

E71T-1 Carbon steel flux-cored welding wire 碳钢药芯焊丝

Standard: AWS A5.20 E71T-1 JIS Z3313 YFW-C50DR GB/T 10045 E501T-1

Description: E71T-1 is a titanium type and Co₂ gas shielded flux cored welding wire, It provides excellent performance in welding: stable arc, small spatters, neat weld metal and slag easy to remove. The wire is good for all position welding.

Chemical Composition of Weld Metal(%)

C	Mn	Si	S	P
≤0.10	≤1.75	≤0.75	≤0.03	≤0.03

Typical Mechanical Properties of Weld Metal

Tensile Strength Mpa	Yield Strength Mpa	Elongation %	Impact Value(J)		Shielding gas
			0°C	-20°C	
≥480	≥400	≥22	≥47	≥27	CO ₂

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Model Name	Standard	Chemical composition	Mechanical Properties	Shielding Gas
UN-J50MX	GB/T E500T1 AWS E70T-1 JIS YFW-C50DM	C 0.05 Si 0.50 Mn 1.41 S 0.010 P 0.015	δ b ≥590MPa δ s ≥510MPa δ 5 ≥29% Ak _v (J) ≥140/100(0°C/-20°C)	CO ₂
UN-J501Ni	GB/T E501T1 AWS E71T-9 JIS YFW-C504R	C 0.05 Si 0.40 Mn 1.28 S 0.009 P 0.013 other Ni:0.41	δ b ≥580MPa δ s ≥480MPa δ 5 ≥31% Ak _v (J) ≥140/120(0°C/-20°C)	CO ₂
UN-J601	GB/T E601T1 AWS E91T1Ni	C 0.04 Si 0.45 Mn 1.40 S 0.011 P 0.011	δ b ≥640MPa δ s ≥570MPa δ 5 ≥25% Ak _v (J) ≥60(-30°C)	CO ₂
UN-J507	GB/T E500T5 AWS E70T-5	C 0.06 Si 0.46 Mn 1.45 S 0.010 P 0.010	δ b ≥560MPa δ s ≥480MPa δ 5 ≥28% Ak _v (J) ≥150/110	CO ₂ OR 80%Ar+20%CO ₂
UN-J607 /CrNiMo	GB/T E600T5-K2 AWS E90T5-k2	C 0.05 P 0.015 Si 0.42 Cr 0.015 Mn 1.36 Ni 1.52 S 0.016 Mo 0.33	δ b ≥740MPa δ s ≥580MPa δ 5 ≥21% Ak _v (J) ≥53(-30°C)	CO ₂ OR 80%Ar+20%CO ₂
UN-J707 /CrNiMo	GB/T E700T5-K3 AWS E100T5-k2	C 0.48 Cr 0.6 Si 0.32 Ni 1.65 Mn 1.25 Mo 0.52 S 0.010 P 0.015	δ b ≥797MPa δ s ≥625MPa δ 5 ≥18% Ak _v (J) ≥49(-30°C)	CO ₂ OR 80%Ar+20%CO ₂