


## SG Mo

CATEGORY	GMAW-GTAW Solid wires																																		
TYPE	Solid copper coated welding wire for 0,5% Mo steels.																																		
APPLICATIONS	Creep resistant steels, steam tubing, vessel, boilers, apparatus etc..																																		
PROPERTIES	Excellent welding properties. High world wide excepted quality with controlled cast and helix for semi and or semi-automatic applications. (Mag wire) Excellent to be used for creep resisting service at temperatures up to 500°C.																																		
CLASSIFICATION	AWS	A 5.28: ER 80 S-G																																	
	EN ISO	21952-A: G MoSi																																	
	DIN: W.Nr.	1.5424																																	
	DIN	8575: SG Mo																																	
SUITABLE FOR	Creep resistant steels: 15mo3, 16Mo3, 17Mo3, 22Mo4, 16Mo5, 14Mo6, 15NiCuMoNb5, 17MnMoV6 4 , A335 Grade P1 Boiler steels: P235GH, P310GH Pipe steels: L320Nb, L415Nb, L360Nb, L485Nb, X52-X70 Fine-grain steels: S255N, S460N, P255NH, P460NH, P460NL1 Cast steels: GE 240, GE 300																																		
APPROVALS	CE approved																																		
WELDING POSITIONS:																																			
WELT METAL ANALYSIS %	<table border="1"> <thead> <tr> <th>C</th> <th>Mn</th> <th>Si</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> </tr> </thead> <tbody> <tr> <td>0.09</td> <td>1.20</td> <td>0.60</td> <td>&lt; 0.15</td> <td>&lt; 0.15</td> <td>0.5</td> </tr> </tbody> </table>					C	Mn	Si	Cr	Ni	Mo	0.09	1.20	0.60	< 0.15	< 0.15	0.5																		
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GAS ACC. EN ISO 14175:	M21																																		