritic Steels

ASTM A182 A336 F9 A199/A213 grades T9, A 217 grades C12, A234 grades WP9, A335 P9, A387 grades 9

Typical Analysis %

Typical Wire Composition	%C 0.08	%Mn 0.6	%Si 0.4 Max	%S 0.025 Max	%P 0.007
Typical Wire Composition	%Cr 8.9	%Ni 0.2 Max	%Mo 0.6 Max	%Cu 0.35 Max	%other 0.5 Max

Mechanical Properties

	Y.S. MPa (ksi)	T.S MPa (ksi)	Elongation %	Impact Energy J
Typical Results (all weld metal) As welded	470 mpa	590 mpa	4d/5d 18	Not applicable

Magma North America

8604 53rd Avenue, Edmonton, T6E 5G2

Tel: 780 761 2525 | Fax: 780 761 2520

Email: sales@magmanorthamerica.com | Web: www.magmanorthamerica.com

Ordering Information

Product Number	Product (AWS Specification)	Dimension mm/inches	Single Tube Weight kg/lb	Box Weight kg/lb
52416060510	WSG ER80S-B8 (ER80S-B8)	1.6 x 1000 mm (1/16")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)
52424060510	WSG ER80S-B8 (ER80S-B8)	2.4 x 1000 mm (3/32")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)
52432060510	WSG ER80S-B8 (ER80S-B8)	3.2 x 1000 mm (1/8")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)

