



WSG CrMo5

Manufactured by **FLIESS-GERMANY**

GTAW wires for high temperature creep resistant 5Cr, 0.5 Mo ferritic steel i.e P5
AWS A5.28/ASME SFA- A5.28 ER80S-B6

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 5 Cr, 0.5 Mo Creep resistant Ferritic steels

ASTM A182 A336 F5 A199/A213 grades T5, A
217gradesC5, A234 grades WP5, A335 P5 ,A387 Grades 5

Typical Analysis %

Typical Wire Composition	%C 0.08	%Mn 0.55	%Si 0.35	%S 0.025 Max	%P 0.007
Typical Wire Composition	%Cr 6.0	%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	450 mpa	550 mpa	4d/5d 18	Not applicable

Ordering Information

Product Number	Product (AWS Specification)	Dimension mm/inches	Single Tube Weight kg/lb	Box Weight kg/lb
52216060510	WSG CrMo-5 (ER80S-B6)	1.6 x 1000 mm (1/16")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)
52224060510	WSG CrMo-5 (ER80S-B6)	2.4 x 1000 mm (3/32")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)
52232060510	WSG CrMo-5 (ER80S-B6)	3.2 x 1000 mm (1/8")	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)

