



BRAIDED CANDLE WICK

Cotton Core Wick

Atkins & Pearce's Cotton Core Wick series produces a robust flame and provides increased rigidity in the molten wax pool. These wicks are constructed of 100% natural fibers. This series is offered in spools of raw braided Paper Core wick and in pre-waxed, cut, and tabbed assemblies. In effort to support user testing of various sizes within our Cotton Core wick series, Atkins & Pearce offers Cotton Core Sample Kits for purchase online; sample kits include a variety of 10 sizes of pre-waxed, cut, and tabbed assemblies.



Wick Suggestions for Cotton Core Wick

	Extra Small	Small	Medium	Large	Extra Large
Containers	less than 1"	1" – 2"	2" – 3"	3" – 4"	4" and greater
Votives	n/a	1" – 1-1/2"	1-1/2" – 2-1/2"	n/a	n/a
Pillars	less than 1"	1" – 2"	2" – 3"	3" – 4"	4" and greater
Tapers	3/16" – 1/2"	1/2" – 3/4"	3/4" – 7/8"	n/a	n/a

	Wax Pool Diameter (cm in)	Containers	Pillars	Votives	Tapers
28-24 SP-T C	3.66 1.44	Extra Small	Not Suggested	Not Suggested	Not Suggested
28-24 SP-T-5	3.67 1.44	Extra Small	Not Suggested	Not Suggested	Not Suggested
10-26 C *	3.73 1.47	Small	Not Suggested	Not Suggested	Not Suggested
28-24 SP C	3.79 1.49	Small	Not Suggested	Not Suggested	Not Suggested
28-24 C *	3.79 1.49	Small	Small	Small	Not Suggested
10-30 C	3.85 1.51	Small	Small	Small	Not Suggested
30-24 C *	3.85 1.52	Small	Small	Small	Not Suggested
10-38 C	3.91 1.54	Small	Small	Small	Not Suggested
32-24 C	3.91 1.54	Small	Small	Small	Not Suggested
34-24 C	3.97 1.56	Small	Small	Small	Not Suggested
36-24 C	4.02 1.58	Small	Small	Small	Not Suggested
36-28 C *	4.05 1.59	Medium	Small	Small	Not Suggested
36-28 SP C	4.06 1.60	Medium	Small	Small	Not Suggested
34-40 C	4.16 1.64	Medium	Medium	Medium	Not Suggested
34-34 SP C	4.17 1.64	Medium	Medium	Medium	Not Suggested
34-40 SP C *	4.17 1.64	Medium	Medium	Medium	Not Suggested
36-24-24 C *	4.19 1.65	Medium	Medium	Medium	Not Suggested
44-20-18 C	4.24 1.67	Medium	Medium	Medium	Not Suggested
44-24-18 C *	4.33 1.70	Medium	Medium	Medium	Not Suggested
44-28-18 C *	4.41 1.74	Large	Large	Not Suggested	Not Suggested
44-32-18 C	4.50 1.77	Large	Large	Not Suggested	Not Suggested
51-32-18 C *	4.50 1.77	Large	Large	Not Suggested	Not Suggested
44-36-18 C	4.57 1.80	Large	Large	Not Suggested	Not Suggested
51-36-18 C *	4.58 1.80	Large	Large	Not Suggested	Not Suggested
51-40-18 C	4.66 1.83	Large	Large	Not Suggested	Not Suggested
60-40-18 C	4.74 1.87	Large	Large	Not Suggested	Not Suggested
60-44-18 C	4.93 1.94	Large	Large	Not Suggested	Not Suggested
62-52-18 C	5.12 2.02	Large	Large	Not Suggested	Not Suggested

*Select size offered in our Cotton Core Wick Sample Kit available for online purchase.



