

Classifications			
EN ISO Norme A	EN ISO Classification A	AWS/SFA Norme A	AWS/SFA Classification A
EN ISO 18276-A	T 69 6 Z P M21 1 H5	AWS A5.29 / SFA-5.29	E111T1-GM-JH4
Caractéristiques et domaines d'application			
Description courte	Caractéristiques principales	Applications	
Seamless rutile, Nickel-Molybdenum alloyed, flux-cored wire for single or multilayer welding of high strength steels with Argon-CO2 shielding gas. Main features: excellent weldability in all positions, excellent bead appearance, very low spatter losses, fast freezing and easy to remove slag. The good mechanical properties of this wire even at low temperatures (-60°C) as well as the low content of diffusible Hydrogen make it especially suitable for off-shore, pipeline applications and crane applications	Excellent weldability in all positions, excellent bead appearance, very low spatter losses, fast freezing and easy to remove slag. The good mechanical properties at low temperatures (-60°C) and low content of diffusible Hydrogen (<4 ml/100g)	Especially suitable for off-shore, pipeline applications and crane applications	
Composition chimique type du fil/du métal déposé hors dilution			
C	Si	Mn	Ni
0.07 %	0.4 %	1.7 %	2 %
Mo			
0.15 %			
Propriétés mécaniques - Condition 1			
Condition	Limite d'élasticité Re	Contrainte à la rupture Rm	Allongement A (L0=5d0)
u	770 (>= 690) MPa	800 (770 - 900) MPa	19 (>= 17) %
Température 1	Résilience 1 ISO-V KV	Température 2	Résilience 2 ISO-V KV
-60 °C	60 (>= 47) J	-40 °C	75 J
Remarques			
u: untreated, as welded - shielding gas M21			
Details welding consumables			
ABS	BV	CE	CLASS AWS
4YQ690 H5	SA 4Y69 M H5	X	E111T1-GM-JH4
CLASS EN ISO	DNV-GL	LR	NORM AWS
T 69 6 Z P M21 1 H5	V Y69MS(H5)	DXVu0-BF-4Y69S-H5-NA	AWS A5.29 / SFA-5.29
NORM EN ISO	TÜV		
EN ISO 18276-A	X		