

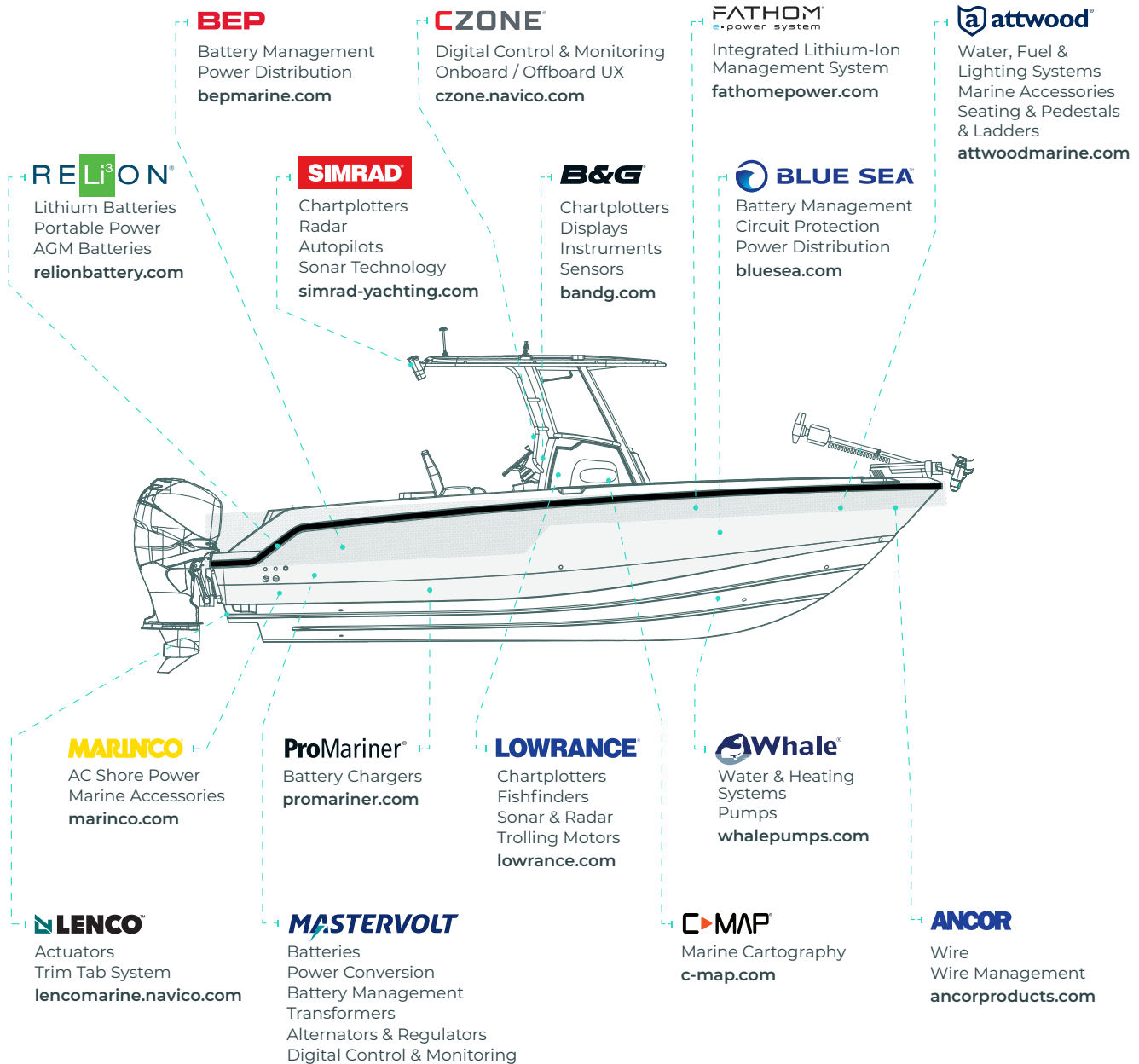


MARINE  
PRODUCTS  
SELECTION

# NAVICO™ GROUP

## TAKING YOU FURTHER

Navico Group is the world's leading supplier of integrated systems and products to industries ranging from marine to recreational vehicle and beyond. We offer an unmatched portfolio comprised of industry-leading brands in power management, digital control & monitoring, networked devices and marine electronics.



See how far our innovations can take you at [Navico.com](http://Navico.com)



# What makes Attwood different:

## Founder's Vision

Attwood has been a proven marine industry leader for over 100 years. Our wide range of products, including general marine accessories, seat & table hardware, and water systems & ventilation are tested to the highest USCG, ABYC, and CE standards. At Attwood, quality is our highest priority.

## Innovation & Engineering

Attwood products are designed and tested to ensure performance and reliability.

## Product Focus

Attwood is the leading supplier to OEM's in a majority of our categories, including general marine accessories, fuel systems, lighting, seat & table hardware, and water systems & ventilation.

## Global Reach

A global distribution network provides convenient access to products when they are needed.

## Industry Standards

Industry involvement ensures products meet industry safety & regulatory standards.

## Trusted Quality

Highest quality products and systems you can trust.



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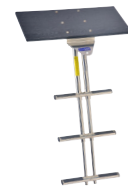
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# WATER SYSTEMS

## Bilge & Aerator Pumps



9

Attwood pumps are tested and approved as standard equipment by leading boat manufacturers. Bilge and aerator pumps are engineered for high performance, easy installation, and meet U.S. and International certificates and standards.

## Sump Pump Boxes



19

Complete shower sump pump systems deliver fast water flow into and out of the sump with easy installation. Meets or exceeds all applicable standards of the ABYC and USCG.

## Pump Kits



21

Aerator and bilge pump kits are crafted to provide convenience, even while you are underway.



# WATER SYSTEMS

## Accessories & Fittings



22

Required accessories and fittings that can be found within our pump kits or sold separately for easy replacement.

## Thru-Hull & Scupper Valve Fittings



24

Backed by Attwood's trusted lifetime warranty, our easy to install thru-hulls and scupper valves are built with rugged stainless steel and a solid silicone gasket.

## Drain & Drain Plugs



29

Durable hardware that you can rely on to provide bilge drainage when hauling out.

## Complete Selection

A complete selection of pumps and blowers are available for fishing boats, runabouts, cruisers, yachts, and commercial boats. Attwood pumps and blowers are tested and approved as standard equipment by leading boat manufacturers.

### Bilge and Aerator Pumps

The Heavy-Duty 1700 and 2000 bilge pumps have established Attwood into the commercial market with value-loaded industrial-duty features and performance.

The Tsunami series of cartridge style bilge and aerator pumps are engineered for higher performance in the most service friendly design imaginable. Their cartridge style allows quick and easy replacement without the need to remove hoses or mounting bases.

### Automatic Bilge Pumps

All boats over 20' long with sleeping accommodations (excluding fold-out cockpit seats) should use automatic bilge pump systems. Non-automatic pumps drawing 12A or less can easily convert to automatic operation with Attwood Automatic Float Switches (page 18).

Our Sahara Series of automatic pumps range from 500 to 1200 GPH capacities.

Bilge pumps are designed to exhaust standing water only. They are not intended to prevent accumulation of on-board water due to rough weather, hull damage, and/or other unsafe navigational conditions. Note: Bilge and aerator pumps must be lower than the source of water for priming.

### Certification, Standards, and Listings - Pumps

All Attwood pumps meet or exceed the following U.S. and international certificates and standards:

- ABYC H-22
- ISO 8846, 8849 Marine
- U.S. Coast Guard Rule, Title 33CFR sections 183.410 and 33CFR 183.425
- NMMA "As Approved Listing"
- CE
- UKCA
- RCA
- All pumps are marine ignition protected

### Choice of Electrical Connectors

Attwood pumps feature several wire attachment styles to adapt to your boat's wiring harness. Standard wire on all pumps are tinned and caulked 16-gauge for butt connection. All pumps ignition protected.

