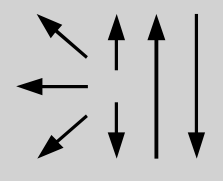


Classifications						
EN ISO 17632-A	EN ISO 17632-B	AWS A5.36		AWS A5.36M		
T46 6 Z M M21 1 H5	T556T15-1MA-G-H5	E80T15-M21A8-GH4		E550T15-M21A6-GH4		
Characteristics and typical fields of application						
Seamless, Nickel-Copper alloyed, metalcored wire for single- or multilayer welding of weathering resistant constructional steels with Ar-CO ₂ shielding gas. Features include: high yield, good weldability, excellent bead appearance, low spatter losses and exceptional mechanical properties at low temperatures. This wire is especially suitable for bridge constructions and chimney.						
Base materials						
S235JRG2Cu, S235J2G4Cu, S235J0Cu, S235JRW, S355J0Cu, S355J2G3Cu, S355J0W, 235J2W-S355J2W, S355K2W ASTM A 588 Gr. A, B, C, K; A 618 Gr. II; 709 Gr. C						
Typical analysis of all-weld metal (wt.-%)						
	Gas	C	Si	Mn	Ni	Cu
wt-%	M21	0.06	0.45	1.20	0.50	0.50
Mechanical properties of all-weld metal						
Condition	Yield strength R _e	Tensile strength R _m	Elongation A (L ₀ =5d ₀)	Impact work ISO-V KV J		
	MPa	MPa	%	-40°C	-60°C	
u	490 (≥470)	590 (550–680)	27 (≥20)	100	70 (≥47)	
u untreated, as welded – shielding gas M21						
Operating data						
	Polarity: DC (+)	Shielding gas: (EN ISO 14175) M21		ø (mm)		
				1.0		
				1.2		
				1.4		
				1.6		
Welding with standard GMAW power source possible						
Approvals						
CE						