

U.S.C.G. Merchant Marine Exam

Master Less than 200 Gross Registered Tons Rivers

Q396 Deck General - Safety

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. Which knot is suitable for hoisting an unconscious person?

- (A) Fisherman's loop
- (B) Spider hitch
- (C) French bowline
- (D) Bowline in a bight

If choice C is selected set score to 1.

2. Which splice should you use in order to make a permanent loop in a line?

- (A) Short splice
- (B) Back splice
- (C) Long splice
- (D) Eye splice

If choice D is selected set score to 1.

3. Which letter in illustration D030DG below represents a plain whipping?

- (A) V
- (B) F
- (C) E
- (D) J

If choice D is selected set score to 1.

4. Which knot in illustration D030DG below represents a single becket bend?

- (A) E
- (B) F
- (C) G
- (D) H

If choice D is selected set score to 1.

5. Which describes the "lay" of a line?

- (A) Its normal location of stowage
- (B) The direction of twist of the strands
- (C) The manner in which it is coiled
- (D) The manner in which it is rigged

If choice B is selected set score to 1.

6. What does the process of faking down a line mean?

- (A) To put a whipping on the line
- (B) To coil it down on deck
- (C) To stow the line below
- (D) To arrange the line on deck in long bights

If choice D is selected set score to 1.

7. In illustration D044DG below, what is the mooring line labeled "D" called?

- (A) Forward spring line
- (B) Stern line
- (C) Waist breast line
- (D) After spring line

If choice D is selected set score to 1.

8. In illustration D044DG below, what is the mooring line labeled "G" called?

- (A) Offshore bow line
- (B) Forward breast line
- (C) Inshore bow line
- (D) Forward spring line

If choice C is selected set score to 1.

9. Which color of rockets, shells, or rocket parachute flares are used to indicate that the vessel is in distress and requires immediate assistance?

- (A) Red
- (B) White
- (C) Yellow
- (D) Green

If choice A is selected set score to 1.

10. All of the following are part of the fire triangle EXCEPT _____.

- (A) oxygen
- (B) fuel
- (C) heat
- (D) electricity

If choice D is selected set score to 1.

11. What is the normal percentage of oxygen in air?

- (A) 16%
- (B) 18%
- (C) 21%
- (D) 25%

If choice C is selected set score to 1.

12. Why should storage batteries be charged in a well ventilated area?

- (A) They emit hydrogen
- (B) They generate heat
- (C) They recharge faster in a well ventilated space
- (D) Because of the toxic fumes they emit

If choice A is selected set score to 1.

13. Which method of adjusting mooring lines is MOST useful for leaving a boat free to rise and fall with the tide?

- (A) Crossing the spring lines
- (B) Doubling up on spring or breast lines
- (C) Slacking all forward running lines while keeping all after running lines taut
- (D) Slacking bow and stern lines

If choice A is selected set score to 1.

14. When inspecting wire rope before a hoisting operation, what must one look for?

- (A) Kinks
- (B) Worn spots
- (C) Fishhooks
- (D) All of the above

If choice D is selected set score to 1.

15. When backing down with sternway, where will the pivot point of a vessel be located?

- (A) The pivot point will be aft of the propellers
- (B) The pivot point will be about one-third of the vessel's length from the bow
- (C) The pivot point will be about one-quarter of the vessel's length from the stern
- (D) The pivot point will shift to the bow

If choice C is selected set score to 1.

16. Most of your vessel's superstructure is forward. How will the vessel lie when drifting with no way on?

- (A) With the wind off the starboard beam
- (B) With the wind from abaft the beam
- (C) With the wind from ahead
- (D) With the wind off the port beam

If choice B is selected set score to 1.

17. You are on a single-screw vessel with a right-handed propeller, and you are making headway. What occurs when you enter shallow water?

- (A) Your vessel will tend to ride higher
- (B) Your speed will increase without a change in your throttle
- (C) Your rudder response will become sluggish
- (D) Your vessel will have better rudder response

If choice C is selected set score to 1.

18. You observe a V-shaped ripple with the point of the V pointing upstream in a river. What may this indicate?

- (A) A submerged rock, not dangerous to navigation
- (B) A sunken wreck, not dangerous to navigation
- (C) A towed-under buoy
- (D) All of the above

If choice C is selected set score to 1.