Special connectors are available on special order by contacting your Attwood representative.

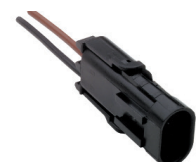
- Packard Connector
- Packard Connector, Water-Resistant
- Amp Connector
- Amp Connector, Water-Resistant
- Deutsch Connector
- Quick Silver Connector
- Delphi Connector



Standard



2-Way Molded (MP1)



Packard Connector

Packard Connector,  
Water-Resistant

Amp Connector

Amp Connector,  
Water-Resistant

Quick Silver Connector



Deutsch Connector



Delphi Connector

Brown – Positive, Black – Negative, Brown & White – Manual Override

# Bilge Pumps



## Automatic Bilge Pumps

Sahara Mk2 is the only automatic bilge pump that eliminates air-locks

- Patented X-Air™ Impeller ejects trapped air in the pump and pipework.

Sahara Mk2 is the easiest automatic bilge pump to install and service

- External mounting feet and integrated outlet reduces time and effort.
- Universal mounting pattern makes replacement simple.
- Service pump cartridge from hard-to-reach areas using only one hand.

Sahara Mk2 is the most reliable automatic bilge pump in freshwater and saltwater applications

- Attwood's SteadySwitch™ reduces cycling and extends the life of the pump.
- 40% better protection against water ingress and electrolysis - vs. Mk1.
- 2X better protection against water ingress and electrolysis - than the leading competition.



### Certifications, Standards and Listings

The Sahara Mk2 Automatic Bilge Pumps meet or exceed the following U.S. and international certificates and standards:

#### Bilge pumps standards

- ABYC H-22
- ISO 8849
- ISO 15083

#### Ignition protection standards

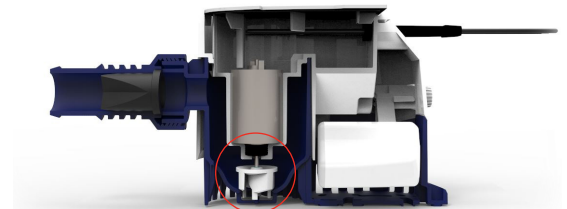
- ABYC C-1500
- ISO 8846 Marine
- U.S. Coast Guard Rule, 33CFR-183.410

#### Marine electrical wiring standards

- ABYC E-11
- ISO 10133
- U.S. Coast Guard Rule, 33CFR-183.425

#### Approvals

- NMMA "As approved listing"
- CE, RCM, UKCA



**Patented X-Air™ Impeller:** Prevents air locking so that the pump will not run dry and burn out.

Model No.	Rated Volts DC	Fuse Size	Outlet Type	Check Valve	OEM Part #	OEM Outlet Straight	OEM Outlet 90°	Part #
S500	12V	3A	3/4" (19mm) & 1" (25mm) Barbs	Yes	—	—	—	5505-7
			3/4" (19mm) Barb	No	5505-2	—	—	
			1-3/8" Threaded*	Optional	5505-1	AS5505S-1	AS5505E-1	—
S800	12V	4A	3/4" (19mm) & 1" (25mm) Barbs	Yes	—	—	—	5508-7
			3/4" (19mm) Barb	No	5508-2	—	—	
			1-3/8" Threaded*	Optional	5508-1	AS5505S-1	AS5505E-1	—
S1200	24V	2A	3/4" (19mm) & 1" (25mm) Barbs	Yes	—	—	—	5509-7
			3/4" (19mm) Barb	No	5509-2	—	—	
			1-3/8" Threaded*	Optional	5509-1	AS5505S-1	AS5505E-1	—
S1200	12V	6A	1" (25mm) & 1-1/8" (28mm) Barbs	Yes	—	—	—	5512-7
			1-1/8" (28mm) Barb	No	5512-2	—	—	
			1-3/8" Threaded*	Optional	5512-1	AS5512S-1	AS5512E-1	—
S1200	24V	2A	1" (25mm) & 1-1/8" (28mm) Barbs	Yes	—	—	—	5513-7
			1-1/8" (28mm) Barb	No	5513-2	—	—	
			1-3/8" Threaded*	Optional	5513-1	AS5512S-1	AS5512E-1	—

Wire Length for all models 29-1/2" (750mm). \*Must be used with appropriate Sahara outlet.



5505



5509



5512

**Service Kits:**

- AK5505-7 for S500 and S800
- AK5512-7 for S1200
- Service kits for Barb versions not available

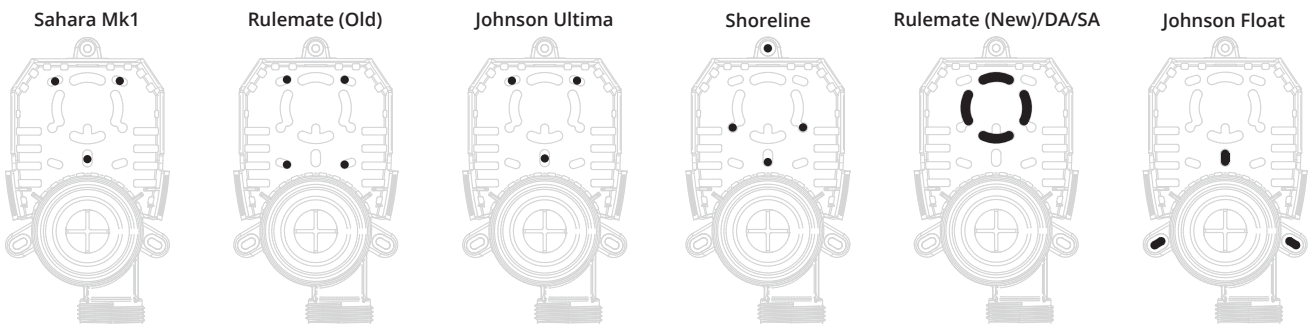
**12 Volt Specifications**

Model	Automotive Fuse Required (amps)	NRV Fitted	ABYC Specifications 13.6-volts DC (GPH=Gallons Per Hour)			ISO Specifications 12.0-volts DC (LPH=Liters Per Hour)			
			0 ft. Head GPH/amps	3.3 ft. Head GPH/amps	6.7 ft. Head GPH/amps	0m Head LPH/amps	1m Head LPH/amps	2m Head LPH/amps	Max Head (ft@13.6V/m@12V)
T500	3	N	457/1.6	219/1.5	25/1.4	1530/1.6	757/1.3	0	5.6/1.5
	3	Y	432/1.6	191/1.5	33/1.5	1368/1.6	577/1.3	0	5.6/1.5
T800	5	N	825/4.0	460/3.6	287/3.4	2314/3.6	2071/3.6	1002/3.2	10.9/2.6
	5	Y	839/3.9	452/3.5	276/3.4	2274/3.6	1596/3.6	882/3.2	10.9/2.6
T1200	6	N	1146/4.0	654/3.8	419/3.5	4140/3.7	2650/3.6	1633/3.2	11.2/2.7
	6	Y	834/4.0	549/3.6	351/3.5	3000/3.7	2000/3.6	1122/3.0	11.2/2.7

**24 Volt Specifications**

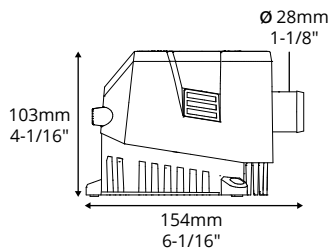
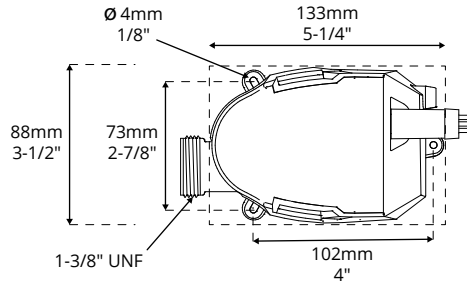
Model	Automotive Fuse Required (amps)	NRV Fitted	ABYC Specifications 27.2-volts DC (GPH=Gallons Per Hour)			ISO Specifications 24.0-volts DC (LPH=Liters Per Hour)			
			0 ft. Head GPH/amps	3.3 ft. Head GPH/amps	6.7 ft. Head GPH/amps	0m Head LPH/amps	1m Head LPH/amps	2m Head LPH/amps	Max Head (ft@27.2V/m@24V)
T800	2	N	835/1.9	468/1.8	299/1.7	2268/1.8	2071/1.8	982/1.6	11/3.3
	2	Y	832/1.9	465/1.8	283/1.7	2228/1.8	2042/1.8	864/1.6	11/3.3
T1200	3	N	1175/2.0	680/2.0	459/1.8	3912/1.7	2650/1.7	1302/1.5	10.7/2.7
	3	Y	862/2.0	593/1.9	372/1.8	2912/1.8	2053/1.7	946/1.5	10.7/2.7

