

# TMart PVC Sediment Coring Device 1.1

This coring device is designed around the inexpensive T 12 Clear Polycarbonate tube lamp guard that protects fluorescent light tubes from shattering. The polycarbonate tube may be cut in half for two sediment core liners.



## Supply List

All supplies Schedule 40 PVC

### Handle

2 – 2" End Cap (2" segment of pipe needed to attach)

1 – 2" X 2" Tee

1 – 2" cleanout adapter (threaded)

### Core Barrel

2 – 2" Male adapter (threaded)

24" – 2" pipe (20" for tube, 2-2" sections used in handle)

### Cutting bit

1 – 2" cleanout adapter (threaded)

1 – 1 1/4" coupling (cut and sharpened)

### Extension Handle

1 – 2" cleanout adapter (threaded)

1 – 2" Male adapter (threaded)

~ 5' – 2" pipe

4 – 1 1/4" end caps to cap end of core tube.

## Assembly Tips

Drill a 1/4" or 1/2" hole in top center of tee for air release / vacuum vent.

For cutting bit, cut coupling appx. 1/4" from center stop (discard small piece). Prior to gluing, soften the coupling with heat (candle or torch) then expand uncut side of coupling over narrow neck bottle (wine bottle) until the outside diameter is a tight fit in the 2" cleanout adapter. Sharpen cutting edge with grinder or rasp.