19. While steering by autopilot you notice that the vessel has deviated 15 degrees from course and there is no corrective rudder being applied. As a standard operating procedure you should first _____.

- (A) check the setting of the rudder adjustment
- (B) immediately engage the trick wheel
- (C) check the setting of the weather adjustment
- (D) switch to hand steering

If choice D is selected set score to 1.

20. Which is the root cause of wake damage to a vessel or structure in a narrow channel?

- (A) Improper steering of the vessel
- (B) Excessive speed
- (C) Slack mooring lines
- (D) Trim of the vessel

If choice B is selected set score to 1.

21. Which is the Best way to reduce your wake in a narrow channel?

- (A) Shift the weight to the stern
- (B) Change your course to a zigzag course
- (C) Reduce your speed
- (D) Apply enough rudder to counter the effect of the current

If choice C is selected set score to 1.

22. Paints and solvents on a vessel should be _____.

- (A) returned to the paint locker after each use
- (B) stored safely at the work site until work is completed
- (C) stored in a suitable gear locker
- (D) covered at all times to protect from ignition sources

If choice A is selected set score to 1.

23. Fire may be spread by which means?

- (A) Direct radiation
- (B) Conduction of heat to adjacent surfaces
- (C) Convection
- (D) All of the above

If choice D is selected set score to 1.

24. When flammable liquids are handled in a compartment on a vessel, the ventilation for that area should be _____.

- (A) operated intermittently to remove vapors
- (B) available on standby for immediate use
- (C) operated continuously while vapors may be present
- (D) shut down if an explosive mixture is present

If choice C is selected set score to 1.

25. A fire in a pile of dunnage would be classified as class _____.

- (A) A
- (B) B
- (C) C
- (D) D

If choice A is selected set score to 1.

26. If ignited, which material would be a class B fire?

- (A) Diesel Oil
- (B) Magnesium
- (C) Paper
- (D) Wood

If choice A is selected set score to 1.

27. What is the primary hazard, other than fire damage, associated with a class C fire?

- (A) Possibility of reflash
- (B) Explosion
- (C) Flashover
- (D) Electrocution or shock

If choice D is selected set score to 1.

28. Which extinguishing agent is the best for use on electrical fires?

- (A) Foam
- (B) Dry chemical
- (C) Water fog
- (D) CO2

If choice D is selected set score to 1.

29. When abandoning ship and jumping into the water from a substantial height without a life jacket, you should _____.

- (A) jump feet first, covering your nose and mouth with one hand and grasping the opposing upper arm with the other
- (B) dive head first, using your hands to break the surface of the water
- (C) jump feet first, holding your knees to your chest
- (D) hold your arms firmly at your sides and jump feet first

If choice A is selected set score to 1.

30. You have just abandoned ship and boarded a raft. After the raft is completely inflated you hear a whistling noise coming from a safety valve. Which action should you take?

- (A) Remove the safety valve and replace it with a soft patch
- (B) Do not become alarmed unless it continues for a long period of time
- (C) Plug the safety valve
- (D) Unscrew the deflation plugs

If choice B is selected set score to 1.

31. An important step in fighting any electrical fire is to take which action?

- (A) Apply water to extinguish the fire
- (B) De-energize the circuit
- (C) Stop ventilation
- (D) Stop the vessel

If choice B is selected set score to 1.

32. If you have a fire in the engine room, your FIRST act should be to _____.

- (A) maneuver your vessel into the wind
- (B) discharge the fixed CO2 system into the engine room
- (C) secure the fuel supply and ventilation to the engine room
- (D) have all of your crew get into the liferaft

If choice C is selected set score to 1.

33. If heavy smoke is coming from the paint locker, what should be the FIRST firefighting response?

- (A) Enter and use a portable extinguisher
- (B) Release the CO2 flooding system
- (C) Open the door to evaluate the extent of the fire
- (D) Secure the ventilation

If choice D is selected set score to 1.

34. You are picking up a conscious person that has fallen overboard in one of the vessels motor boats. Recovery is easier in a light breeze if you approach from which direction?

- (A) Leeward with the victim to windward
- (B) Approach with the wind on your starboard side
- (C) Approach with the wind on your port side
- (D) Windward with the victim to leeward

If choice D is selected set score to 1.

