

§ 401.12

(b) Wire lines shall only be led through approved roller type fairleads.

[39 FR 10900, Mar. 22, 1974, as amended at 70 FR 12971, Mar. 17, 2005; 74 FR 18994, Apr. 27, 2009; 76 FR 13089, Mar. 10, 2011; 77 FR 40804, July 11, 2012]

§ 401.12 Minimum requirements—mooring lines and fairleads.

(a) Unless otherwise permitted by the officer the minimum requirements in respect to mooring lines which shall be available for securing on either side of the vessel, winches and the location of fairleads on vessels are as follows:

(1) Vessels of 100 m or less in overall length shall have at least three mooring lines—wires or synthetic hawsers, two of which shall be independently power operated and one if synthetic, may be hand held.

(i) One line shall lead forward from the break of the bow and one line shall lead astern from the quarter and be independently power operated by winches, capstans or windlasses and lead through closed chocks or fairleads acceptable to the Manager and the Corporation; and

(ii) One synthetic hawser may be hand held or if wire line is used shall be powered. The line shall lead astern from the break of the bow through a closed chock to suitable bits on deck for synthetic line or led from a capstan, winch drums or windlass to an approved fairlead for a wire line.

(2) Vessels of more than 100 m but not more than 150 m in overall length shall have three mooring lines—wires or synthetic hawsers, which shall be independently power operated by winches, capstans or windlasses.

(i) All lines shall be led through closed chocks or fairleads acceptable to the Manager and the Corporation.

(ii) One mooring line shall lead forward and one shall lead astern from the break of the bow and one mooring line shall lead astern from the quarter.

(3) Vessels of more than 150 m but not more than 200 m in overall length shall have four mooring lines, wires or synthetic hawsers, which shall be independently power operated by winches.

(i) One mooring line shall lead forward and one mooring line shall lead astern from the break of the bow.

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(ii) One mooring line shall lead forward and one mooring line shall lead astern from the quarter.

(iii) All lines shall be led through closed chocks or fairleads acceptable to the Manager and the Corporation.

(4) Vessels of more than 200 m in overall length shall have four mooring lines—wires, independently power operated by the main drums of adequate power operated winches as follows:

(i) One mooring line shall lead forward and one mooring line shall lead astern from the break of the bow.

(ii) One mooring line shall lead forward and one mooring line shall lead astern from the quarter.

(iii) All lines shall be led through a type of fairlead acceptable to the Manager and the Corporation.

(5) Every vessel shall have a minimum of two spare mooring lines available and ready for immediate use.

(b) Unless otherwise permitted by the officer, the following table sets out the requirements for the location of fairleads or closed chocks for vessels of 100 m or more in overall length:

TABLE

Overall length of ships	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
100 m or more but not more than 180 m.	Shall be at a location on the ship side where the beam is at least 90% of the full beam of the vessel.	Shall be at a location on the ship side where the beam is at least 90% of the full beam of the vessel.
More than 180 m but not more than 222.5 m.	Between 20 m & 50 m from the stern.	Between 20 m & 50 m from the stern.

[74 FR 18994, Apr. 27, 2009, as amended at 75 FR 10689, Mar. 9, 2010; 76 FR 13089, Mar. 10, 2011; 77 FR 40804, July 11, 2012; 81 FR 13745, Mar. 15, 2016; 83 FR 12485, Mar. 22, 2018]

§ 401.13 Hand lines.

Hand lines shall:

(a) Be made of material acceptable to the Manager and the Corporation;

(b) Be of uniform thickness and have a diameter of not less than 12 mm and not more than 18 mm and a minimum length of 30 m. The ends of the lines shall be back spliced or tapered; and