

BLUESHIELDTM Flux-Cored Arc Welding (FCAW)



Air Liquide's North American roots in FCAW wire manufacturing date back to over 40 years ago. Over this time, we have continually strived to achieve the highest standards in product quality, consistency and value. This is evident from the extensive product line and packaging options we offer today.

With **BLUESHIELD** flux-cored wires, you have a variety of products to choose from, such as low-fume, hydrogen-control, low-temperature service and high-strength wires designed to meet the most demanding industrial welding application on the market.

BLUESHIELD: *where the world and welding meet.*



Flux-Cored Arc Welding (FCAW)

BLUESHIELD Carbon Steel Flux-Cored Wires

Blueshield carbon steel flux-cored wires are second to none, offering excellent operator appeal, good resistance to porosity and gas marking and some of the highest deposition efficiencies available when it comes to flux-cored welding.

NAME	AWS CLASS*	DIAMETER		PACKAGING	
		mm	in	kg	lb
LA T-2	E70T-2-H16	2.4	3/32	27.2	60
LA T-2 PLUS	E70T-2-H16	1.6 to 2.4	1/16 or 3/32	27.2	60
LA T-5	E70T-5	2.4	3/32	27.2	60
LA T-9	E70T-9-H8 / E70T-9M-H8 E70T-1-H8 / E70T-1M-H8	1.2 to 2.4	0.045 to 3/32	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-9 PLUS	E70T-9 / E70T-9M E70T-1 / E70T-1M	1.2 to 2.4	0.045 to 3/32	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-9 LF	E70T-H16 / E70T-1-H16	1.2 to 2.4	0.045 to 3/32	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-9 LFM	E70T-9-H16 / E70T-9M-H16 E70T-1-H16 / E70T-1M-H16	1.2 to 2.4	0.045 to 3/32	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-91	E71T-9-H16 / E71T-9M-H16 E71T-1-H16 / E71T-1M-H16	1.2 to 1.6	0.045 to 1/16	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-91 PLUS	E71T-9-H16 / E71T-9M-H16 E71T-1-H16 / E71T-1M-H16	1.2 to 1.6	0.045 to 1/16	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-91 LF	E71T-9-H8 / E71T-9M-H8 E71T-1-H8 / E71T-1M-H8	1.2 to 1.6	0.045 to 1/16	15 / 27.2 / 280 / 226.8	33 / 60 / 616 / 500
LA T-91 C40	E71T-9MJ-H16 / E71T-1MJ-H16	1.2 to 1.6	0.045 to 1/16	15 / 27.2	33 / 60
LA 91-T12M	E71T-12MJ-H4 / E71T-1MJ-H4 E71T-9MJ-H4	1.2 to 1.6	0.045 to 1/16	16	35

*Some products are CWB/CWA approved. Contact your local representative for more information.



Flux-Cored Arc Welding (FCAW)

BLUESHIELD Low-Alloy Steel Flux-Cored Wires

With over a dozen low-alloy steel wires to choose from, offering exceptional alloy control, you can look forward to consistent quality weld deposits with exceptional operator appeal.

NAME	AWS CLASS*	DIAMETER		PACKAGING	
		mm	in	kg	lb
LA 81 T1-W2	E81T1-W2-H8 / E81T1-W2M-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA T-91 C60 Ni1	E81T1-Ni1-H8 / E81T1-Ni1M-H8	1.2 or 1.6	0.045 to 1/16	15 / 27.2	33 / 60
LA 81 T1-Ni2	E81T1-Ni2-H8 / E81T1-Ni2M-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 91 T1-Ni2	E91T1-Ni2-H8 / E91T1-Ni2M-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 81 T1-A1	E81T1-A1-H16	1.2 or 1.6	0.045 to 1/16	15	33
LA 80 T1-B2	E80T1-B2-H16	1.6 or 2.4	1/16 or 3/32	27.2	60
LA 81 T1-B2	E81T1-B2-H4	1.2 or 1.6	0.045 to 1/16	15	33
LA 80 T5-B2	E80T5-B2	1.2 or 1.6	0.045 to 1/16	15	33
LA 90 T1-B3	E90T1-B3-H16	1.6 or 2.4	1/16 or 3/32	15	33
LA 91 T1-B3	E91T1-B3-H16	1.2 or 1.6	0.045 to 1/16	15	33
LA 81 T1-K2M	E81T1-K2M-H16	1.2 or 1.6	0.045 to 1/16	15	33
LA T-91 K2	E91T1-K2-H8 / E91T1-K2M-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 90 T5-K2	E90T5-K2	1.2 or 1.6	0.045 to 1/16	15	33
LA 100 T1-K3	E100T1-K3-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 111 T1-K3	E111T1-K3-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 111 T1-K3M	E111T1-K3M-H8	1.2 or 1.6	0.045 to 1/16	15	33
LA 115 T5-K3	E110T5-K3	1.2 or 2.4	0.045 to 3/32	15	33
LA 120 T5-K4	E120T5-K4	1.2 or 1.6	0.045 to 1/16	15	33

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Flux-Cored Arc Welding (FCAW)

BLUESHIELD Carbon Steel Flux-Cored Wires: Self-Shielded

With the advanced technology of a self-shielding cored wire, there is no need for an external shielding gas. This provides added versatility when welding outdoors. Our unique formulations and manufacturing procedures ensure a consistent quality product with superior arc characteristics, spool after spool.

NAME	AWS CLASS*	DIAMETER		PACKAGING	
		mm	in	kg	lb
LA T-3	E70T-3-H16	2.4	3/32	22.7	50
LA UNISHIELD™	E70T-4-H16	2.4 or 3.0	3/32 or 0.120	25 / 22.7	55 / 50
LA T-11	E71T-11-H16	0.9 to 1.6	0.035 to 1/16	4.5 / 11.3	10 / 25
LA T-14	E71T-14-H16	0.8 to 1.6	0.030 to 0.062	0.9 / 4.5 / 11.3 / 226.8	2 / 10 / 25 / 500

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