**Mounting Pattern Compatibility**

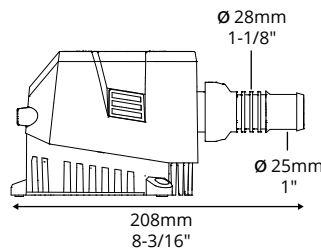




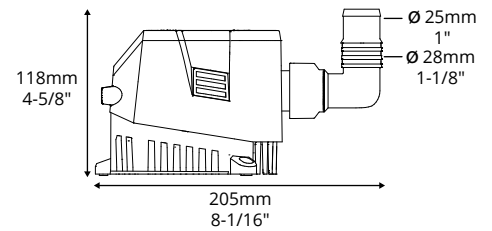
## Bilge Pump Dimensions



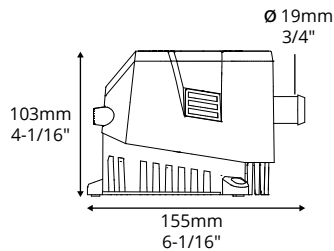
Sahara Mk2 1200 Barb



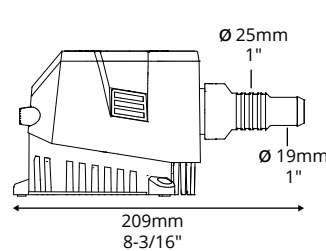
Sahara Mk2 1200 with Outlet - Straight



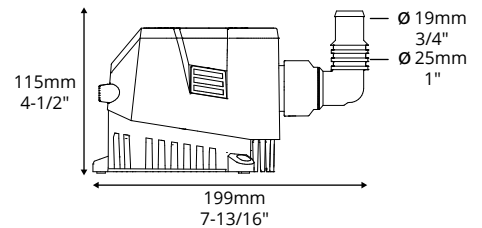
Sahara Mk2 1200 with Outlet - 90° Elbow



Sahara Mk2 500/800 Barb

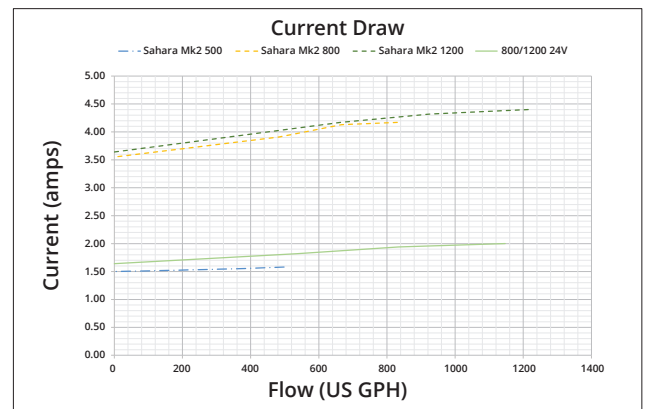
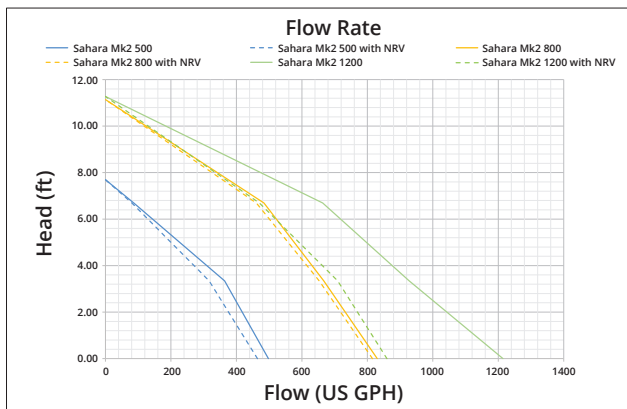


Sahara Mk2 500/800 with Outlet - Straight



Sahara Mk2 500/800 with Outlet - 90° Elbow

## Performance Charts



# Heavy-Duty Bilge Pumps

Integrates the highest quality bearings, brushes, alloys and magnets designed to withstand extreme usage cycles. Pump also employs an exclusive shaft and motor compartment, reducing wear and significantly extending pump life. Advanced resin compositions incorporated into exterior to resist chemicals such as engine oil, aggressive detergents and hose plasticizers. Attwood's Heavy Duty Bilge has unsurpassed durability and efficiency in a compact design to ensure electrical energy is converted to the pump rather than excess heat. This pump is fully submersible.



Tinned and caulked wire improves corrosion-resistance and eliminates water damage

Molded two-wire seal eliminates a potential leak path

Enhanced SS alloy motor shaft resists corrosion and reduces shaft seal degradation

Mechanically energized shaft seal improves pump durability and extends motor life

High-efficiency permanent magnet motor utilizes composite brushes and lubricated bearings to ensure long life under the most aggressive load conditions

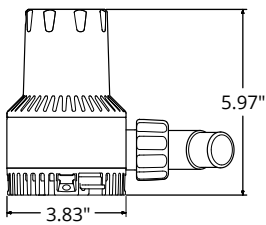
Rugged glass- and mineral-filled polymer components withstand hull pounding, harsh bilge environments plasticizers

Anti-Airlock nozzle exhausts air that causes air lock while preventing spray streams

Rotating outlet provides for improved hose installation

Interior and exterior attachment holes offer multiple mounting options

Locking tab and base swivel feature allow for 8 unique mounting positions



## Specifications

Model No.	Rated Voltage	GPH Output @ Design Voltage 13.6V DC					GPH Output @ Nominal Voltage 12.0V DC					Fuse Size	Hose Size
		Amp Draw	0 ft	3.3 ft	6.7 ft	Max Head	Amp Draw	0 ft	3.3 ft	6.7 ft	Max Head		
HD1700	12V	5.7	1700	1300	950	12 ft	5.1	1500	1100	800	11 ft	10A	1-1/8" I.D.
HD2000	12V	6.6	2000	1600	1230	17 ft	6	1800	1500	1200	16 ft	12A	1-1/8" I.D.
	24V	3.5	2000	1600	1230	17 ft	2.9	1800	1500	1200	16 ft	7A	1-1/8" I.D.

## HD1700 Pump

The perfect upgrade from 1500 GPH rated pumps, especially older, over-rated designs. Delivers a true 1700 GPH at open flow while drawing less than 6A.

Model No.	Rated Voltage	Wire/ Connector	OEM Part #	Part #
HD1700	12V	36" wire	4730-1	4730-4



HD 1700 Pump with Anti-Airlock nozzle

## HD2000 Pump

Attwood's highest capacity bilge pump! Ball-bearing design provides for cooler motor operation and longer life. Delivers over 2000 GPH at open flow while drawing less than 7A.

Model No.	Rated Voltage	Wire/ Connector	OEM Part #	Part #
HD2000	12V	36" wire	4760-1	4760-4
	24V	36" wire	4770-1	4770-4



HD 2000 Pump with Anti-Airlock nozzle



## Manual Bilge Pumps

Tsunami Mk2 is the only manual bilge pump that eliminates air-locks

- Patented X-Air™ Impeller ejects trapped air in the pump and pipework.

