



ABYC H-40 July, 2008

Hull Division Standard

**Hull and Deck Structures Project
Technical Committee**

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the Standards and Technical Information Reports.

ABYC H-40

ANCHORING, MOORING, AND STRONG POINTS



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This list represents the membership at the time the Committee was balloted.

NOTE: *Membership on a committee shall not in and of itself constitute an endorsement of ABYC or any document developed by the committee on which the member serves.*

This Standard was developed under procedures accredited as meeting the criteria for American National Standards. The Project Technical Committee that approved the Standard was balanced to ensure that individuals from competent and concerned interests have had an opportunity to participate.

This Standard, which is the result of extended and careful consideration of available knowledge and experience on the subject, is intended to provide minimum performance requirements.

ABYC's Project Technical Committee meetings are open to the public. All inquiries regarding standards activity, interpretations, or meeting attendance should be directed to the ABYC Technical Department at comments@abycinc.org.

ABYC and its committees do not "approve", "certify", or "endorse" any item, construction, or proprietary device.

REQUEST FOR INTERPRETATIONS

Upon written request the Hull and Deck Structures PTC will render an interpretation of any requirement of the Standard. The request for interpretation should be clear and unambiguous. Requests should be presented to the PTC in a manner in which they may be answered in a yes or no fashion.

The committee reserves the right to reconsider any interpretation when or if additional information which might affect it becomes available to the PTC. Persons aggrieved by an interpretation may appeal to the Committee for reinterpretation.

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H-40 ANCHORING, MOORING, AND STRONG POINTS

Based on ABYC's assessment of the existing technology, and the problems associated with achieving the goals of this standard, ABYC recommends compliance with this standard for all boats, associated equipment, and systems manufactured after July 31, 2009.

40.1 PURPOSE

This standard is a guide for the design, construction, selection, and installation of fittings and equipment for anchoring, mooring, docking, lifting, towing and trailering of boats.

NOTE: *The operator is responsible for equipping the boat with ground tackle, mooring and docking lines appropriate to the boat's intended use and area of operation.*

40.2 SCOPE

This standard applies to fittings and equipment that are attached to, or carried on boats for anchoring, mooring, docking, lifting, towing and trailering of all boats.

NOTE: *This standard does not address loads that may be encountered on grounded or swamped boats.*

40.3 REFERENCES

40.3.1 The following publications form a part of this standard. Unless otherwise noted the latest version of referenced standards shall apply.

40.3.1.1 ABYC - American Boat & Yacht Council, Inc., 613 Third St. Suite 10, Annapolis, MD 21403
Phone: (410) 990-4460 Fax: (410) 990-4466. Website: www.abycinc.org

[ABYC E-2, Cathodic Protection](#)

[ABYC H-5, Boat Load Capacity](#)

[ABYC S-30, Outboard Engine and Related Weights](#)

[ABYC T-24, Owner/Operator's Manual](#)

40.4 DEFINITIONS

For the purposes of this standard, the following definitions apply.

40.4.1 Anchor - A device designed to engage the bottom of a waterway, and through its resistance to drag, maintain a boat within a given radius.

40.4.2 Anchor cleat - A fitting used to secure an anchor rode or other line to the boat.

40.4.3 Anchor rode - The line, cable, chain and other fittings connected to an anchor.

40.4.4 Anchor rollers - Rollers or fittings designed to assist in leading the anchor rode outboard, and/or to stow the anchor.

40.4.5 Backing plate/block - Localized reinforcement of the deck or hull structure.

40.4.6 Boat Weight -

40.4.6.1 Outboard - The boat weight includes heaviest outboard engine for which the boat is rated ([See ABYC S-30, Outboard Engine and Related Weights](#)), full permanent fuel tanks, full permanent water tanks, the heaviest production tolerances, and factory supplied, permanently installed, non-portable appurtenances.

40.4.6.2 Sterndrive and inboard - The boat weight includes sterndrive(s) and engine(s), batteries, full fuel system, full permanent water tanks, the heaviest production tolerances, and factory-supplied, permanently installed, non-portable appurtenances.