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Flux-Cored Welding Wire



AWS Classification	▶CHOOSE: Wire Dia.	Welded Tensile Strength	Welded Yield Strength	▶CHOOSE: Weight	Series	For Joining	For Welding Position	Min. Req. Tensile Strength	Min. Req. Yield Strength	Brand	Item No.	
Carbon Steel Flux-Cored Wire for Thin-Gauge Sheet Metal Self-Shielded Shielding Type	E71T-11	0.03 in, 0.035 in, 0.045 in, 0.0625 in	90 ksi	60 to 69 ksi	10 lb, 33 lb	Coreshield 11	Carbon Steel	All Position	70 ksi	58 ksi	Esab	K4619
Low-Alloy Steel Flux-Cored Wire for Thin-Gauge Sheet Metal Self-Shielded Shielding Type	E71TG-G	0.045 in, 0.068 in, 0.0781 in	80 to 89 ksi	70 to 79 ksi	10 lb, 25 lb, 8 lb, 56 lb	Innershield NR-212	—	All Position	70 ksi	58 ksi	Lincoln	K4630
Low-Alloy Steel Seismic-Certific Flux-Cored Wire for Structural Steel Fabrication Gas-Shielded Shielding Type	E81T1-Ni1C	0.045 in, 0.052 in, 0.0625 in	90 to 99 ksi	80 to 89 ksi	33 lb, 50 lb	UltraCore 81Ni1C-H	—	All Position	80 ksi	68 ksi	Lincoln	K4628
Stainless Steel E308 Flux-Cored Welding Wire Gas-Shielded Shielding Type	E308LT1-1/4	0.045 in, 0.0625 in	83 ksi	56 ksi to 57 ksi	10 lb, 33 lb	UltraCore 308L P	Stainless Steel	All Position	75 ksi	—	Lincoln	K4634
Stainless Steel E316 Flux-Cored Welding Wire Gas-Shielded Shielding Type	E316LT1-1/4	0.035 in, 0.045 in	70 ksi	Not Specified	11 lb, 33 lb	E316LT1-1/4	Stainless Steel	All Position	70 ksi	Not Rated	Westward	K4640