Tsunami Mk2 is the easiest manual bilge pump to install and service

- Backwards compatible hole pattern and motor cartridges of Tsunami Mk1 bilge and aerator pumps.
- External mounting feet and integrated outlet reduces time and effort.
- Service pump cartridge from hard-to-reach areas using only one hand.

Tsunami Mk2 is the most reliable manual bilge pump in freshwater applications

- 40% better protection against water ingress and electrolysis - vs. Mk1.



**Single-Hand Pump Cartridge Release:**  
Convenient when trying to access a pump located in a hard-to-reach area of the boat's hull.



**Flexible Outlets:** 90° rotatable elbow outlet allows users to install the pump anywhere in a full 360° orientation.



**Exterior Mounting Feet:**  
Eliminates the need to remove the basket, saving OEMs time on production lines.

### Certifications, Standards and Listings

The Tsunami Mk2 Manual Bilge Pumps meet or exceed the following U.S. and international certificates and standards:

#### Bilge pumps standards

- ABYC H-22
- ISO 8849
- ISO 15083

#### Marine electrical wiring standards

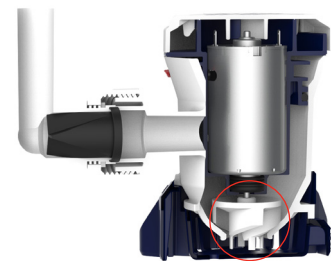
- ABYC E-11
- ISO 10133
- U.S. Coast Guard Rule, 33CFR-183.425

#### Ignition protection standards

- ISO 8846 Marine

#### Approvals

- NMMA "As approved listing"
- CE, RCM, UKCA



**Patented X-Air™ Impeller:**  
Prevents air locking so that the pump will not run dry and burn out.

Model No.	Rated Volts DC	Fuse Size	Outlet Type	Check Valve	OEM Part #	OEM Outlet Straight	OEM Outlet 90°	Part #
T500	12V	3A	3/4" (19mm) & 1" (25mm) Barbs	Y	—	—	—	5606-7
	12V	3A	3/4" (19mm) Barb	N	5606B-1	—	—	—
	12V	3A	1-3/8" Threaded*	Optional	5606-1	AS5605S-1	AS5605E-1	—
T800	12V	5A	3/4" (19mm) & 1" (25mm) Barbs	Y	—	—	—	5608-7
	12V	5A	3/4" (19mm) Barb	N	5608B-1	—	—	—
	12V	5A	1-3/8" Threaded*	Optional	5608-1	AS5605S-1	AS5605E-1	—
T800	24V	2A	3/4" (19mm) & 1" (25mm) Barbs	Y	—	—	—	5609-7
	24V	2A	3/4" (19mm) Barb	N	5609B-1	—	—	—
	24V	2A	1-3/8" Threaded*	Optional	5609-1	AS5605S-1	AS5605E-1	—
T1200	12V	6A	1" (25mm) & 1-1/8" (28mm) Barbs	Y	—	—	—	5612-7
	12V	6A	1-1/8" (28mm) Barb	N	5612B-1	—	—	—
	12V	6A	1-3/8" Threaded*	Optional	5612-1	AS5612S-1	AS5612E-1	—
T1200	24V	3A	1" (25mm) & 1-1/8" (28mm) Barbs	Y	—	—	—	5613-7
	24V	3A	1-1/8" (28mm) Barb	N	5613B-1	—	—	—
	24V	3A	1-3/8" Threaded*	Optional	5613-1	AS5612S-1	AS5612E-1	—
<b>Tsunami Mk2 Bilge Replacement Motor Cartridges</b>								
T500	12V							5620-6
T800	12V							5622-6
T1200	12V							5624-6

Wire Length for all models 29" (735mm). \*Must be used with appropriate Tsunami outlet.

**Service Kits:**

- AK5605-7 for T500 and T800
- AK5612-7 for T1200
- Service kits for Barb versions not available



5606



5608



5612

**12 Volt Specifications**

Model	Automotive Fuse Required (amps)	NRV Fitted	ABYC Specifications 13.6-volts DC (GPH=Gallons Per Hour)			ISO Specifications 12.0-volts DC (LPH=Liters Per Hour)			
			0 ft. Head GPH/amps	3.3 ft. Head GPH/amps	6.7 ft. Head GPH/amps	0m Head LPH/amps	1m Head LPH/amps	2m Head LPH/amps	Max Head (ft@13.6V/m@12V)
T500	3	N	536/1.7	334/2.2	200/2.1	1818/1.5	1156/1.5	0	7.6/1.8
	3	Y	510/1.8	311/2.2	186/2.1	1692/1.5	1116/1.5	0	7.6/1.8
T800	4	N	796/3.1	503/3.6	356/3.4	2682/2.6	2246/2.6	1554/2.6	14.2/3.5
	4	Y	747/3.2	482/3.5	341/3.3	2544/2.6	2076/2.6	1440/2.6	14.2/3.5
T1200	5	N	1155/3.9	789/4.5	565/4.3	4002/3.3	3007/3.4	1764/3.2	11.8/2.9
	5	Y	903/4.0	659/4.4	464/4.2	3124/3.4	2356/3.3	1364/3.0	11.8/2.9

**24 Volt Specifications**

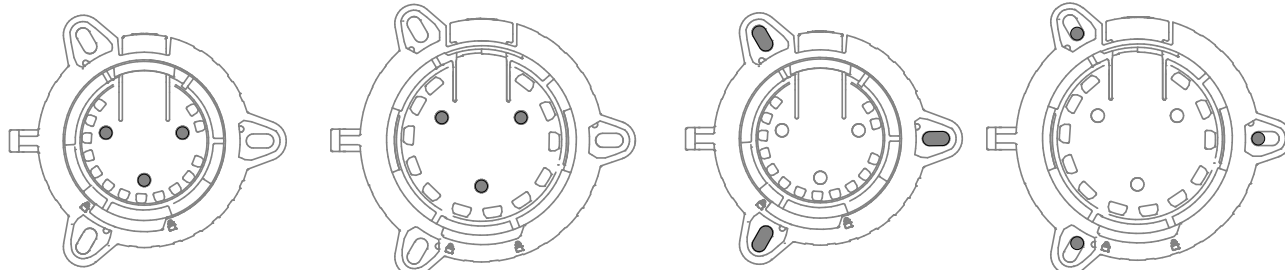
Model	Automotive Fuse Required (amps)	NRV Fitted	ABYC Specifications 27.2-volts DC (GPH=Gallons Per Hour)			ISO Specifications 24.0-volts DC (LPH=Liters Per Hour)			
			0 ft. Head GPH/amps	3.3 ft. Head GPH/amps	6.7 ft. Head GPH/amps	0m Head LPH/amps	1m Head LPH/amps	2m Head LPH/amps	Max Head (ft@27.2V/m@24V)
T800	2	N	802/1.5	472/1.5	340/1.4	3036/1.5	2262/1.6	1977/1.5	14.8/3.5
	2	Y	737/1.6	454/1.5	322/1.4	2532/1.3	2046/1.3	1464/1.2	14.8/3.5
T1200	2	N	1106/1.8	698/1.9	474/1.8	3816/1.5	2817/1.5	1479/1.4	11.1/2.7
	2	Y	859/1.9	602/1.8	384/1.7	2946/1.6	2223/1.5	1203/1.4	11.1/2.7

