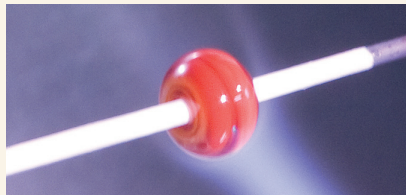


The Striking Sequence

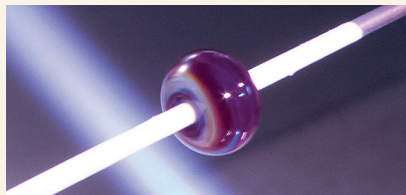
Heat the glass until translucent, glass is almost droopy at this point



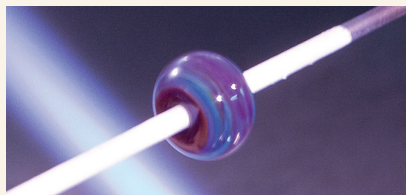
Cool until the glow is gone



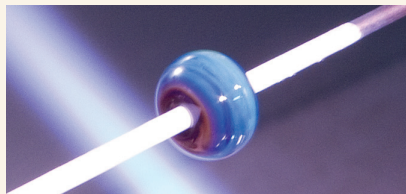
Reheat at the tip of the flame until it glows orange



Observe the first strike as dark brown/dark purple tones bloom



Experiment with the length of the striking time



And/or repeating the striking sequence to achieve different results



Silver Glass and
Other Specialty
Glasses for the Soft
Glass Lampworker

Double Helix Glassworks is a husband and wife team of Jed and Julie Hannay, with their two employees. Jed, who is the mad scientist around here, has been a lampworker since 1999. He worked at Frantz Art Glass for many years. While standing in Frantz's warehouse full of every color of glass available in soft glass and borosilicate, he wondered why the borosilicate palette wasn't available in soft glass, so he tried to make it himself. From there through continual experimenting, he developed new types of glasses that didn't exist in either palette. Imitation is the sincerest form of flattery, so there are other companies making similar glasses now. What sets us apart? One word: Standards. We test every batch of glass for compatibility, consistency, and quality. We are made in the USA and are a 100% green-power participant.

Reducing silver glass:

Aion 2, Aurae, Boreas, Euros, Elektra 2, Gaia, Helios, Notos, Ossa, Oxalis, Psyche, and Triton.

Striking silver glass:

Khaos, Luna 2, and Terranova 2

Reducing and striking silver glass:

Clio, Ekho, Kalypso, Okeanos, and Terra 2

Kiln striking silver glass:

Pandora 2

Always use proper ventilation.

Made in USA

www.doublehelixglassworks.com

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Hayley Tsang Sather – www.envisionsf.com

Stephanie Bonniwell – www.stephaniebonniwell.etsy.com

Double Helix Striking Silver Glass

Luna

by Hayley Tsang Sather and Stephanie Bonniwell

Stephanie Bonniwell and Hayley Tsang Sather's friendship began with their love for silver glass. Their very different backgrounds – Steph's science and Hayley's fine arts – provide complementary platforms as glass testers for Double Helix Glassworks. Stephanie currently resides in Quinby, Virginia, and works professionally as a seawater facility manager. Hayley is a full-time graphic designer in San Francisco, California.

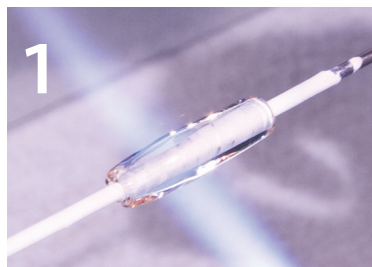


There are essentially two types of silver soft glass – striking and reducing. Reducing silver glass produces beautiful iridescence while striking silver glass yields most of the color spectrum. Striking colors may be new to soft glass lampworkers, so Double Helix asked Steph and Hayley to share their technique in this tutorial.

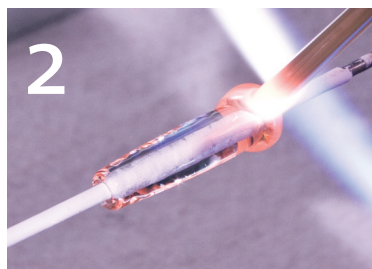
The Striking Sequence is a quick reference guide to help you recognize what you should be looking for in each striking step. The first step of heating the glass until translucent is the most critical. If you don't get the dark brown/dark purple at the first strike, it's a clear indication that you didn't heat your glass enough. Also, most striking glass can be overworked and loses the vibrancy of colors if struck too many times.

