



## 10.0 mm Safety Neck Sustainers

Wicks Unlimited manufactures and supplies 10.0 mm safety neck candle sustainers with increased neck height, enabling candle manufacturers to create tabbed wicks from waxed wick on reels. Since safety neck sustainers feature an extended neck height, the candle's flame is snuffed out sooner during the combustion process. This unique feature reduces the chance of the candle's container getting hot, especially near its end of life.

Our safety neck sustainers are manufactured from .010" (0.254 mm) thick tin-coated steel that helps inhibit corrosion and are preferred by leading candle manufacturers worldwide. The overall neck height of these sustainers is 10.0 mm, with base diameters ranging from 15.0 to 20.0 mm for easy gluing. 10.0 mm sustainers are available with wick insertion hole diameters from 2.1 mm to 3.0 mm to meet your specific requirements.

Candle manufacturers can select two crimping options for in-house cut and tab production runs: puncture and non-puncture. The puncture crimp creates several small and one large piercing in the 10.0 mm sustainer's wall while still providing a tight wick grip and increasing the crimp's overall tensile strength. Wicks Unlimited's proprietary non-puncture crimping option enables candles to "shut off" at the end of life and will meet or exceed all standard operating requirements for crimp hold.

## Features:

- ❖ Safety neck.
- ❖ 10.0 mm neck height.
- ❖ Available with either a 15.0 mm or 20.0 mm base diameter for easy gluing.
- ❖ Wick insertion hole diameters from 2.1 mm to 3.0 mm to meet your specific requirements.
- ❖ 10.0 mm sustainers are manufactured from .010" (0.254 mm) thick tin-coated steel that helps inhibit corrosion.
- ❖ To meet your specific requirements, 10.0 mm sustainers are available with puncture or non-puncture crimping for in-house cut and tab production runs.
- ❖ 10.0 mm sustainers are often found in pillars and containers.
- ❖ Wicks Unlimited's sustainers are accredited by the Quality Association for Candles and adhere to strict quality standards thanks to ISO: 9001:2015 certified quality management systems and state-of-the-art equipment.



## 10.0 mm Length

Sustainer	Base Diameter	Overall Height	Hole Diameter
A3798	15.0 mm .590"	10.0 mm .394"	2.4 mm .094"
A3777	15.0 mm .590"	10.0 mm .394"	3.0 mm .118"
A3961	20.0 mm .788"	10.0 mm .394"	2.1 mm .083"
A3800	20.0 mm .788"	10.0 mm .394"	2.4 mm .094"
A3799	20.0 mm .788"	10.0 mm .394"	3.0 mm .118"

### Disclaimer

The sustainer's height determines the container's base thermal profile, indicating an aggressive or a conservative system and the remaining amount of wax at the candle's end of life.

The length chart provided in this document is meant to serve only as a reference for our customers to assist them in selecting the appropriate sustainer. Many variables exist in candle wick types, sustainers, wax types, additives, and formulations for individual candle systems. Final sustainer and 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 specific candle system.

Wicks Unlimited is not responsible for selections made by the customer using any of the reference material contained in this document. 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.



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