35. You are trying to rescue survivors from a wrecked vessel on fire. How should you make your approach?

- (A) At a speed of at least that of the wrecked vessel
- (B) To leeward of the wrecked vessel
- (C) At a speed of at most one-half that of the wrecked vessel
- (D) To windward of the wrecked vessel

If choice D is selected set score to 1.

36. The maneuver which will return your vessel to a person who has fallen overboard in the shortest time is _____.

- (A) a single turn with hard rudder
- (B) engine(s) crash astern, no turn
- (C) two 180° turns
- (D) a Williamson Turn

If choice A is selected set score to 1.

37. One of your crew members falls overboard from the starboard side. You should IMMEDIATELY take which action?

- (A) Begin backing your engines
- (B) Position your vessel to windward and begin recovery
- (C) Throw the crew member a life preserver
- (D) Apply left rudder

If choice C is selected set score to 1.

38. The vessel shown in illustration D025DG has broken down and you are going to take her in tow. The wind is on her starboard beam. She is making more leeway than you. Where should you position your vessel when you start running lines?

- (A) A
- (B) B
- (C) C
- (D) D

If choice D is selected set score to 1.

39. A situation has occurred where it becomes necessary for you to be towed. What action should be taken to prevent your vessel from yawing?

- (A) Shift weight to the stern
- (B) Throw excess weight overboard
- (C) Shift weight to the center of the boat
- (D) Shift weight to the bow

If choice A is selected set score to 1.

40. Which term(s) are in the category of "oil" as used in the Oil Pollution Regulations?

- (A) Fuel oil
- (B) Sludge
- (C) Oil refuse
- (D) All of the above

If choice D is selected set score to 1.

41. As soon as the officer in charge of the vessel has taken steps to stop the discharge of oil or oily mixture into a U.S. harbor, what must he/she do FIRST?

- (A) Contact the Coast Guard
- (B) Rig a boom on deck
- (C) Alert the fire department
- (D) Inform the Environmental Protection Agency

If choice A is selected set score to 1.

42. If you must pump bilges while a vessel is in port, which is the proper method?

- (A) Only during the hours of darkness
- (B) The discharge is led to a reception facility
- (C) Only pump as much as is necessary
- (D) During the outgoing tide

If choice B is selected set score to 1.

43. Fueling results in the collection of waste oil in drip pans and containers. Which is an approved method of disposing of the waste oil?

- (A) Mixing it with dispersants before draining it overboard
- (B) Draining it overboard when the vessel gets underway
- (C) Discharge to a proper reception facility
- (D) Adding sinking agents and discharging it into the water

If choice C is selected set score to 1.

44. What is the period of validity of a Merchant Mariner Credential?

- (A) 3 years
- (B) 2 years
- (C) 1 year
- (D) 5 years

If choice D is selected set score to 1.

45. You operate a harbor craft on inland waters exclusively. If you regularly service or contact foreign flag vessels in the course of business, which statement is TRUE?

- (A) A customs official must be on board when contacting a foreign flag vessel.
- (B) Your vessel must be inspected.
- (C) All contacts with a foreign flag vessel must be reported to the U.S. Coast Guard.
- (D) Your crew must have identification credentials.

If choice D is selected set score to 1.

46. A change of a documented vessel's name can only be made by which organization?

- (A) Treasury Department
- (B) Commissioner of Customs
- (C) Coast Guard
- (D) American Bureau of Shipping

If choice C is selected set score to 1.

47. Which U.S. agency assigns an official number to a vessel?

- (A) Collector of Customs
- (B) American Bureau of Shipping
- (C) Coast Guard
- (D) Treasury Department

If choice C is selected set score to 1.

48. Following a Serious Marine Incident, a mariner involved in the incident is prohibited from consuming alcohol until after being tested or which time frame?

- (A) 2 hours following the incident
- (B) 4 hours following the incident
- (C) 8 hours following the incident
- (D) 12 hours following the incident

If choice C is selected set score to 1.

49. On which form do you provide a written report of Marine Casualty to the nearest Coast Guard Marine Safety Office?

- (A) DOT 211
- (B) DD 214
- (C) CG 2692
- (D) CG 5511

If choice C is selected set score to 1.

