

**Note:** The Mini Inertial Pump consists of four parts: 2 stainless steel inserts (with one notched end and one circular end), a 1/8" stainless steel check ball and a length of 1/4" x 0.170" ID tubing (ordered separately).

## To Assemble:

**Note:** Use some sandpaper to hold onto the tubing securely when pushing the inserts in place.

1. Obtain an appropriate length of tubing.
2. Flare the end of the tubing slightly with the Mini Inertial Pump insertion tool (available upon request), by pushing and twisting the tool into the tubing. Push one of the inserts into the end of the tubing so that the notched end is facing down towards the end of the tubing. The first insert should be approximately 1" from the end of the tubing.
3. Drop the stainless steel check ball into the end of the tubing.
4. Push the second insert, also with the notched end facing down, into the end of the tubing, leaving about 1/2" between the two inserts where the stainless steel check ball is positioned. The bottom end of the insert should be just inside the base of the tubing when assembly is complete.

## To Operate:

1. Lower the Mini Inertial Pump as deep as possible below static water level. Pumping should be done at least 2 feet above any sediments in the borehole.
2. The pumping motion should be constant (i.e. no stops or delays) and the strokes should be distinct and rapid.
3. The Mini Inertial Pump must be submerged at all times to operate.

