

Classifications			
EN ISO Norme A	EN ISO Classification A	AWS/SFA Norme A	AWS/SFA Classification A
EN ISO 17632-A	T 46 4 B M21 3 H5	AWS A5.20 / SFA-5.20	E71T-5M JH4
Caractéristiques et domaines d'application			
Description courte	Caractéristiques principales	Applications	
Seamless basic flux-cored wire for single or multilayer welding of carbon, carbon-manganese steels and similar steels, including fine grain steels with Argon-CO2 shielding gas or pure CO2. Main features: excellent weldability in flat and horizontal position, smooth and bright bead, very low spatter losses, easy to remove slag and exceptional mechanical properties even at low temperatures. This wire is especially suitable for welding components of different material or as buffer layer for hardfacing applications.	Excellent weldability in flat and horizontal position, smooth and bright bead, very low spatter losses, easy to remove slag and exceptional mechanical properties even at low temperatures	Especially suitable for welding components of different material or as buffer layer for hardfacing applications.	
Composition chimique type du fil/du métal déposé hors dilution			
C	Si	Mn	
0.07 %	0.55 %	1.4 %	
Propriétés mécaniques - Condition 1			
Condition	Limite d'élasticité Re	Contrainte à la rupture Rm	Allongement A (L0=5d0)
u	500 ($\geq$ 460) MPa	610 (550 - 660) MPa	28 ($\geq$ 20) %
Température 1	Résilience 1 ISO-V KV	Température 2	Résilience 2 ISO-V KV
-60 °C	80 J	-40 °C	100 ($\geq$ 47) J
Température 3	Résilience 3 ISO-V KV	Remarques	
20 °C	160 ($\geq$ 47) J	u: untreated, as welded - shielding gas M21; u1: untreated, as welded - shielding gas C1;	

Propriétés mécaniques - Condition 2			
Condition	Limite d'élasticité Re	Contrainte à la rupture Rm	Allongement A (L0=5d0)
u1	430 ($\geq$ 420) MPa	510 (500 - 640) MPa	29 ($\geq$ 20) %
Température 1	Température 2	Résilience 2 ISO-V KV	Température 3
-60 °C	-40 °C	80 ($\geq$ 47) J	20 °C
Résilience 3 ISO-V KV	Remarques		
140 J	u: untreated, as welded - shielding gas M21; u1: untreated, as welded - shielding gas C1;		
Agréments			
ABS	BV	CE	DB
X	X	X	X
DNV-GL	LR	RINA	TÜV
X	X	X	X
Details welding consumables			
ABS	BV	CE	CLASS AWS
4Y H5	SA4YM HHH	X	E71T-5M JH4
CLASS EN ISO	DB	DNV-GL	LR
T 46 4 B M21 3 H5	X	IV YMS(H5)	DX-BF-4YS-H5-NA
NORM AWS	NORM EN ISO	RINA	TÜV
AWS A5.20 / SFA-5.20	EN ISO 17632-A	4Y S H5	X