

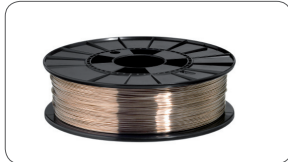


Welding Wires

IIC AG -Welding Wires
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DATASHEET



SOLID WELDING WIRE

Our gas shielding welding wire is recommended for a wide variety of postional MIG welding for mild and alloy steels.It is typically used in general fabrication, maintenance,bridge and structural applications.ZJW gas shielding wire provide low spatter and excellent performance with consistent copper coating ensuring smooth feeding.

TY-506 (ER70S-6)

Classification	Chemical composition (average)		Mechanical Properties Of Deposited metal	diameter mm	Package
	C%	0.07	≥480	0.60	0.6KG
GB T8100 ER50-6	Mn%	1.40	Rm N/mm ²	0.80	1KG
EN 440 G3Si1	Si%	0.80	Rs N/mm ²	0.90	5KG
AWS A 5.18	P%	<0.020	A%5d	1.00	15KG
ER70S-6	S%	<0.020	kV (J)-30°C	1.20	20KG
				1.40	100KG
				1.60	250KG
			≥27		

Shielding gas EN 439 C1 (CO₂) and mixtures M21 - M33.
Approvals: CE,TÜV, DB,ABS, CCS,LR,

TY49-1 (ER49-1)

Classification	Chemical composition (average)		Mechanical Properties Of Deposited metal	diameter mm	Package
GB T8100 ER49-1	C%	0.08	≥500	0.80	0.6KG
EN 440	Mn%	1.80	Rm N/mm ²	0.90	1KG
G4Si1	Si%	0.85	Rs N/mm ²	1.00	5KG
AWS A 5.18	P%	<0.020	A%5d	1.20	15KG
ER70S-6	S%	<0.020	kV (J)-30°C	1.40	20KG
			≥22	1.60	100KG
					250KG

Shielding gas EN 439 C1 (CO₂) and mixtures M21 - M33.
Approvals: CE,TÜV, DB.



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TY70S-G(ER70S-G)

Classification	Chemical composition (average)		Mechanical Properties Of Deposited metal		diameter mm	Package
	C%	0.08		≥560		
	Mn%	1.45				
AWS A 5.28	Si%	0.80	Rm N/mm ²	≥440	0.80	5KG
ER70S-G	P%	<0.020	Rs N/mm ²		1.00	15KG
	S%	<0.020	A%5d	≥25	1.20	20KG
	Cu%	0.15	kV (J)-30°C			
	Cr%	0.30				
	Ti%	0.15		≥75		

Shielding gas EN 439 C1 (CO2) and mixtures M21 - M33.

TY80S-G(ER80S-G)

Classification	Chemical composition (average)		Mechanical Properties Of Deposited metal		diameter mm	Package
	C%	0.08		≥560		
	Mn%	1.70				
AWS A 5.28	Si%	0.60	Rm N/mm ²	≥510	0.80	5KG
ER80S-G	P%	<0.020	Rs N/mm ²		1.00	15KG
	S%	<0.020	A%5d	≥27	1.20	20KG
	Cu%	0.15	kV (J)-30°C			
	Cr%	0.30				
	Ti%	0.18		≥90		

Shielding gas EN 439 C1 (CO2) and mixtures M21 - M33.

TY100S-G(ER100S-G)

Classification	Chemical composition (average)		Mechanical Properties Of Deposited metal		diameter mm	Package
	C%	0.08		≥560		
	Mn%	1.72				
AWS A 5.28	Si%	0.62	Rm N/mm ²	≥270	0.80	5KG
ER100S-G	P%	<0.020	Rs N/mm ²		1.00	15KG
	S%	<0.020	A%5d	≥21	1.20	20KG
	NI%	1.14	kV (J)-30°C			
	Mo%	0.42		≥70		
	Ti%	0.10				

Shielding gas EN 439 C1 (CO2) and mixtures M21 - M33.