**Mounting Pattern Compatibility**

Tsunami Mk1 500

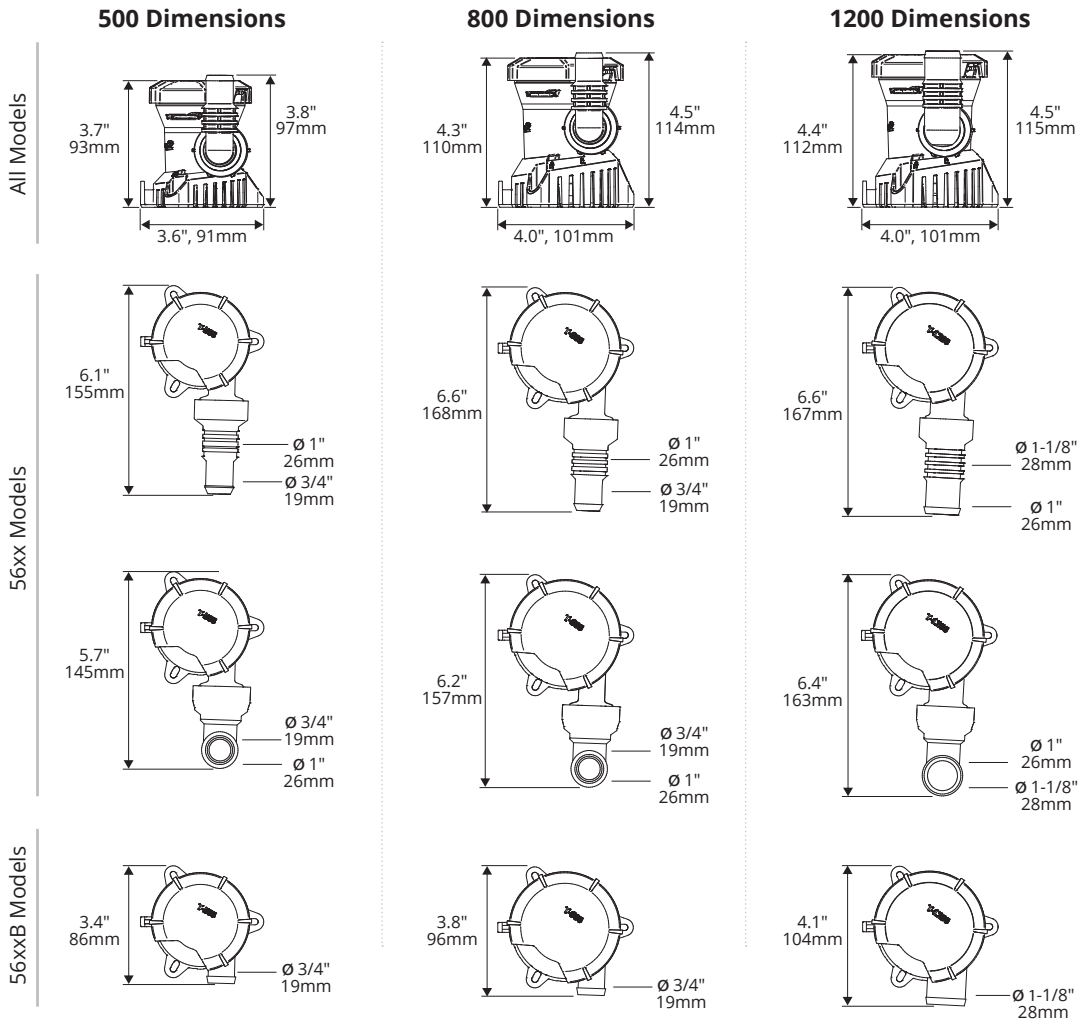
Tsunami Mk1 800 / 1200

Johnson L Series

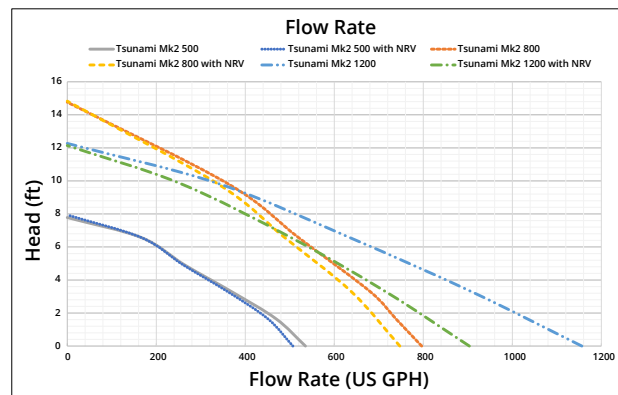
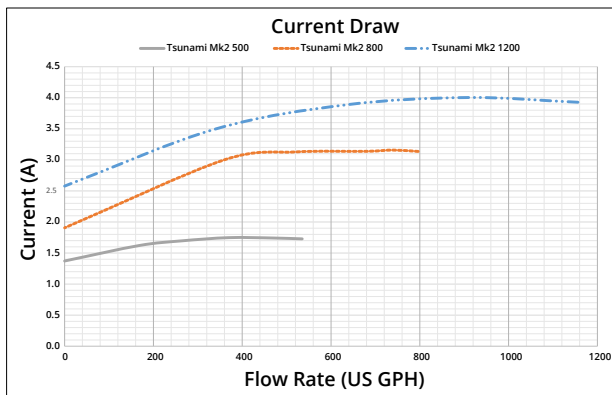




## Bilge Pump Dimensions



## Performance Charts



# Aerator Pumps

## Tsunami Mk2 Aerator Pumps

Keep your bait and fish alive with the new Tsunami Aerator Mk2. Our leading fish-friendly technology is even easier to install and service, cutting costs for both suppliers and end users.

### Flexible Installation

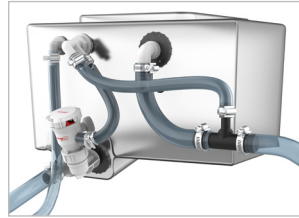
- Both 90 and straight inlets and outlets

### Full Backwards Compatibility

- With previous Tsunami models

### Faster, Smarter Installation

- With no sealant or tools required



### Certifications, Standards and Listings

The Tsunami Mk2 pumps meet or exceed the following U.S. and international standards:

#### IP Rating:

- IP68

#### Ignition protection standards

- ISO 8846 Marine

#### Marine electrical wiring standards

- ABYC E-11
- ISO 10133

#### Approvals

- NMMA "As approved listing"  
500 Aerator (2619644),  
800 Aerator (2619645),  
1200 Aerator (2619646)
- CE, RCM, UKCA

Model	Inlet Style	Inlet Length & Diameter	Application	OEM Part #	OEM Outlet Straight	OEM Outlet 90°	Part #
<b>Tsunami Aerator Mk2 Pumps</b>							
T500	Straight	3-1/2" L x 3/4"	Thru-Hull	5640-1	AS5605SS-1 (3/4" barb)	AS5605ES-1 (3/4" barb)	5640-4
		1-1/2" L x 3/4"	Thru-Hull	5641-1	—	—	—
	Elbow	7/8" L x 3/4"	Seacock	5643-1	AS5605QLS-1 (3/4" Qwik-Lok™)	AS5605QLE-1 (3/4" Qwik-Lok™)	5643-4
T800	Straight	3-1/2" L x 3/4"	Thru-Hull	5644-1	—	—	5644-4
		1-1/2" L x 3/4"	Thru-Hull	5650-1	AS5605SS-1 (3/4" barb)	AS5605ES-1 (3/4" barb)	5650-4
	Elbow	7/8" L x 3/4"	Seacock	5653-1	AS5605QLS-1 (3/4" Qwik-Lok™)	AS5605QLE-1 (3/4" Qwik-Lok™)	5653-4
T1200	Straight	3-1/2" L x 1-1/8"	Thru-Hull	5654-1	—	—	5654-4
		1-1/2" L x 1-1/8"	Thru-Hull	5660-1	AS5612SS-1 (1-1/8" barb)	AS5612ES-1 (1-1/8" barb)	5660-4
	Elbow	7/8" L x 1"	Seacock	5661-1	AS5605QLS-1 (3/4" Qwik-Lok™)	AS5605QLE-1 (3/4" Qwik-Lok™)	5661-4
<b>Tsunami Mk2 Aerator Replacement Motor Cartridges</b>							
T500	—	—	—	—	—	—	5620-6
T800	—	—	—	—	—	—	5622-6
T1200	—	—	—	—	—	—	5624-6

All models are 12 volt D.C. with wire length of 29" (735mm). Second outlet thread 1/2" NPT Female.

