

The ABYC H-31 Standards are rigorous guidelines established by the American Boat and Yacht Council to ensure the safety and reliability of seating systems used on boats. These standards specify the design, construction, and testing requirements to ensure that seating systems can withstand the stresses of regular use, high-speed operations, and rough waters, providing secure and stable seating for passengers. At Springfield Marine, we rigorously test our products to ensure they meet and exceed the ABYC H-31 Standards. This includes subjecting our seating systems to extensive stress testing, corrosion resistance evaluations, and durability assessments to confirm they can handle the demands of both leisure and commercial boating environments. By adhering to these standards, we ensure that our products provide the highest level of safety and performance for our customers.

DROP TEST:
 9" above seat cushion.
 400 lb bag with a 16" diameter dropped 2x.
 Remains on seat for 5-min. with no material failure.



PULL TEST:
 16" above seat cushion.
 • 1st pull: 150 lbs for 5-min., at 30° with no more than 10° permanent deflection.
 • 2nd pull: 235 lbs for 5-min., at 50° with no material failure.



ARM REST TEST:
 200 lbs of pressure applied to 5° from vertical for 5-min. with no failure and must perform as intended.



ROTATIONAL TORQUE TEST:
 • AD (Driver) requires 150 lbs and mechanical interface
 • AP (Passenger) requires 30 lbs



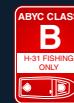
CLASSIFICATIONS



AD rating stands for "Accessory Designated" and refers to a classification within the ABYC standards for seating and pedestal systems. An AD rating indicates that the seat or pedestal is designed for use in specific, designated positions on a boat, typically those that are subject to moderate stress and forces during operation. Unlike the AP rating, the AD rating is more limited and tailored to areas that do not require the highest levels of impact resistance. This rating ensures that the seating system is appropriate for its intended location on the vessel, providing safety and durability where it is needed.



AP rating stands for "All Position" and is a classification within the ABYC standards related to seating and pedestals. This rating indicates that a seat or seating system is designed to be used in any position on a boat, including high-stress areas such as helm positions, where greater forces are encountered during operation. Products with an ABYC AP rating have been tested and proven to withstand the rigors of all positions on the boat, ensuring they provide safety and stability regardless of where they are installed.



"B" rating designates seats intended for use in areas of a boat that experience lower levels of stress and impact, such as those not typically exposed to rough conditions or high-speed operation. Seats with a "B" rating are designed to accommodate seated occupants during normal boat operation but are not intended for high-speed or offshore use where greater forces might be encountered. This rating helps manufacturers and consumers ensure that seating is appropriately matched to the intended use and conditions of the boat.

is a proud member of these associations and subscribes to the standards and practices which they set forth.



The American Boat and Yacht Council (ABYC) has recommended marine industry seating safety standards for pedestal applications into two separate categories as follows:

Class A Seat designed for occupancy while the boat is underway at any speed.

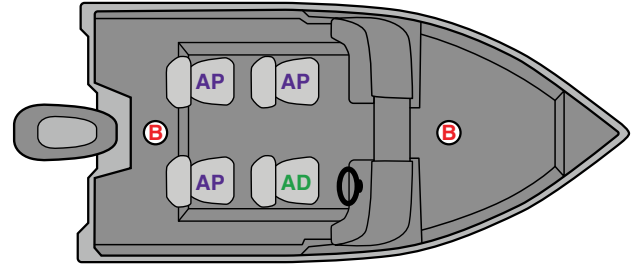
Class B Seat designed for occupancy only at boat speeds not exceeding five miles per hour (fishing or trolling).

All pedestals must pass a series of tests within each of these classifications which include horizontal and vertical impacts, torque, static load, fatigue, and fastener pull testing.

There are two types of Class A seating designations:

Class AP - Passenger Seat mount must resist 30 foot pounds of torque (non-locking).

Class AD - Driver Seat mount must incorporate a "mechanical interference lock" and resist 150 foot pounds of torque (locking).



Class B



Class AP



Class AD

Look for these labels to identify the ABYC H-31 Classifications. Springfield Marine Company has been a leader in establishing and complying with these ABYC recommended standards.

IN ORDER TO COMPLY WITH THESE STANDARDS, SPRINGFIELD COMPONENTS MUST BE COMBINED WITH OTHER SPRINGFIELD PARTS. MIXING SPRINGFIELD PARTS WITH NON-SPRINGFIELD COMPONENTS VOIDS THESE STANDARD CLASSIFICATIONS.

Removeable Passenger



HEAVY-DUTY ADJUSTABLE MAINSTAY PKG



FISH PRO1 PREMIUM FOLDING SEAT



CLASS AP



CLASS AP



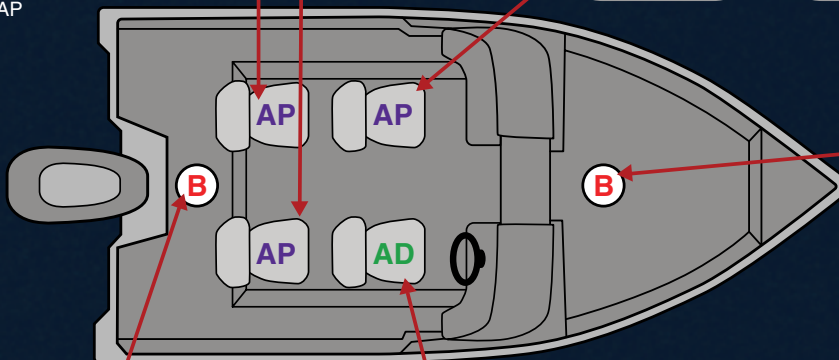
2-3/8" CLIPPER FIXED HEIGHT PKG, 15"

Passenger



OZARK BUCKET SEAT

ABYC H-31



Fishing



PRO CASTING SEAT



CLASS B



EZ-LIFT

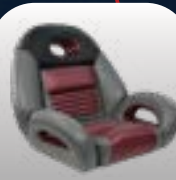
Fishing



SKIPPER PREMIUM SEAT



CLASS AD



PRO FISHING SPEED SEAT

Driver



2-3/8" LOCKING MAINSTAY PKG



CLASS B



PLUG-IN™ AIR-RIDE STAND-UP

Example of multiple parts on typical model boat