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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.
<b>Carbon Steel Flux-Cored Wire for Thin-Gauge Sheet Metal Self-Shielded Shielding Type</b>											
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
<b>Low-Alloy Steel Flux-Cored Wire for Thin-Gauge Sheet Metal Self-Shielded Shielding Type</b>											
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, 14 lb	Innershield NR-212	—	All Position	70 ksi	58 ksi	Lincoln	K4630
<b>Low-Alloy Steel Seismic-Certific Flux-Cored Wire for Structural Steel Fabrication Gas-Shielded Shielding Type</b>											
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
<b>Stainless Steel E308 Flux-Cored Welding Wire Gas-Shielded Shielding Type</b>											
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
<b>Stainless Steel E316 Flux-Cored Welding Wire Gas-Shielded Shielding Type</b>											
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.
<b>Aluminum</b>									
<b>ER4043</b>									
1/16", 3/32", 1/8"	AC	29 ksi	—	1 lb, 10 lb	Aluminum	29 ksi	Not Rated	Westward	K4455
3/32", 1/8"	AC	29 ksi	—	10 lb				Hobart	K4456
<b>ER5356</b>									
1/16", 3/32", 1/8"	AC	38 ksi	—	1 lb, 10 lb	Aluminum	38 ksi	Not Rated	Westward	K4458
1/16", 3/32", 1/8"	DCEP	240 to 296 N/mm2	110 to 120 N/mm2	10 lb				Lincoln	K4459
<b>Carbon Steel</b>									
<b>ER70S-6</b>									
0.035", 0.045", 1/16", 3/32", 1/8", 5/32"	DCEN	70 ksi	58 ksi	1 lb, 10 lb	Carbon Steel	70 ksi	58 ksi	Westward	K4462
1/16", 3/32", 1/8", 5/32"	DCEN	—	—	20 lb, 30 lb, 50 lb				Lincoln	K4463
<b>ER70S-2</b>									
0.035", 0.045", 1/16", 3/32", 1/8"	DCEN	70 ksi	58 ksi	1 lb, 10 lb	Carbon Steel	70 ksi	58 ksi	Westward	K4460
1/16", 3/32", 1/8", 5/32"	DCEN	77 ksi	85 to 96 ksi	20 lb, 30 lb, 50 lb				Lincoln	K4461
<b>Cast Iron</b>									
<b>ERNi-CI</b>									
1/16", 3/32", 1/8"	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
<b>Not Classified</b>									
1/16", 3/32", 1/8"	DCEN	89 ksi	62 ksi	1 lb, 10 lb	Cast Iron, Cast Iron to Carbon Steel	89 ksi	62 ksi	Westward	K4465
<b>Copper</b>									
<b>ERCu</b>									
1/16", 3/32", 1/8"	AC, DCEN	8 ksi	29 ksi	1 lb, 10 lb	Copper	8 ksi	29 ksi	Westward	K4466
<b>Low-Alloy Steel</b>									
<b>ER80S-B2</b>									
1/16", 3/32", 1/8"	DCEN	80 ksi	68 ksi	1 lb, 10 lb	Low-Alloy Steel	80 ksi	68 ksi	Westward	K4471
3/32", 1/8"	DCEN	98 to 113 ksi	82 ksi	30 lb				Lincoln	K4473
<b>ER80S-D2, ER90S-D2</b>									