TIG Welding Rods

• 36" Overall length



▶CHOOSE: Rod Dia.	Welding Current Designation	Welded Tensile Strength	Welded Yield Strength	▶CHOOSE: Weight	For Joining	Tensile Strength (Minimum Required)	Yield Strength (Minimum Required)	Brand	Item No.
Aluminum									
ER4043									
1/16 in, 3/32 in, 1/8 in	AC	29 ksi	—	1 lb, 10 lb	Aluminum	29 ksi	Not Rated	Westward	K4455
3/32 in, 1/8 in	AC	29 ksi	—	10 lb					
ER5356									
1/16 in, 3/32 in, 1/8 in	AC	38 ksi	—	1 lb, 10 lb	Aluminum	38 ksi	Not Rated	Westward	K4458
1/8 in, 3/32 in, 1/8 in	DCEP	240 to 296 N/mm2	110 to 120 N/mm2	10 lb					
Carbon Steel									
ER70S-6									
0.035 in, 0.045 in, 1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	70 ksi	58 ksi	1 lb, 10 lb	Carbon Steel	70 ksi	58 ksi	Westward	K4462
1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	—	—	20 lb, 30 lb, 50 lb					
ER70S-2									
0.035 in, 0.045 in, 1/16 in, 3/32 in, 1/8 in	DCEN	70 ksi	58 ksi	1 lb, 10 lb	Carbon Steel	70 ksi	58 ksi	Westward	K4460
1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	77 ksi	85 to 96 ksi	20 lb, 30 lb, 50 lb					
Cast Iron									
ERNi-C1									
1/16 in, 3/32 in, 1/8 in	DCEN	66 ksi	36 ksi	1 lb	Cast Iron to Carbon Steel, Cast Iron, Cast Iron to Stainless Steel	66 ksi	36 ksi	Westward	K4464
Not Classified									
1/16 in, 3/32 in, 1/8 in	DCEN	89 ksi	62 ksi	1 lb, 10 lb	Cast Iron, Cast Iron to Carbon Steel	89 ksi	62 ksi	Westward	K4465
Copper									
ERCu									
1/16 in, 3/32 in, 1/8 in	AC, DCEN	8 ksi	29 ksi	1 lb, 10 lb	Copper	8 ksi	29 ksi	Westward	K4466
Low-Alloy Steel									
ER80S-B2									
1/16 in, 3/32 in, 1/8 in	DCEN	80 ksi	68 ksi	1 lb, 10 lb	Low-Alloy Steel	80 ksi	68 ksi	Westward	K4471
3/32 in, 1/8 in	DCEN	98 to 113 ksi	82 ksi	30 lb					
ER80S-D2, ER90S-D2									
1/16 in, 3/32 in, 1/8 in	DCEN	105 to 120 ksi	94 ksi	30 lb	Low-Alloy Steel	80 ksi	68 ksi	Lincoln	K4482
ER80S-D2/ER90S-D2; EA3K									
3/32 in, 1/8 in	DCEN	110 ksi	95 ksi	10 lb	Low-Alloy Steel	80 ksi	68 ksi	Esab	K4477
ER90S-B3									
1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	94 ksi	79 ksi	10 lb	Low-Alloy Steel	90 ksi	78 ksi	Esab	K4479
3/32 in, 1/8 in	DCEN	90 ksi	78 ksi	1 lb, 10 lb					
ER100S-1									
3/32 in, 1/8 in	DCEN	100 ksi	88 ksi	10 lb	Low-Alloy Steel	100 ksi	88 ksi	Westward	K4469
Magnesium									
ERAZ61A									
1/16 in, 3/32 in, 1/8 in	AC, DCEN	44 ksi	30 ksi	1 lb	Magnesium	44 ksi	30 ksi	Westward	K4483
ERAZ92A									
1/16 in, 3/32 in, 1/8 in	AC, DCEN	25 ksi	14 ksi	1 lb	Magnesium	25 ksi	14 ksi	Westward	K4484
Mild Steel									
ER70S-6; EH11K									
1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	86 ksi	72 ksi	10 lb	Carbon Steel	70 ksi	58 ksi	Esab	K4487
ER70S-2 H4									
1/16 in, 3/32 in, 1/8 in	DCEN	82 ksi	70 ksi	10 lb	Carbon Steel	70 ksi	58 ksi	Esab	K4485
Nickel									
ERNiCr-3									
1/16 in, 3/32 in, 1/8 in	DCEN	80 ksi	52 ksi	10 lb	Nickel-Chromium to Nickel-Chromium	80 ksi	52 ksi	Westward	K4488
Stainless Steel									
ER308, ER308H									
1/4 in, 3/32 in, 1/8 in	—	—	—	30 lb	Stainless Steel	—	—	Lincoln	K4499
ER308, ER308L									
1/16 in, 3/32 in, 1/8 in	DCEN	88 ksi	59 ksi	1 lb, 10 lb	Stainless Steel	88 ksi	59 ksi	Hobart	K4496
1/16 in, 3/32 in, 1/8 in, 3/32 in	DCEN	—	—	10 lb, 30 lb					
ER308SI, ER308LSI									
1/16 in, 3/32 in, 1/8 in	DCEN	—	—	30 lb	Stainless Steel	85 ksi	55 ksi	Lincoln	K4498
ER310									
1/16 in, 3/32 in, 1/8 in	DCEN	—	—	30 lb	Stainless Steel	80 ksi	—	Lincoln	K4505
ER312									
0.035 in, 0.045 in, 1/16 in, 3/32 in, 1/8 in	DCEN	109 ksi	78 ksi	10 lb, 1 lb	Stainless Steel to Carbon Steel	109 ksi	78 ksi	Westward	K4506
ER316, ER316L									
0.035 in, 0.045 in, 1/16 in, 3/32 in, 1/8 in, 3/32 in, 1/8 in, 3/32 in, 1/8 in	DCEN	86 ksi	58 ksi	1 lb, 10 lb	Stainless Steel	86 ksi	58 ksi	Westward	K4508
3/32 in, 1/8 in, 3/32 in, 1/8 in	DCEN	86 ksi	58 ksi	10 lb					
ER347									
1/16 in, 3/32 in, 1/8 in	DCEN	—	—	30 lb	Stainless Steel	86 ksi	57 ksi	Lincoln	K4515
ER2209									
3/32 in, 1/8 in	DCEN	—	—	30 lb	Stainless Steel	108 ksi	93 ksi	Lincoln	K4493
Tool Steel									
Not Classified									
1/16 in, 3/32 in, 1/8 in	DCEN	Not Rated	—	1 lb, 5 lb	—	Not Rated	Not Rated	Westward	K4516
1/16 in, 3/32 in, 1/8 in	DCEN	Not Rated	—	1 lb, 5 lb					
1/16 in, 3/32 in, 1/8 in	DCEN	Not Rated	—	1 lb, 5 lb					