

Harbour Master Instruction

HMI 003-2026

Title: Port Botany – Brotherson Dock 6 Crane Positioning – Special Conditions

Scope: Sydney VTS, Marine Pilots, Terminal Operators, and Operators of container vessels with a length overall (LOA) greater than 300 meters and accommodation located forward of midships.

Purpose: Special conditions apply to the berthing and unberthing of certain vessels at Brotherson Dock 6 to ensure minimum clearance is maintained between the vessel superstructure and the Liebherr cranes. These conditions have been implemented following the installation of a new Liebherr crane at the dock and apply in addition to the requirements set out in Harbour Master’s Directions (HMD), Section 5.3.

Particulars

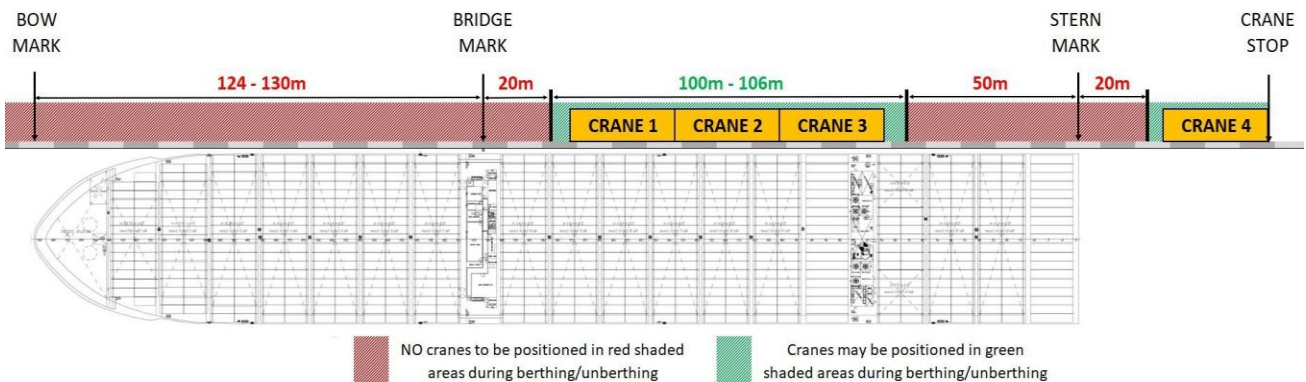
- The new Liebherr crane is 27.8 meters wide (buffer to buffer)
- Quay line is 3.6 meters above chart datum
- Main long boom clearance line from quay line is 62.8 meters when boomed up
- Short boom clearance line from quay line is 58.0 meters when boomed up (10 meters to seaward of the fender line).



Special Conditions

- All cranes must be boomed up (as per HMD Section 5.3).
- All cranes must be positioned aft of the nominated bridge mark.
- Three cranes must be positioned adjacent to one other, aft of the nominated bridge mark, within the following area:
 - The closest crane leg aft of the bridge mark must be positioned minimum 20 meters from the aft most part of the vessel's bridgewing.
 - The nearest leg of the crane closest to the ship's stern must be positioned minimum 50 meters from the nominated stern mark.

Note – The crane closest to the ship's stern (inboard) will be positioned adjacent to the engine casing with topped boom above the funnel.
- One crane must be positioned with its closest leg as far as practicable away, but minimum 20 meters, from the nominated stern mark.
- Two tugs must be made fast in a position to best control the vessel's stern, e.g., one tug made fast centre lead aft and one tug made fast on the quarter.
- The required minimum clearance under the crane when boomed up is 1 meter.



Contacts

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This Harbour Master Instruction superseded *Harbour Master Instruction 21-011* which is hereby cancelled.

For a list of Harbour Master Instructions currently in force, please see:

[Harbour Master's Instructions | Port Authority New South Wales \(portauthoritynsw.com.au\)](http://portauthoritynsw.com.au)