### Service Kits:

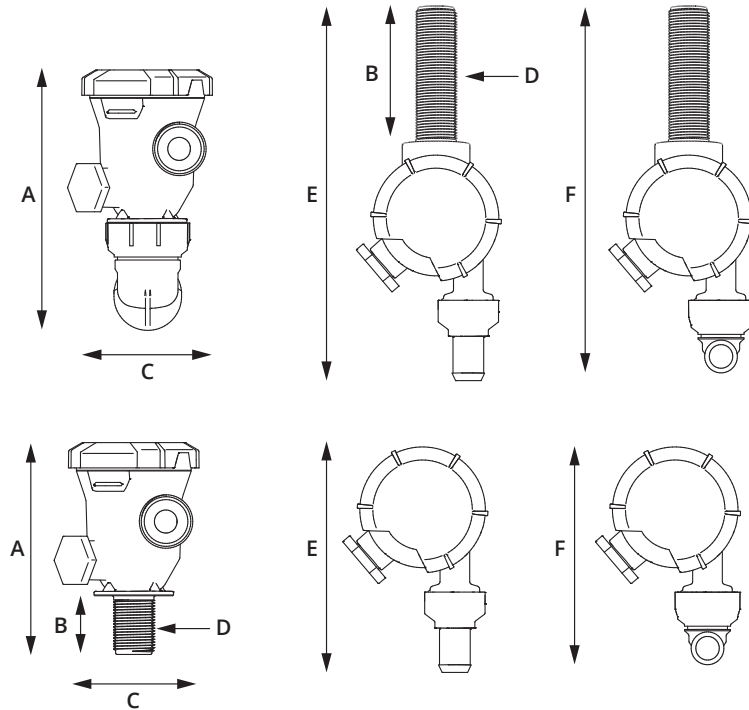
- AK5605S-7 for T500 and T800, Straight and Elbow short 3/4" outlets with Washer
- AK5612S-7 for T1200, Straight and Elbow short 1-1/8" outlets with Washer
- AK5670-7 for all models, second outlets, Straights and Elbows 1/2", 3-4" & 1"

### Specifications

Model	Hole Saw Size	Amp Fuse	Outlet Diameter	ABYC Specifications 13.6-volts DC (GPH=Gallons Per Hour)			ISO Specifications 12.0-volts DC (LPH=Liters Per Hour)		
				0 ft. Head GPH/amps	3.3 ft. Head GPH/amps	6.7 ft. Head GPH/amps	0m Head LPH/amps	1m Head LPH/amps	Max Head (ft. @ 13.6V/m @ 12V)
564X / T500	1-1/8"	3A	3/4" barb	507 / 1.6	319 / 1.7	192 / 1.6	1764 / 1.4	1182 / 1.4	10.4 / 2.6
565X / T800	1-1/8"	4A	3/4" barb	793 / 3	498 / 2.9	371 / 2.9	2694 / 2.5	2142 / 2.5	17.4 / 4.2
566X / T1200	1-3/8"	5A	1-1/8" barb	1143 / 3.9	748 / 3.9	527 / 3.8	3912 / 3.3	3282 / 3.3	14.8 / 3.8

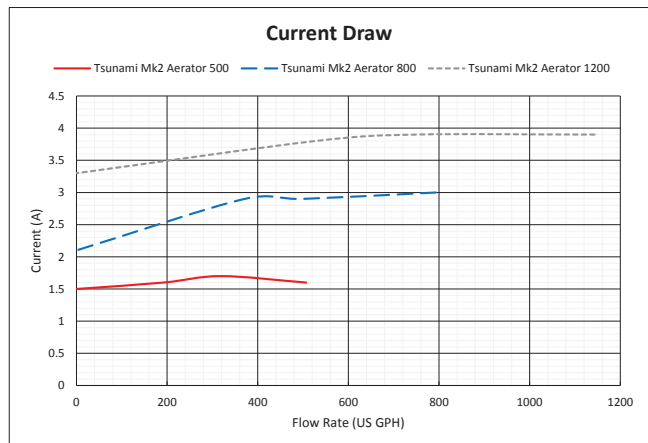
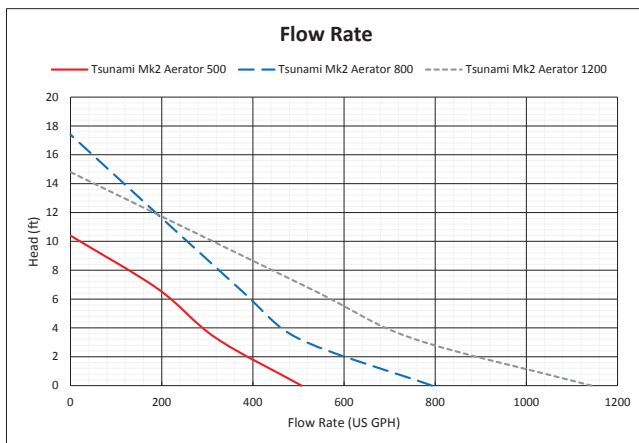


### Aerator Pump Dimensions



Model	Product Code	A	B	C	D	E	F
500	Long 5640	6.8" 172 mm	3.5" 88 mm	3.4" 86 mm	3/4 NPS	5.3" 134 mm	5.1" 129 mm
	Short 5641	4.8" 122 mm	1.5" 38 mm	3.4" 86 mm	3/4 NPS	5.3" 134 mm	5.1" 129 mm
	Seacock 5643	4.2" 106 mm	0.85" 21.6 mm	3.4" 86 mm	3/4 NPT	5.3" 134 mm	5.1" 129 mm
	Elbow 5644	6.1" 154 mm	3.5" 88 mm	3.4" 86 mm	3/4 NPS	9.3" 235 mm	9.1" 231 mm
800	Long 5650	7.4" 188 mm	3.5" 88 mm	3.7" 94 mm	3/4 NPS	5.8" 147 mm	5.6" 142 mm
	Short 5651	5.5" 138 mm	1.5" 38 mm	3.7" 94 mm	3/4 NPS	5.8" 147 mm	5.6" 142 mm
	Seacock 5653	4.8" 122 mm	0.85" 21.6 mm	3.7" 94 mm	3/4 NPT	5.8" 147 mm	5.6" 142 mm
	Elbow 5654	6.7" 170 mm	3.5" 88 mm	3.7" 94 mm	3/4 NPS	9.6" 244 mm	9.4" 239 mm
1200	Long 5660	7.5" 190 mm	3.5" 88 mm	3.8" 95 mm	1-3/8" UNF	5.5" 140 mm	5.8" 146 mm
	Short 5661	5.5" 140 mm	1.5" 38 mm	3.8" 95 mm	1-3/8" UNF	5.5" 140 mm	5.8" 146 mm
	Seacock 5663	4.9" 125 mm	0.9" 23 mm	3.8" 95 mm	1" NPT	5.5" 140 mm	5.8" 146 mm
	Elbow 5664	6.9" 175 mm	3.5" 88 mm	3.8" 95 mm	1-3/8" UNF	9.4" 238 mm	9.5" 242 mm

### Performance Charts



# Bilge & Float Switches

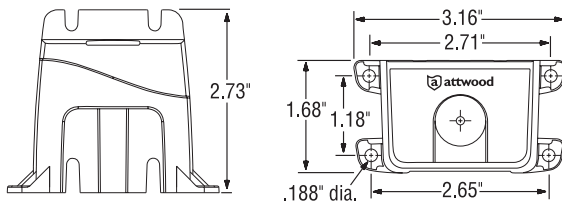
## S3 Series Automatic Bilge Switches

Incorporates a proprietary Electronic Sensing technology to detect bilge water levels and trigger pump activation and has been engineered to operate in any bilge water mixture consistently without failure. Your pump won't be exposed to continuous cycling as the S3 switch can easily distinguish splashing bilge water, chemicals, sludge build up or foam, and comes equipped with fully sealed electronics that are completely protected from water or chemical damage. For added convenience, the bilge switch can be mounted on the floor of the bilge, directly to a stringer wall, or alongside the basket of the pump without added components or brackets. The S3 Series switch is also directly compatible with all competitive products and free of moving parts that can jam up, break or wear out over time. Marine ignition protected and RoHS compliant.