50. Normally, potable water systems are connected directly to the _____.

- (A) feed-water system
- (B) fire-main system
- (C) freshwater sanitary system
- (D) potable water tank

If choice D is selected set score to 1.

51. In general, how often are sanitary inspections of passenger and crew quarters made aboard passenger vessels in river service?

- (A) Once each day
- (B) Once each week
- (C) Once each month
- (D) Once each trip

If choice C is selected set score to 1.

52. Topside icing decreases vessel stability because it increases _____.

- (A) free surface
- (B) displacement
- (C) KG
- (D) draft

If choice C is selected set score to 1.

53. The free surface correction depends upon the dimensions of the surface of the free liquid and which other item?

- (A) The height of the center of gravity of the vessel
- (B) The displacement of the vessel
- (C) The location of the tank in the vessel
- (D) The volume of liquid in the tank

If choice B is selected set score to 1.

54. Which of the following describes why topside icing, which is usually off-center, decreases vessel stability?

- (A) It increases the draft
- (B) It reduces the pocketing of free surface
- (C) It increases the height of the center of gravity
- (D) It increases the displacement

If choice C is selected set score to 1.

55. When making VHF radio calls to nearby stations, what level of transmitting power should you use?

- (A) Low power
- (B) Extra high power
- (C) Medium power
- (D) High power

If choice A is selected set score to 1.

56. Upon completion of fueling a gasoline driven vessel it is necessary to perform which task?

- (A) Start the engines immediately
- (B) Ventilate before starting engine
- (C) Keep ports, doors, windows, and hatches closed
- (D) None of the above

If choice B is selected set score to 1.

57. What factor is essential to the proper operation of a radiator cooled engine?

- (A) Cooling water pressure
- (B) Air flow through the radiator
- (C) Low heat of combustion
- (D) Jacket water treatment

If choice B is selected set score to 1.

58. Which type of hull damage should be repaired FIRST?

- (A) Damage in way of machinery rooms
- (B) Damage at or just above the waterline
- (C) Damage to interior watertight boundaries
- (D) Damage below the waterline

If choice B is selected set score to 1.

59. What is the purpose of a striker plate?

- (A) Provides surface for applying force on machinery
- (B) Absorbs machinery vibration
- (C) Prevents valve stem over-travel
- (D) Provides landing surface for the sounding bob

If choice D is selected set score to 1.

60. Which statement is TRUE about hooks and shackles?

- (A) Hooks are stronger than shackles of the same diameter.
- (B) Shackles are stronger than hooks of the same diameter.
- (C) Hooks and shackles of the same diameter are of equal strength.
- (D) All the above may be true, depending on the hook's or shackle's overall length.

If choice B is selected set score to 1.

61. When a cargo boom or crane is rated at varying capacities, there will be a table at the controls which relates safe working load to _____.

- (A) winch speed
- (B) boom strength
- (C) load radius
- (D) cable strength

If choice C is selected set score to 1.

62. Which of the signals listed is required to be displayed at night while bunkering at a dock?

- (A) One red light
- (B) Two red lights
- (C) One red light over a white light
- (D) One red light over a yellow light

If choice A is selected set score to 1.

63. Before using a fixed CO₂ system to fight an engine room fire, you must _____.

- (A) secure the engine room ventilation
- (B) secure the machinery in the engine room
- (C) evacuate all engine room personnel
- (D) All of the above

If choice D is selected set score to 1.

64. A squeeze-grip type carbon dioxide portable fire extinguisher has been partially discharged. Which action should be taken?

- (A) Replaced in its proper location if weight loss is no more than 25%
- (B) Replaced in its proper location if weight loss is no more than 15%
- (C) Labeled empty and recharged as soon as possible
- (D) Replaced in its proper location regardless of weight

If choice C is selected set score to 1.

65. CO₂ mainly extinguishes a fire by which of the following?

- (A) chemical action
- (B) smothering
- (C) cooling
- (D) All of the above

If choice B is selected set score to 1.

66. All lifeboats, rescue boats, and rigid-type liferafts shall be stripped, cleaned, and thoroughly overhauled at which time interval?

- (A) 6 months
- (B) Yearly
- (C) 18 months
- (D) Every two years

If choice B is selected set score to 1.

