



ASA 118b Big Boat Docking

Docking, Maneuvering, Inboard Diesel Engine Operation and Troubleshooting

Fee: \$395 per person

Everyone wants to dock like a boss! The most stressful moments chartering are typically in and around the docks. We break the ASA 118 Docking certification into A & B sections. A is for small boats with outboard motors and B is for larger boats with inboard diesels. This important

class takes place on the water aboard 21-27 foot sailboats with outboard motors with up to 2 students total. ASA 118a is required prior to your first bareboat charter. You will graduate this class a MUCH more confident and safer sailor!

KNOWLEDGE

1. List four forces that act on a boat during docking maneuvers, how each force affects the speed and orientation of the boat, and which force is dominant.
2. Describe which forces the helmsman can control or use to advantage during docking.
3. Describe engine and rudder control as used during docking.
4. Describe how to properly secure mooring lines in a slip and alongside a dock.
5. Describe the use of spring lines during docking.
6. Describe safety considerations during docking.
7. Describe docking and undocking procedures including crew-member duties.

SKILLS

8. Prepare boat and crewmembers for docking and undocking including:
 - Assessment of boat condition
 - Dock and fairway configuration
 - Routes of exit and entry
 - Water depths
 - Wind and current direction and strength
 - Potential hazards
 - Docking/undocking plan
 - Crewmember assignments and instruction
 - Emergency abort options and procedures

9. Maneuver the boat in a confined space to include performing a 'standing turn' maneuver, turning the vessel 360 degrees using rudder position and gearshift/throttle control while remaining in a circle not exceeding two boat lengths in diameter.

10. Undock boat as planned without collision, grounding, damage or injury.

11. Dock parallel to a dock with wind blowing towards dock; demonstrate proper use of spring lines and attachment of lines to the dock.

12. Undock from parallel to a dock with wind blowing towards dock; demonstrate proper use of spring lines to avoid other boats moored fore and aft.

13. Dock bow into slip with a cross wind; demonstrate proper use of spring lines and attachment of lines in the slip.

14. Dock stern into slip with a cross wind; demonstrate proper use of spring lines and attachment of lines in the slip.

15. Demonstrate the proper method for heaving a line.

16. Construct and demonstrate the use of each of the following:
 - Round turn and 2 half hitches
 - Cleat hitch
 - Bowline

15. Thorough overview of inboard Diesel Engine including
 - Checking oil and fuel - proper fueling method
 - Engine Electrical, Cooling, Gears and Fuel Systems
 - Open engine bay inspection
 - Engine Troubleshooting - the 4 uh-ohs

ASA 118 Docking & Manuevering

There are two sections to this certification. 118a is small boats with outboards and 118b is larger boats with inboard diesels

Both sections are required prior to ASA 118 certification.

118b Midweek

Scheduled By Request

118b Weekend

Classes run 4th Sat of each month 12:30 - 4 pm

ASA 118a is required to charter boats up to 27' boats with outboards (taken after Basic Coast Cruising)

ASA 118b is required to charter boats up to 35' boats with inboard diesels (taken after Basic Coast Cruising)

