

# SWIVL-EZE®

## EXCEEDS THE HIGHEST STANDARDS



The American Boat & Yacht Council has established rigorous safety codes for seating hardware. Swivl-Eze welcomes these standards because we know seating is the critical interface between a boating passenger and a safe and comfortable boat. We exceed ABYC standards to ensure the strength and safety of every Swivl-Eze product.

## ABYC REQUIREMENTS REFERENCE GUIDE

To make specifying simple, we've created an easy visual coding system. Throughout this catalog, each code shows the rating applied to individual hardware.

- AO** = Operator (Used at the helm/driver position)
- AN** = Non-Operator (Not to be used at the helm/driver position)
- B** = Not to be used at the helm/driver position for speeds not to exceed 5 mph

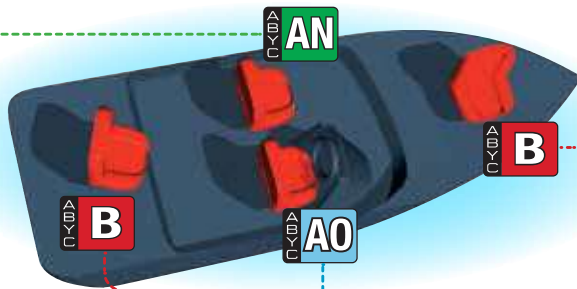
### ABYC H31 SEAT STANDARDS

Go to [attwoodmarine.com](http://attwoodmarine.com) for updated requirements.

#### GENERAL REQUIREMENTS FOR ALL SEAT TYPES. (AO, AN, B)

- 31.6.1 Provided with a means to prevent unintentional detachment
- 31.8.7 Withstand static load of 450 lbs.
- 31.8.13.1 Adjustable height seats must withstand vertical dynamic test

#### SPECIFIC REQUIREMENTS BASED ON SEAT TYPE (Catalog reference code)



**TYPE A:  
NON-OPERATOR**  
(Not to be used at the helm/driver position)

- 31.7.3 Swivel locking mechanism must sustain torque of 30 ft. lbs.
- 31.3 A seat designed for occupancy while the vessel is underway at any speed
- 31.7.1 Employ a locking mechanism for each plane or axis of movement
- 31.7.4 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position
- 31.7.5 Seats with a vertical adjustment feature shall have a positive locking mechanism
- 31.8.3 Sustain 10 impacts of 225 lbs.



**TYPE A:  
OPERATOR**  
(Used at the helm/driver position)

- 31.7.6.1 Must have positive locking swivels which withstand 150 ft. lbs. of torque
- 31.7.6.2 All seats interchangeable with the operator's seat must meet the requirements of this section
- 31.3 A seat designed for occupancy while the vessel is underway at any speed
- 31.7.1 Employ a locking mechanism for each plane or axis of movement
- 31.7.4 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position
- 31.7.5 Seats with a vertical adjustment feature shall have a positive locking mechanism
- 31.8.3 Sustain 10 impacts of 225 lbs



**TYPE B**  
(Not to be used at the helm/driver position)

- 31.3 A seat designed for occupancy only at boat speeds not exceeding five miles per hour
- 31.8.3 Sustain dynamic loads at 1/2 the velocity required for Type A seats

#### EXCEPTIONS:

- 31.2.1 ABYC H31 standards do not apply to canoes, kayaks, sailboats, inflatables, race boats, tiller steered boats and boats rated for less than 10 horsepower or manual propulsion

