



ramé-hart Modular Coaxial Needle

p/n 100-10-MC-BASE

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The ramé-hart Modular Coaxial Needle is engineered for researchers and engineers who demand versatility, precision, and ease of maintenance in their electro-spinning, electrospraying, and other coaxial flow applications. Designed with a durable, reusable stainless steel body, this system allows you to effortlessly switch out inner and outer needles to meet the exact requirements of your experiment.

What's In The Box

- Stainless steel body
- Female Luer Inlets
- Optional Push-to-Connect Inlets for use with the ramé-hart PTFE Tubing p/n 100-10-PTFE-5.
- Roll of PTFE sealing tape
- All required washers
- (1) Outer needle finished to length*
- (1) Inner needle finished to length*
- Disposable needles are available*

* - Additional needles (both reusable and disposable needles) in the same or different gauges can be ordered.

Ordering Instructions

For ordering instructions, go to customspinnerets.com and then under Products, click on Modular Coaxial.



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Instructions for Use

1. To install the innermost needle, use a 9/16 in (or adjustable) wrench to remove the outer needle fitting from the body. Hold the body using an 11/16 in (or adjustable) wrench.
2. Insert the inner needle into the Luer fitting inside of the body. Then use a pair of needle nose pliers to turn the hub of the needle one quarter turn CW to lock it into place as shown below.



3. Next, wrap a fresh piece of PTFE tape on the outer threads of the outer needle fitting.
4. Slip the fitting over the inner needle and thread it onto the body—only finger tight for now.
5. Install the outer needle by sliding it over the inner needle and then into the male Luer fitting. Turn the hub CW one quarter turn to secure it.
6. Using a 9/16 in (or adjustable) wrench on the outer needle fitting and a second 11/16 in (or adjustable) wrench on the body and continue CW to tighten the fitting to the body until the desired DIM C value (distance between the inner and outer needles) is achieved.

ramé-hart instrument co • www.ramehart.com • 973-448-0305 • fax 973-448-0315

19 Route 10 East • Suite 11 • Succasunna • New Jersey • 07876 • USA