67. Which is TRUE concerning a hydrostatic release mechanism for a liferaft?

- (A) It will inflate the raft in its cradle if operated manually
- (B) It should be kept in a watertight cover except in an emergency
- (C) The unit must be wet before it will release
- (D) It must be submerged to a certain depth to release automatically

If choice D is selected set score to 1.

68. What is the function of the lifeboat davit limit switches?

- (A) To cut off power to the winch when the lifeboat nears the final stowed position
- (B) To control the ascent rate of a lifeboat
- (C) To cut off power to the winch when the lifeboat reaches the davit bumpers
- (D) To control the descent rate of a lifeboat

If choice A is selected set score to 1.

69. Which sequence is correct when launching a lifeboat stowed in gravity davits?

- (A) Release gripes, lift brake, release tricing pennants
- (B) Operate limit switches, release gripes, lift brake
- (C) Release tricing pennants, turn on emergency disconnect switch, release frapping lines
- (D) Release gripes, turn on emergency disconnect switch, release frapping lines

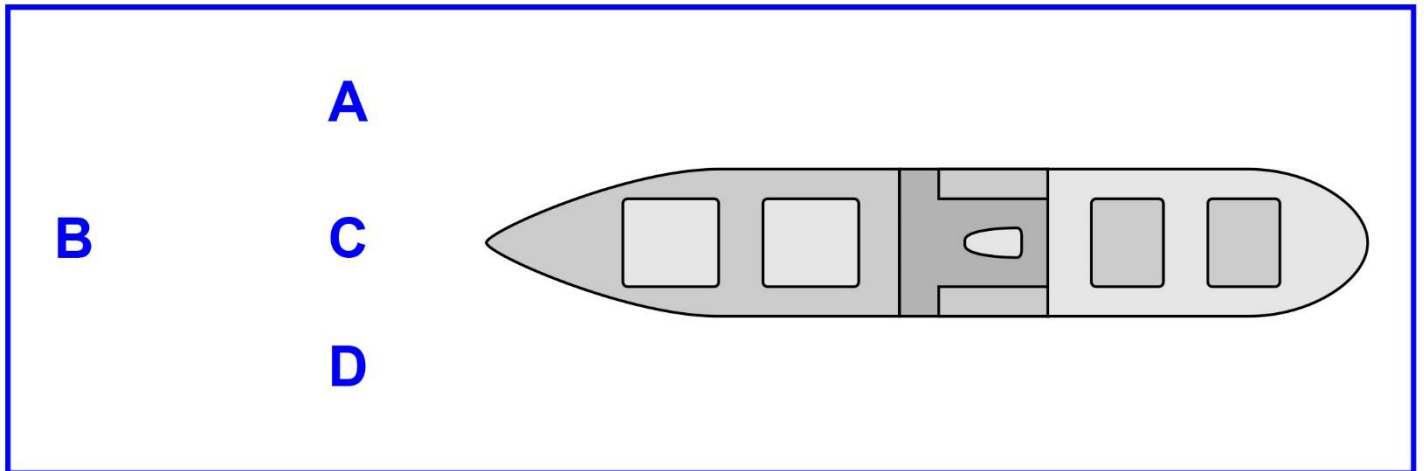
If choice A is selected set score to 1.

