

International Standard



8303

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Shipbuilding — Shipborne barges, series 3 — Main operational and technical requirements

Construction navale — Barges de la série 3 embarcables à bord des navires — Exigences principales d'exploitation et techniques

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Foreword

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Shipbuilding – Shipborne barges, series 3 – Main operational and technical requirements

1 Scope and field of application

This International Standard specifies the main operational and technical requirements for shipborne barges, series 3, when used as a means of transport for cargo transportation both on board a barge-carrier and on inland waterways.

2 Reference

ISO 6765, *Shipbuilding – Shipborne barges, series 3 – Main dimensions*.

3 Shipborne barge requirements when used for cargo transportation on board a barge-carrier

3.1 The main dimensions and characteristics of the barge shall meet the requirements of ISO 6765.

3.2 The material and the hull structure of the barge shall comply with the rules of a recognized classification society.

3.3 The barge shall have devices (bollards, bitts and coupling winches) for connecting it to another barge and to a push-tug, for mooring it alongside a barge-carrier, and for bringing it and centring it over the deck or elevator platform of a barge-carrier as is done on existing shipborne barges, series 3.

3.4 The barge shall be equipped with tie-down fittings along the sides for lashing it when stowed on the open deck of the barge-carrier, and with special areas on hatch covers for jacks to secure the barge in the hold of a barge-carrier. The arrangement of the tie-down fittings and special areas for jacks shall be in accordance with ISO 6765.

3.5 A flush vertical ladder shall be provided on each side of the barge for access to the barge.

3.6 The barge shall be equipped with devices for ensuring the safe securing of cargo.

3.7 If there is a ventilation system on the barge, provision shall be made for connecting this system to that of a barge-carrier analogous to the existing systems on shipborne barges, series 3.

3.8 The barge shall have devices for connection of carbon dioxide supply hoses and for fire warning analogous to those on existing shipborne barges, series 3.

3.9 The list and trim of the fully laden barge when loaded on a barge-carrier shall not exceed 30 and 40 cm respectively.

4 Shipborne barge requirements when used for cargo transportation on inland waterways

4.1 Provision shall be made for the barge to form a convoy when the difference between its draught and that of an adjoining barge in single line is not greater than 1,5 m.

4.2 The barge shall be provided with towing and mooring arrangements to ensure its safe attachment to the convoy.

4.3 The towing and mooring arrangements shall permit the formation of a barge convoy in several lines.

4.4 The anchor gear shall permit the anchoring of two laden barges towed in single line in river conditions.

4.5 All deck openings, including cargo and companion hatches, shall have protective safety covers.

4.6 If the transportation of containers is foreseen, devices for securing 6 m (20 ft) and 12 m (40 ft) containers shall be mounted in the inner double bottom and on the hatch covers.

4.7 The barge shall be provided with stationary cables with sockets for power supply from a push-tug when towed in a barge convoy, analogous to those on existing shipborne barges, series 3.

4.8 The barge shall be provided with devices for ensuring the safe movement of people on the barge deck.