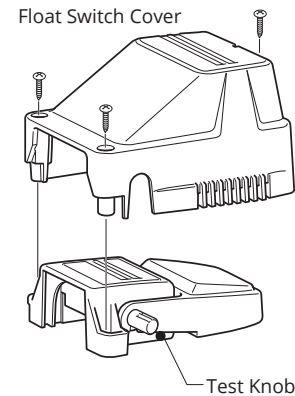
4801

Description	Max. Pump Amp Draw	Rated Voltage	Wire	OEM Part #	Part #
Switch, White	15A	12V	36" wire	4801-1	4801-7



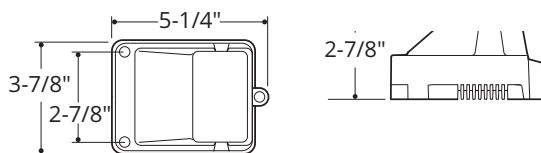
## Automatic Float Switches

Converts bilge pumps to fully automatic operation. Maximum amp draw is 12A (at 12V DC) or 6A (at 24V DC). Features a compact, low-profile design that mounts on any surface from horizontal up to a 24° angle. Incorporates a reliable and affordable mechanical switch that actuates pump motor at 2" water level. Wire leads do not flex or hinge with the float as on some competitive models. Integral cover dampens bilge sloshing to reduce pump cycling, and prevents debris interference. Sealed switch mechanism resists moisture, fume-ignition, and electrical shock. Contains no mercury, which is listed as a health hazard and "Persistent Toxic Substance" in over 26 states. Marine ignition protected and RoHS compliant.



### Float Switch with Cover

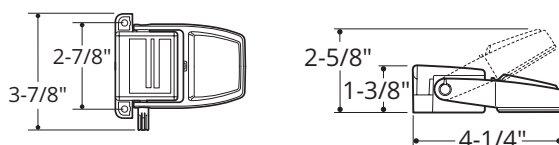
Description	Rated Voltage	Wire/Connector	OEM Part #	Part #
Float switch with cover	12V and 24V CE rated	36" wire	4201-1	4201-7



4201

### Float Switch

Description	Rated Voltage	Wire/Connector	OEM Part #	Part #
Float switch	12V and 24V CE rated	36" wire	4202-1	4202-7



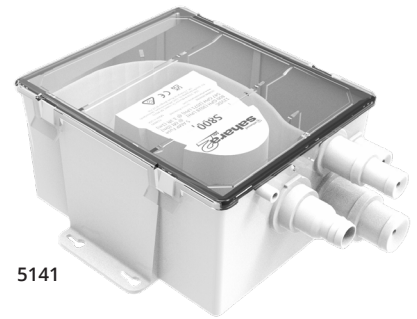
4202

# Sump Boxes

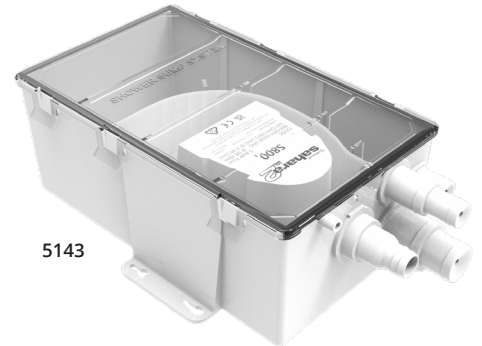
## Shower Sump Pump Systems Mk2 **NEW**

Attwood's shower sump systems deliver the performance you've been asking for. Choose from standard box or large box sizes. Offering fast water flow into and out of sump. The lid snaps in to allow quick installation (and removal for cleaning) and includes a gasket to seal the sump box against overflow. The sump box even includes an air vent to prevent air locks. Meets or exceeds all applicable standards of the ABYC and USCG.

Model No.	Rated Voltage	Fuse Size	Outlet Hose Size	Wire/ Connector	Box Size	OEM Part #	Part #
500 GPH	12V	3A	3/4" I.D.	22" wire	Standard	5141-1	5141-4
800 GPH	12V	5A	3/4" I.D.	22" wire	Standard	5142-1	—
800 GPH	12V	5A	3/4" I.D.	22" wire	Large	5143-1	5143-4
800 GPH	24V	2A	3/4" I.D.	22" wire	Large	5144-1	—
800 GPH	24V	2A	3/4" I.D.	22" wire	Standard	5145-1	—
Lid					Standard	—	AK5141-4
Lid					Large	—	AK5143-4



5141

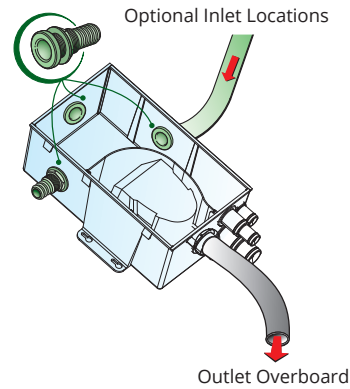
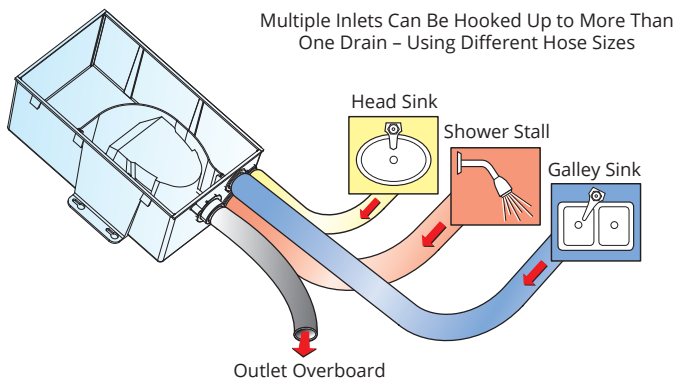


5143

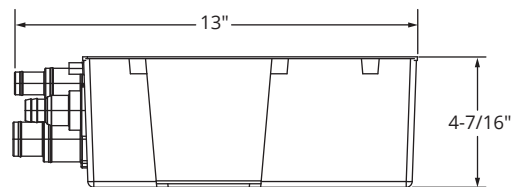
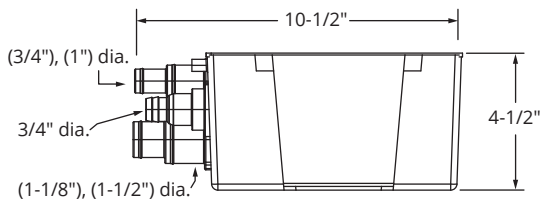
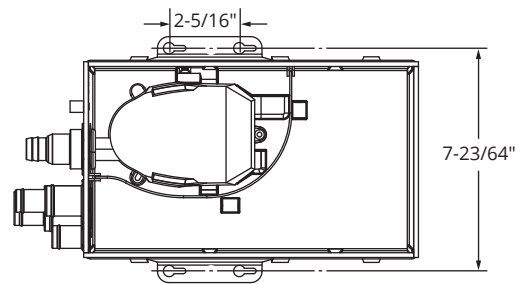
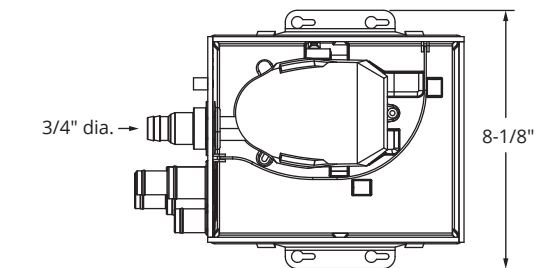
### Output Ratings

