

Premier Wick Size Guide

For purposes of this test we used a soy/paraffin blend with a 125F melt point.
The wicks may not fall in order based on mushroom size and other factors.
This chart is for reference only. Testing is still required to make a final determination.

Pool Dia. Inches	Premier 700 Series	Pure 500 Series	Stabilo (CD)	Stabilo KST (CDN)	LX	ECO	HTP
1.90	700					0.2	
2.00	705				8	0.5	
2.10	710					0.75	
2.20		508		2 KST			31
2.30	715	500		3 KST	10		
2.40	720						41
2.50	725	515	2 & 3	4 KST			52
2.60	730 & 735	505	4		12	1	72
2.70	740		5		14	2	73
2.80	745	520	6	6 KST			62
2.90	750	510		5KST & 7 KST	16	4	83
3.00	755	533, 535 & 540	7				
3.10	765 & 770	525	8	8 KST	18 & 22		93 & 104
3.20	775 & 790		14			6	
3.30	777 & 780	555	12 & 16	10 KST		8	
3.40	785, 798 & 799				20		105
3.50		545	18	12 KST			
3.60	793 & 795	550, 565, 570		14 KST		10	
3.70	767 & 799-3	567	20	16 KST & 20 KST	24	16	
3.90	799-2 & 799-5	560 & 575	28				126
4.00	799-4	595 & 598	24			14	1212
4.10	799-7	585		18 & 24 KST	26		
4.20		590 & 593	22 & 26	26 KST & 30 KST	28	12	
4.30	799-8	599					1312
4.40	799-6			22 KST			
4.50				28 KST			

Premier wick size guide is an essential resource for candle makers and enthusiasts alike. The right wick size can make a significant difference in how a candle burns, including its overall performance and safety. In this article, we will explore what wick sizes are available, how to choose the right size for your specific candles, and the impact of wick size on the burning characteristics of your candles.

Understanding Wick Sizes

Wicks come in various sizes and types, each designed for a specific purpose depending on the candle's diameter, wax type, and fragrance load. The size of a wick is generally determined by its thickness, length, and the materials used in its construction. Here's a breakdown of the different components that define wick sizes:

Components of a Wick

1. Diameter: The thickness of the wick affects the amount of wax it draws up and the size of the flame it produces.
2. Length: The length of a wick should be suitable for the height of the candle. A wick that is too short will not reach the wax pool effectively, while one that is too long can cause excessive soot and flickering.
3. Material: Common wick materials include cotton, wood, and paper. Each material has unique

burning characteristics that influence how the candle performs.

Wick Size Recommendations

Choosing the right wick size is crucial for ensuring optimal burn performance. Below is a general guideline to help you select the appropriate wick size based on the diameter of your candle.

Common Wick Sizes by Candle Diameter

- 1.5 inches (3.8 cm): Use a wick size of 20-24 (typically a small cotton wick).
- 2 inches (5 cm): Use a wick size of 24-28 (can also use a wood wick).
- 3 inches (7.6 cm): Use a wick size of 28-32 (consider using multiple wicks for larger candles).
- 4 inches (10.2 cm): Use a wick size of 36-40 (wood wicks are often recommended for larger diameters).
- 5 inches (12.7 cm): Use a wick size of 40-44 (multiple wicks may improve performance).

These sizes can vary depending on the wax type and fragrance load, as well as the desired burn characteristics.

Factors Affecting Wick Selection

When choosing a wick size, several factors must be considered to ensure the best performance for your candles.

1. Candle Wax Type

Different types of waxes have different burning characteristics:

- Paraffin Wax: Generally requires larger wicks due to its density.
- Soy Wax: Often burns cooler and may require a slightly smaller wick.
- Beeswax: Typically burns hotter and can work well with medium-sized wicks.
- Palm Wax: Similar to soy, but may need adjustments based on the specific formulation.

2. Fragrance Load

The amount of fragrance oil added to your wax can also influence wick size. A higher fragrance load generally requires a larger wick to ensure a proper melt pool and scent throw.

3. Candle Shape and Design

The shape and design of the candle can impact how a wick performs:

- Tall and Narrow Candles: These often require a longer wick to maintain a consistent burn.
- Wide and Shallow Candles: These may need multiple wicks to create an even melt pool.

Testing Wick Sizes

Testing is a critical step in determining the best wick size for your candles. Here's a systematic approach to testing wick sizes effectively:

1. Create Sample Candles

Start by pouring small batches of candles using different wick sizes. This allows you to evaluate how each wick performs without committing to a larger batch.

2. Monitor Burn Tests

- Burn Time: Measure how long each candle burns before extinguishing.
- Melt Pool: Observe whether the melt pool reaches the edge of the candle without tunneling.
- Flame Size: Check that the flame is steady and not too large or flickering excessively.
- Soot Production: Look for any soot on the candle jar or surrounding surfaces.

3. Adjust Based on Findings

Based on your observations, adjust the wick size accordingly. If a wick is too small, it may not produce a consistent melt pool, whereas a wick that is too large can create excessive soot and a fast burn.

Common Wick Materials

Understanding the different wick materials available can help you make informed decisions based on your specific candle-making needs.

1. Cotton Wicks

Cotton wicks are the most commonly used wicks in candle making. They are versatile, easy to work with, and come in various sizes. Cotton wicks can be treated with different additives to enhance their

performance, such as wax or metal cores.

2. Wood Wicks

Wood wicks provide a unique aesthetic and produce a crackling sound when burning, reminiscent of a fireplace. They are ideal for larger candles and can offer a different scent throw compared to cotton wicks. However, they often require more precise sizing and testing.

3. Paper Wicks

Less common than cotton or wood, paper wicks can sometimes be used for specific applications. They burn faster and may not be suitable for larger candles but can work well in votives or container candles.

Conclusion

The **premier wick size guide** serves as a valuable tool for anyone involved in candle making. By understanding the factors that influence wick performance, experimenting with different sizes, and monitoring burn tests, you can create candles that burn beautifully and safely. Remember that every candle is unique, so take the time to test and find the perfect wick size for your specific project. With the right wick, you can enhance the overall quality and enjoyment of your candles, ensuring they are a delightful addition to any space.

Frequently Asked Questions

What is the importance of using the correct wick size for Premier wicks?

Using the correct wick size is crucial for achieving optimal burn performance, ensuring even wax consumption, preventing tunneling, and reducing soot production in candles made with Premier wicks.

How can I determine the right wick size for my Premier candle?

To determine the right wick size, consider the diameter of your candle container, the type of wax used, and the fragrance load. Premier wick size guides typically provide recommendations based on these factors.

What wick sizes are available in the Premier wick range?

Premier wicks come in various sizes, typically ranging from 1 to 9, with each size suited for different

candle diameters and wax types. A size guide can help match the wick to your specific candle requirements.

Can using a larger wick size improve the scent throw of my Premier candles?

Yes, a larger wick can enhance the scent throw by creating a larger melt pool, but it can also lead to faster burnout and soot if not matched correctly. It's important to balance wick size with candle design.

Where can I find a reliable Premier wick size guide?

A reliable Premier wick size guide can often be found on the manufacturer's website, in candle-making books, or through online candle-making communities and forums dedicated to DIY enthusiasts.

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