70. Life jackets should be marked with which item?

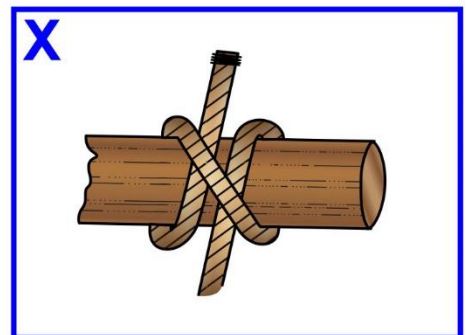
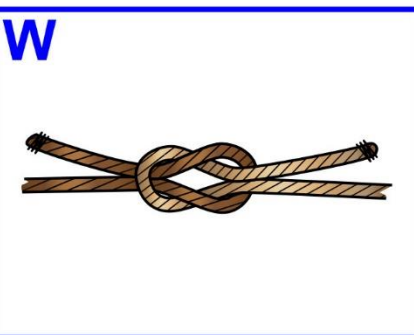
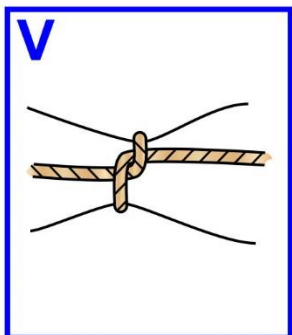
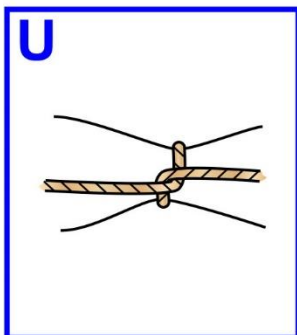
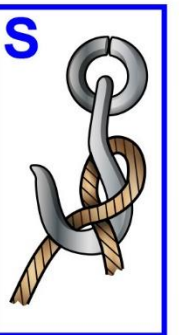
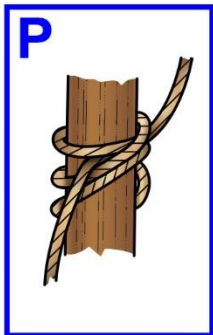
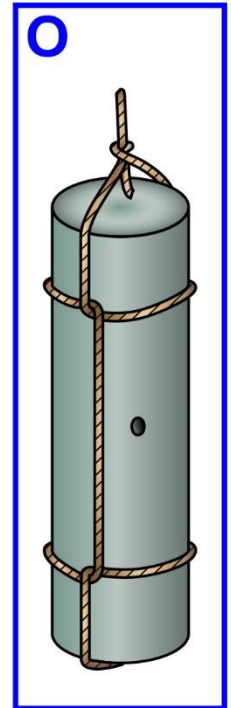
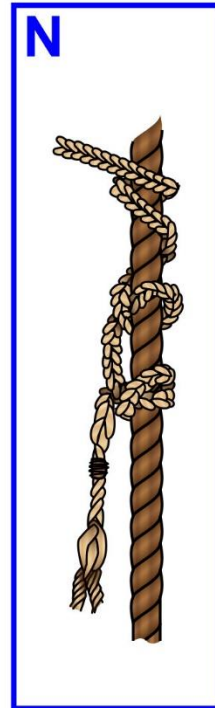
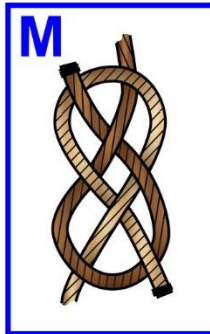
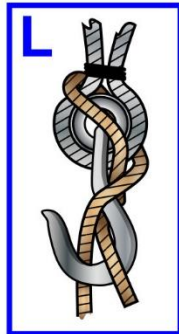
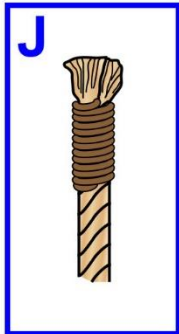
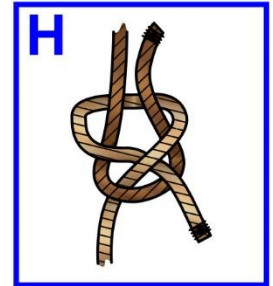
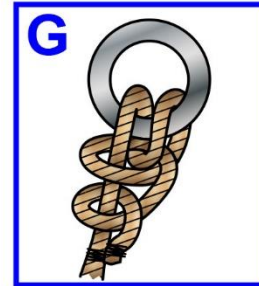
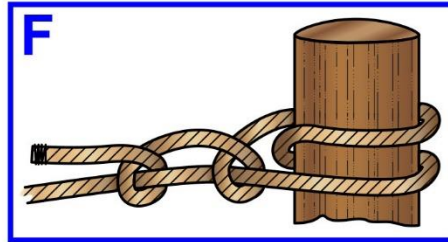
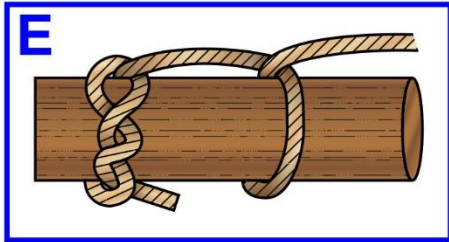
- (A) The maximum weight allowed
- (B) The stowage space assigned
- (C) The vessel's name
- (D) The vessel's home port

If choice C is selected set score to 1.