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Rate Chart for Cotton Core Wick

	Flame Height (cm in)	Rate of Consumption (g/hr oz/hr)	Wax Pool Diameter (cm in)	Yield (yds. / lb.)	Total # of Ends
28-24 SP-T C	1.54 0.61	2.33 0.08	3.66 1.44	1,258	15
28-24 SP-T-5	1.55 0.61	2.34 0.08	3.67 1.44	1,152	17
10-26 C *	1.71 0.67	2.58 0.09	3.73 1.47	1,006	11
28-24 SP C	1.87 0.73	2.79 0.10	3.79 1.49	1,115	15
28-24 C *	2.01 0.79	2.81 0.10	3.79 1.49	964	17
10-30 C	2.02 0.79	3.02 0.11	3.85 1.52	1,030	11
30-24 C *	2.16 0.85	3.03 0.11	3.85 1.52	990	17
10-38 C	2.17 0.85	3.24 0.11	3.91 1.54	1,091	11
32-24 C	2.32 0.91	3.25 0.11	3.91 1.54	994	17
34-24 C	2.47 0.97	3.47 0.12	3.97 1.56	1,012	17
36-24 C	2.53 1.00	3.69 0.13	4.02 1.58	1,038	17
36-28 C *	2.55 1.00	3.78 0.13	4.05 1.59	987	27
36-28 SP C	2.81 1.10	3.81 0.13	4.06 1.60	827	31
34-40 C	2.84 1.12	4.18 0.15	4.16 1.64	738	35
34-34 SP C	2.85 1.12	4.23 0.15	4.17 1.64	689	37
34-40 SP C *	2.89 1.14	4.24 0.15	4.17 1.64	589	43
36-24-24 C *	3.03 1.19	4.30 0.15	4.19 1.65	598	17
44-20-18 C	3.25 1.28	4.50 0.16	4.24 1.67	576	23
44-24-18 C *	3.46 1.36	4.82 0.17	4.33 1.70	469	27
44-28-18 C *	3.68 1.45	5.14 0.18	4.41 1.74	389	31
44-32-18 C	3.68 1.45	5.46 0.19	4.50 1.77	330	35
51-32-18 C *	3.88 1.53	5.76 0.20	4.50 1.77	331	35
44-36-18 C	3.90 1.54	5.78 0.20	4.57 1.80	358	35
51-36-18 C *	4.10 1.62	5.78 0.20	4.58 1.80	299	39
51-40-18 C	4.32 1.70	6.40 0.23	4.66 1.83	270	43
60-40-18 C	4.58 1.80	6.50 0.23	4.74 1.87	274	43
60-44-18 C	4.80 1.89	7.10 0.25	4.93 1.94	267	47
62-52-18 C	5.29 2.08	7.82 0.28	5.12 2.02	225	55

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CONTACT US!

Our manufacturing facility and office is centrally located in northern Kentucky.



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LAST REVISED: December 2025 | The rate chart is provided by Atkins & Pearce merely as an additional tool to assist the customer in making an appropriate wick selection. This is only provided to serve as suggestions of wicks that may be appropriate based upon certain criteria and should not be relied upon as determinative or as a substitute for customer testing. Many variables exist in candle wax types, additives, and formulations for individual candle systems. Final wick selection should always be confirmed through the customer's own testing process to determine if a particular wick is the correct choice for a particular candle system. Atkins & Pearce is not responsible for selections made by the customer using any of the reference material provided. For optimal burn performance in specific candle systems, we strongly recommend that customers conduct exhaustive burn tests in their own burn lab and consider retaining samples for their future internal reference. The importance of candle testing and data validation cannot be overstated. As the customer, you and your company are responsible for appropriately testing all Atkins & Pearce wicks in your candle formulations and for making the final wick selection based upon meeting appropriate candle safety and burn standards. Atkins & Pearce makes no representation or warranty, expressed or implied, at law or in equity, in respect of the information provided, including, without limitation, with respect to merchantability or fitness for any particular purpose, which representations or warranties are hereby expressly disclaimed.