1/16", 3/32", 1/8"	DCEN	105 to 120 ksi	94 ksi	30 lb	Low-Alloy Steel	80 ksi	68 ksi	Lincoln	K4482
<b>ER80S-D2/ER90S-D2; EA3K</b>									
3/32", 1/8"	DCEN	110 ksi	95 ksi	10 lb	Low-Alloy Steel	80 ksi	68 ksi	Esab	K4477
<b>ER90S-B3</b>									
1/16", 3/32", 1/8", 5/32"	DCEN	94 ksi	79 ksi	10 lb	Low-Alloy Steel	90 ksi	78 ksi	Esab	K4479
3/32", 1/8"	DCEN	90 ksi	78 ksi	1 lb, 10 lb				Westward	K4480
<b>ER100S-1</b>									
3/32", 1/8"	DCEN	100 ksi	88 ksi	10 lb	Low-Alloy Steel	100 ksi	88 ksi	Westward	K4469
<b>Magnesium</b>									
<b>ERAZ61A</b>									
1/16", 3/32", 1/8"	AC, DCEN	44 ksi	30 ksi	1 lb	Magnesium	44 ksi	30 ksi	Westward	K4483
<b>ERAZ92A</b>									
1/16", 3/32", 1/8"	AC, DCEN	25 ksi	14 ksi	1 lb	Magnesium	25 ksi	14 ksi	Westward	K4484
<b>Mild Steel</b>									
<b>ER70S-6; EH11K</b>									
1/16", 3/32", 1/8", 5/32"	DCEN	86 ksi	72 ksi	10 lb	Carbon Steel	70 ksi	58 ksi	Esab	K4487
<b>ER70S-2 H4</b>									
1/16", 3/32", 1/8"	DCEN	82 ksi	70 ksi	10 lb	Carbon Steel	70 ksi	58 ksi	Esab	K4485
<b>Nickel</b>									
<b>ERNiCr-3</b>									
1/16", 3/32", 1/8"	DCEN	80 ksi	52 ksi	10 lb	Nickel-Chromium to Nickel-Chromium	80 ksi	52 ksi	Westward	K4488
<b>Stainless Steel</b>									
<b>ER308, ER308H</b>									
1/16", 3/32", 1/8"	—	—	—	30 lb	Stainless Steel	—	—	Lincoln	K4499
<b>ER308, ER308L</b>									
1/16", 3/32", 1/8"	DCEN	88 ksi	59 ksi	1 lb, 10 lb	Stainless Steel	88 ksi	59 ksi	Hobart	K4496
3/32", 1/8", 5/32"	DCEN	—	—	10 lb, 30 lb				Lincoln	K4497
<b>ER308Si, ER308LSi</b>									
1/16", 3/32", 1/8"	DCEN	—	—	30 lb	Stainless Steel	85 ksi	55 ksi	Lincoln	K4498
<b>ER310</b>									
1/16", 3/32", 1/8"	DCEN	—	—	30 lb	Stainless Steel	80 ksi	—	Lincoln	K4505
1/8"	DCEN	—	—	10 lb				Westward	K4504
<b>ER312</b>									
0.035", 0.045", 1/16", 3/32", 1/8"	DCEN	109 ksi	78 ksi	10 lb, 1 lb	Stainless Steel to Carbon Steel	109 ksi	78 ksi	Westward	K4506
<b>ER316, ER316L</b>									
0.035", 0.045", 1/16", 3/32", 1/8", 5/32", 3/16"	DCEN	86 ksi	58 ksi	1 lb, 10 lb	Stainless Steel	86 ksi	58 ksi	Westward	K4508
3/32", 1/8"	DCEN	86 ksi	58 ksi	10 lb				Hobart	K4511
<b>ER347</b>									
1/16", 3/32", 1/8"	DCEN	—	—	30 lb	Stainless Steel	86 ksi	57 ksi	Lincoln	K4515
<b>ER2209</b>									
3/32", 1/8"	DCEN	—	—	30 lb	Stainless Steel	108 ksi	93 ksi	Lincoln	K4493
<b>Tool Steel</b>									
<b>Not Classified</b>									
1/16", 3/32", 1/8"	DCEN	Not Rated	—	1 lb, 5 lb	—	Not Rated	Not Rated	Westward	K4516
1/16", 3/32", 1/8"	DCEN	Not Rated	—	1 lb, 5 lb				Westward	K4517
1/16", 3/32", 1/8"	DCEN	Not Rated	—	1 lb, 5 lb				Westward	K4518