

Stangel Scope Construction Details

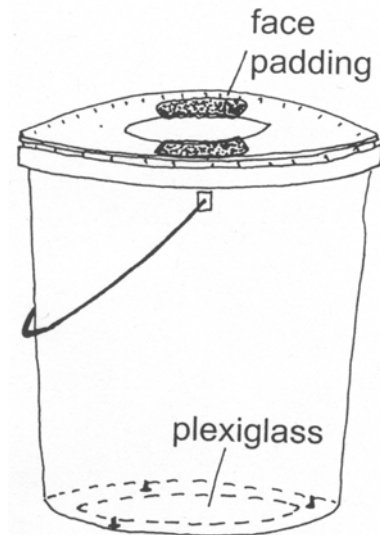
How to Make an Aquatic Plant View Scope

Materials for Single Scope:

- Perfect for use from a kayak or canoe
 - clean 5 gallon bucket with lid
 - 1 can of flat black spray paint
 - clear, water-proof silicone
 - 1/8" plexiglass
 - 3/16" screws (1/2" long) with nuts
 - 6 washers
 - foam padding (optional)

Single Scope Instructions:

1. Make a template of the inside of the bucket: a circle approximately 10 3/8 inch in diameter:
 - mark three places for holes to be drilled (hole size is 3/16 inch)
 - have plexiglass cut to your template
2. Cut out the bottom of the bucket, leaving a one inch lip all the way around.
 - drill three holes (that match your template locations) in the lip.
3. Cut a hole in the lid that is half the size of the bottom hole (face hole).
4. Paint the inside of the bucket and lid black.
5. Fit the plexiglass in the bucket and attach with screws with the nuts on the outside.
6. Seal plexiglass and screws with silicone.
7. Place lid on and add foam around face hole to make more comfortable to use (optional).



Materials for Double Scope:

- Perfect for use from a motorboat or dock
 - The same materials are required except the number of screws, nuts, and washers needs to be doubled as well as obtaining a second identical bucket.

Double Scope Instructions:

1. Follow the same instructions for the single scope for producing the viewing bucket.
2. Cut a hole in the second bucket that is half the size of the hole in the other bucket (face hole).
3. Place the buckets together with the handles on opposite sides so that you will have a way to hold the scope.
4. Drill three holes in each upper lip of the buckets making sure they are properly aligned in order to screw them together.