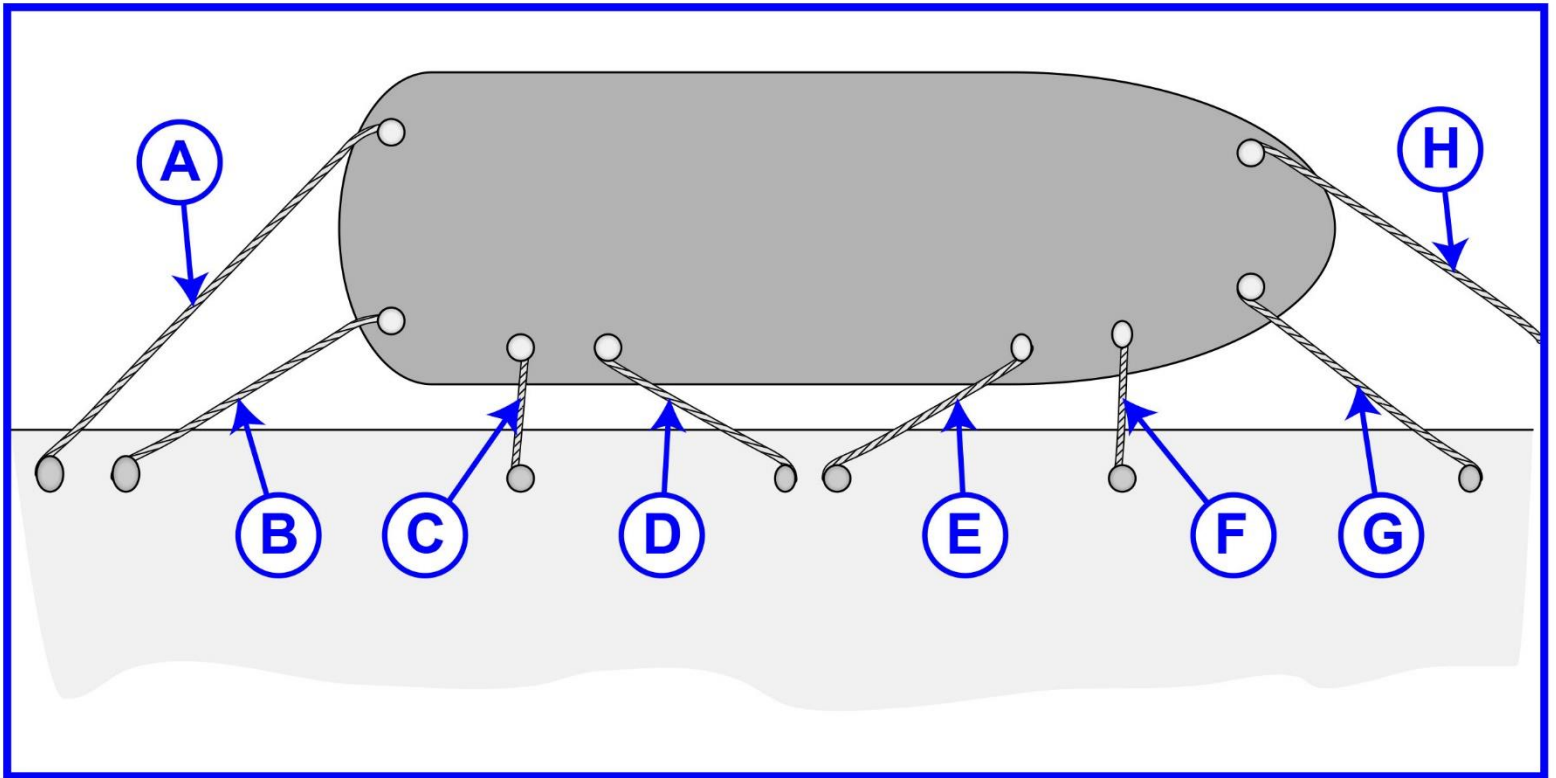
D025DG



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