

# Anchoring & Grounding

## Coasters Harbor Navy Yacht Club

[www.nwc.navy.mil/chnyc](http://www.nwc.navy.mil/chnyc)

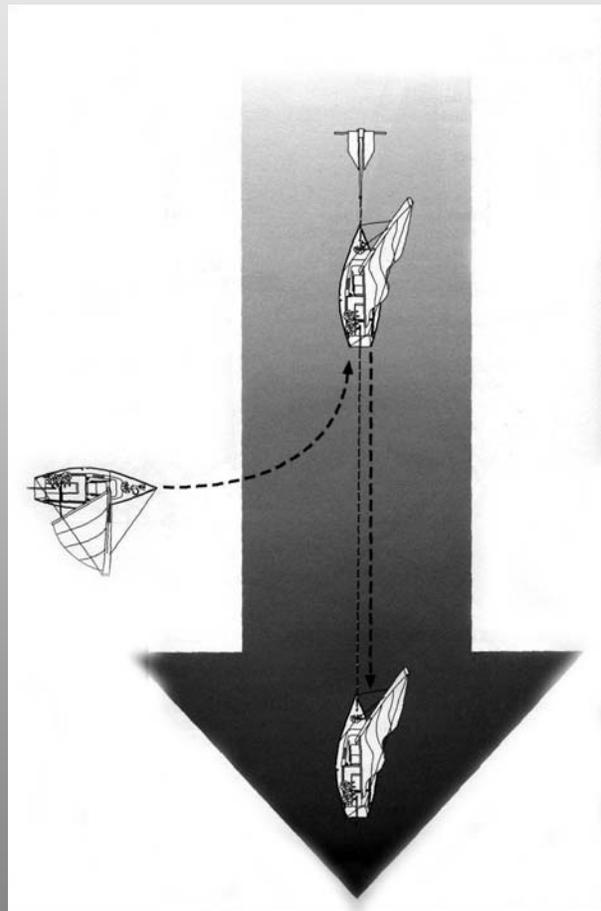


# Anchoring Preparation

- **Preparation is key**
- **Stow the jib**
  - Clear foredeck
- **Anchor & rode coiled**
  - Danforth
  - 100 ft nylon line
- **Rode tied to mast**
  - Bowline

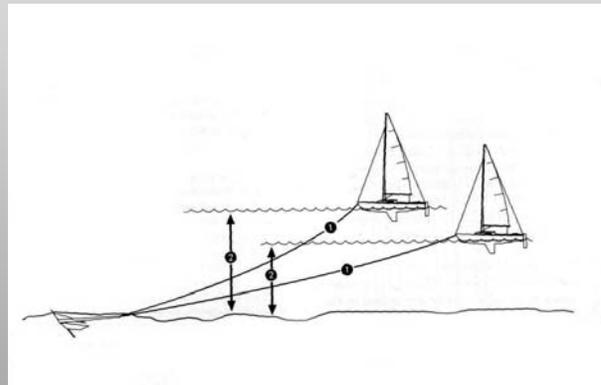
# Anchoring Steps

- **Sail on a reach**
  - 3-4 boat lengths downwind of drop point
- **Head into wind**
- **As come to a stop, crew lowers anchor**
  - Do not throw or drop it
- **Pay out rode as drift back**
- **Check scope**
  - Is anchor holding?
- **Lower mainsail**



# Scope

- **Ratio of anchor rode to water depth**
- **Scope 7:1 adequate**
  - In 10 ft of water have 70 ft of rode
- **Charted depth**
  - Low tide
  - Check tide & current
- **Swing clear of obstacles**
  - 360 degrees



# Is anchor holding?

- **Sight two objects that are aligned**
  - Do not use another boat as object
  - Objects abeam are best
- **If objects remain aligned you anchor is holding**
  - If not remain aligned you anchor is dragging
- **If anchor is dragging**
  - Pay out more rode; or
  - Pick up anchor and start again

# Grounding

- **Happens to everybody**
  - Sooner or later
- **If soft muddy/sandy bottom with rising tide, you're lucky**
  - Heal the boat with sails and crew weight to raise keel off the bottom.
  - Depart same direction you entered
- **If rocky bottom with outgoing tide**
  - Lower sails and put on PFD
  - Kedge anchor to keep from going harder aground
    - Wind and wave action
- **Attract attention with distress signal**
- **Stay with the boat**