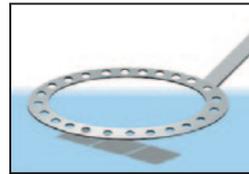


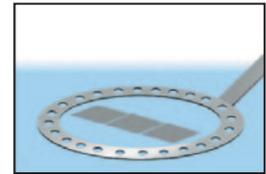
## III Perfect Loop EMS EXCLUSIVE

Using this PERFECT LOOP, you can place your thin sections, cut on the ultramicrotome, easily on the grid mesh without creases.

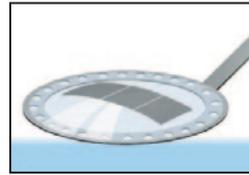
The Perfect Loop allows you to pick up sections consistently without causing any damage to the sections. It is the only loop that is currently available where the outside diameter of the loop is the same as the grid and the inside diameter is slightly larger than the observation area of the electron microscope. The thickness is about 40 microns. Due to the fact that the loop and the grid are of the same diameter they are attracted to one another when in water and attach together through the surface tension of the water. Even if the section touches the inside of the grid during blotting the touching area is minor and, therefore, the section is not damaged. When the grid is removed from the loop the section remains in place without fail. The area equals the observation field (about 2mm diameter) of the electron microscope; thus pieces can be fully observed.



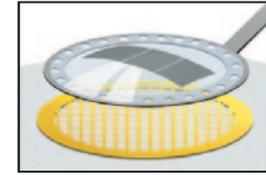
1. Center the LOOP above the sections



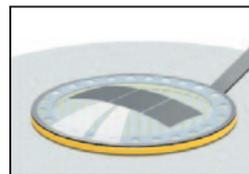
2. Slowly lower the LOOP over the sections and touch the water.



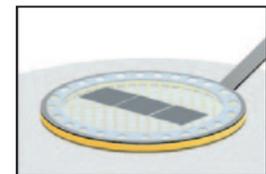
3. Gently lift up the LOOP with the sections in a droplet of water



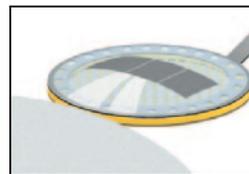
4. Lower the LOOP onto a grid and lift up again.



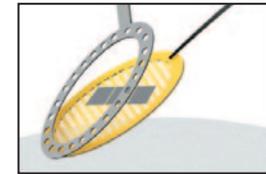
5. The grid holds to the LOOP by surface tension.



6. Lower the LOOP to the filter paper to remove water.



7. For coated grids, touch with filter paper to remove water.



8. Separate the grid from the LOOP with an eyelash.

### ORDERING INFORMATION

#### III Perfect Loop for Ultra thin sections

EMS Cat. No.	Description	Qty.
70944	Set of Handle & Loop	set
70945	Loop only	each
70946	Loop only	5/each
70948	Handle only	each

#### III Perfect Loop for Light Microscopy (large sections)

The outside diameter of the loop is 7mm.

EMS Cat. No.	Description	Qty.
70940	LM Set of Handle & Loop	set
70941	LM Loop only	each
70942	LM Loop only	5/each
70943	LM Loop Handle	each

### EMS TECHNICAL TIP

#### Section Pick-up — The Perfect Loop

The Perfect Loop (EMS cat # 70944) allows you to pick up sections consistently without causing any damage to the sections. It is the only loop that is currently available where the outside diameter of the loop is the same as the grid and the inside diameter is slightly larger than the observation area of the electron microscope. The thickness is about 40 microns. Due to the fact that the loop and the grid are of the same diameter they are attracted to one another when in water and attach together through the surface tension of the water. Even if the section touches the inside of the grid during blotting the touching area is minor and, therefore, the section is not damaged. When the grid is removed from the loop the section remains in place without fail. The area equals the observation field (about 2mm diameter) of the electron microscope; thus pieces can be fully observed.