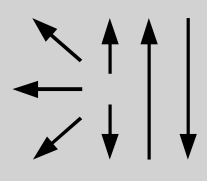


Classifications							
EN ISO 14341-A		EN ISO 14341-B		AWS A5.18			
G 46 2 C1 4Si1		G 55A 2 C1 S6		ER70S-6			
G 46 4 M21 4Si1		G 55A 4 M21 S6					
Characteristics and typical fields of application							
GMAW-solid wire for welding unalloyed and low alloy steels with CO ₂ and gas mixture. Low spatter transfer in the short and spray arc range. All-purpose usable wire electrode with large application range.							
Base materials							
S235JR-S355JR, S235JO-S355JO, S235J2-S355J2, S275N-S420N, S275M-S420M, P235GH-P355GH, P275NL1-P355NL1, P215NL, P265NL, P355N, P285NH-P420NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L245MB-L415MB, GE200-GE240, ship building steels: A, B, D, E, A 32-E 36 ASTM A 106 Gr. A, B, C; A 181 Gr. 60, 70; A 283 Gr. A, C; A 285 Gr. A, B, C; A 350 Gr. LF1; A 414 Gr. A, B, C, D, E, F, G; A 501 Gr. B; A 513 Gr. 1018; A 516 Gr. 55, 60, 65, 70; A 573 Gr. 58, 65, 70; A 588 Gr. A, B; A 633 Gr. C; A 662 Gr. B; A 711 Gr. 1013; A 841 Gr. A; API 5 L Gr. B, X42, X52, X56, X60							
Typical analysis of solid wire (wt.-%)							
	C		Si		Mn		
wt-%	0.08		1.00		1.65		
Mechanical properties of all-weld metal							
Heat-treatment	Shielding gas	Yield strength R _{p0.2}	Tensile strength R _m	Elongation A (L ₀ =5d ₀)	Impact work ISO-V KV J		
		MPa	MPa	%	+20 °C	−20 °C	−40 °C
aw	CO ₂	440	550	25	90	47	
aw	M21	470	580	24	130		47
Operating data							
	Polarity: DC (+)		Shielding gas: (EN ISO 14175) M2, M3, C1	ø mm	Spool: B300 B300 B300 B300		
				0.8			
				1.0			
				1.2			
				1.6			
Approvals							
TÜV (07461), DB (42.132.29) GL, CE							