Tools and Materials:

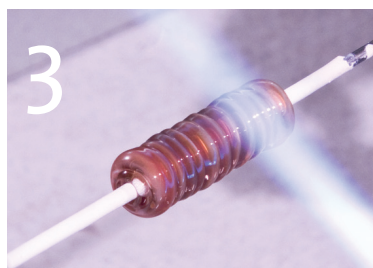
- Clear
- Double Helix Luna
- Double Helix Aether Clear
- 3/32" mandrel with bead release
- Handheld marver



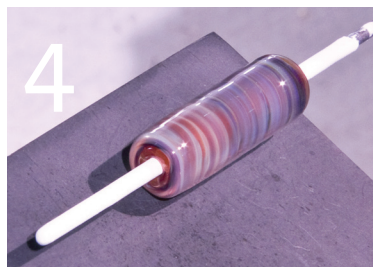
Start by winding Clear onto the mandrel in a barrel shape with a footprint of about 1.25"/32mm.



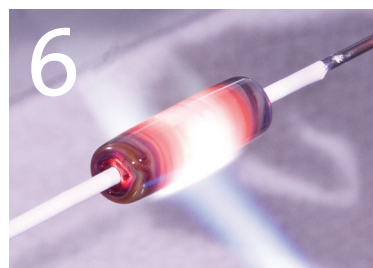
Wind Luna on top of Clear, taking care to cover the Clear ends with Luna.



Completely encase Clear with Luna.



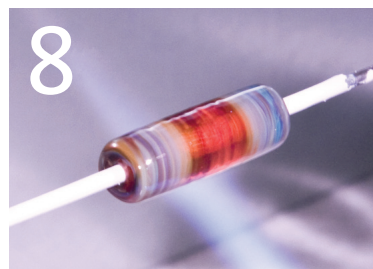
Heat enough to marver the glass into a smooth barrel shape.



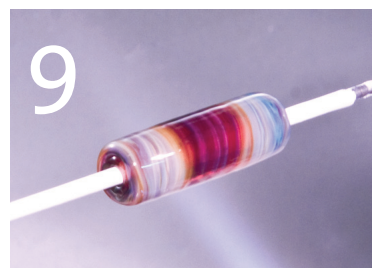
While rotating the mandrel, reheat the middle of the bead until translucent and you see this section begin to droop.



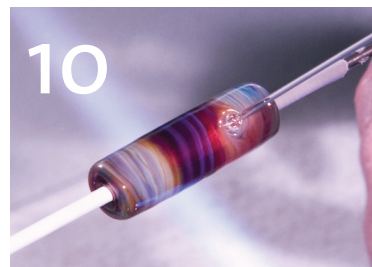
Take it out of the flame and gently marver the middle as it is cooling. Allow the glass to cool until the glow is gone. Carefully place the bead under the table to verify.



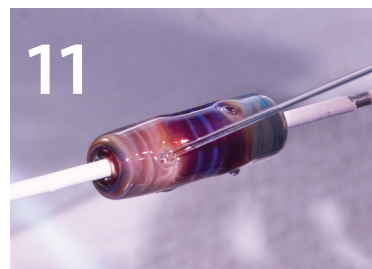
Re-introduce the bead at the top of the flame and slowly reheat until it starts to glow orange. Take it out of the flame and brown tones should bloom at this stage.



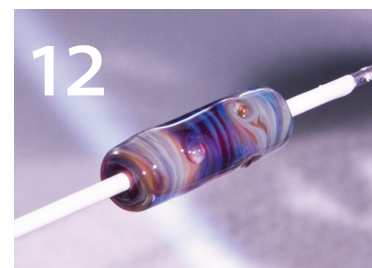
Additional heating and cooling will yield more colors, from dark purples/ blues to light purples/ blues. Do NOT heat till translucent again.



Spot heat when the dark purple meets the light tones, twist with a clear stringer, then snap or burn off the stringer.



Repeat spot heating and twisting a total of three times on each side of the central dark purple band.



Reheat the entire bead. Place bead in a preheated kiln to anneal.

Important Note

Depending on how much you reheat the glass at each strike yields different colors. If overstruck, start all over by heating the glass translucent <Step 6> again.