Model	Amp Draw	GPH Output @ Design Voltage 13.6V DC			GPH Output @ Nominal Voltage 12.0V DC		
		0 ft	3.3 ft	6.7 ft	0 ft	3.3 ft	6.7 ft
500 GPH	1.4	420	360	215	385	290	130
800 GPH	2.5	650	500	385	570	420	290

Performance for 24V version is the same (Uses 2 Amp Fuses)



### Shower Sump Pump Systems Dimensions



Standard Box

Large Box

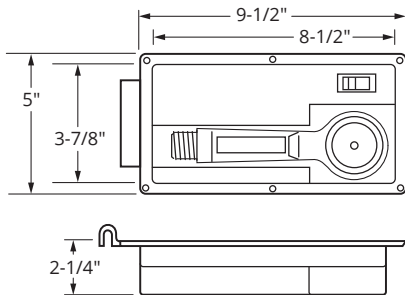
## Shower Systems



### Hot/Cold Aft-Deck Shower

Install flush in the transom or under the gunwale. Includes hinged cover and replaceable sprayer head. Fixtures are corrosion-resistant. Housing and cover are made of high-impact, UV resistant, engineering-grade plastic and are pre-drilled for six #8 fasteners. Comes with 6' hose, shut-off, and hot/cold mixing controls. Connects to freshwater system for showering.

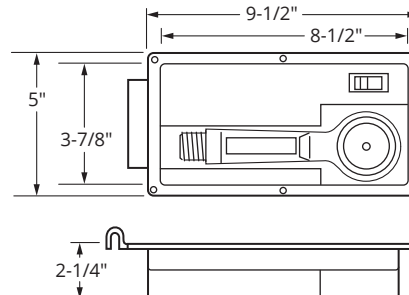
OEM Part #	Part #
4131-1	4131-4



### Cold Water Shower

Install flush in the transom or under the gunwale. Includes hinged cover and replaceable sprayer head. Fixtures are corrosion-resistant. Housing and cover are made of high-impact, UV resistant, engineering-grade plastic and are pre-drilled for six #8 fasteners. Hand-held shower sprayer with 6' hose and shut-off. Connects to freshwater system or self-priming wash-down pump for showering after swimming. Built-in on/off switch for pump.

OEM Part #	Part #
4133-1	—



## Battery & Hand Operated Pumps

### WaterBuster® Portable Pump

This submersible pump is a great way to remove unwanted water from boats, pool covers, aquariums and sump pits. Convenient and safe because it needs no electrical cord — runs up to five hours on three alkaline "D" batteries. Excellent for use as a portable pump-out device for paddle boats, inflatables, duck boats, dingies or kayaks, any craft that lacks a hard-wire, permanent electrical system.

- 6-3/8" high x 5-1/4" diameter
- Pumps up to 200 gallons per hour
- Includes 42" hose with garden hose adapter for adding longer hose
- Lifts water to height of 40"

Note: Not to be used as a permanent bilge pump

GPH Open Flow	GPH 2 ft Head †	OEM Part #	Part #
200	125	—	4140-4

† 4 ft maximum head

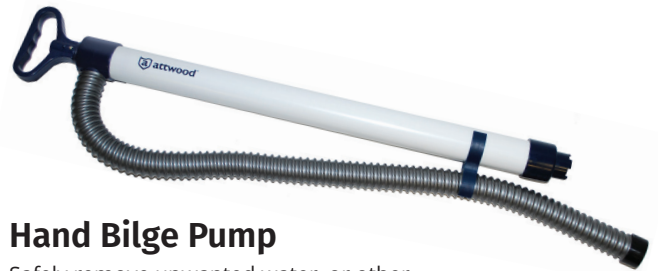




### Kayak Hand Bilge Pump

Safely remove unwanted water, or other liquids, from kayaks and other small boats. 18".

OEM Part #	Part #
—	11595-2



### Hand Bilge Pump

Safely remove unwanted water, or other liquids, from small boats. 24", 32" Hose.

OEM Part #	Part #
—	11596-2

## Pump Kits & Accessories

### Tsunami Mk2 Recirc Aerator Kit

The Tsunami Recirc Kit recirculates livewell water to keep it cooler and rich in oxygen. This self-contained system feeds a separate aerator spray head and works even while you are underway and cannot use a thru-hull connection. Add this kit to any tank that already has a freshwater fill system. Or use as a backup pump for a fail-safe system.

**Recirc Kit includes:**

- (1) 500 GPH Tsunami aerator pump with short inlet, threaded outlet
- (1) 4125-1 aerator spray head
- (1) 4232-1 Stainless Steel strainer
- (2) Plastic hose clamps
- (1) 3/4" diameter x 23" long poly hose
- (1) Straight thread-to-barb connector



5253

OEM Part #	Part #
—	5253-4

### Tsunami Mk2 Bilge Pump Installation Kits

Complete kit to install manual bilge pump with 3/4" I.D. hose outlet.

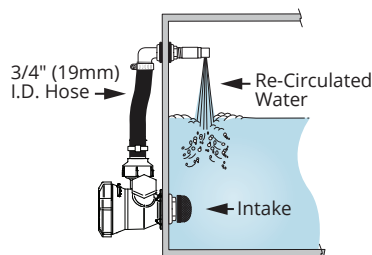
- (1) 2-way on/off switch with bezel plate
- (1) 3/4" I.D. x 5' corrugated hose
- (1) Thru-hull fitting for 3/4" I.D.
- (2) Snap-It hose clamps
- (1) 2-conductor 16-gauge wire, 20' long
- (1) In-line fuse holder with 2A fuse

Caution: Bilge pump switches are not external ignition protected.



4116

Description	Hose Size	OEM Part #	Part #
Complete kit (without pump)	3/4" I.D.	—	4116-5
Complete kit with Tsunami Mk2 T-500 bilge pump	3/4" I.D.	—	5614-7
6' hose with (2) clamps	3/4" I.D.	—	4199-7
6' hose only	1-1/8" I.D.	—	11551-5



5614

## Bilge Switches

- On/off switch with bezel plate

Description	Part #
Bilge Switch 2-way	7615-3
Bilge Switch 3-way	7615A3

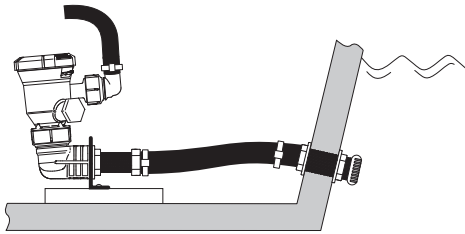


7615

## Aerator Remote Mounting Brackets

For mounting the aerator pump to a base, away from the transom.

Description	OEM Part #	Part #
1-1/8" Aerator remote mounting bracket	4121-1	4121-3
3/4" Aerator remote mounting bracket	4122-1	4122-3



4121

4122

## Aerator Spray Heads

For use on livewells that have built-in overflows or recirculating systems.

### Adjustable Spray Heads

Mounts on sides of tank. 90° fitting for installation in tight spaces. Rotating head with O-ring adjusts and maintains flow setting. Removable head has an "interference-fit thread design" that will not allow it to vibrate or blow out. Polypropylene construction. Can be installed on tanks with up to 5/8" wall thickness.



4125

### Non-Adjustable Spray Heads

Multi-port spray maximizes oxygen level in the livewell. Constructed of ABS plastic. Double Valve Spray Head - Allows aerating options - one end can be used for freshwater fill, the other end with a recirculating pump. Single Valve Spray Head - For output from an aerator pump into the livewell.



4123

Description	Hose I.D.	OEM Part #	Part #
<b>Adjustable Spray Heads</b>			
Aerator spray head	3/4"	4125-1	4125-7
Aerator spray head w/male connector for Flow-Rite™ Qwik-Lok™ Coupler 3	3/4"	4123-1	—
<b>Non-Adjustable Spray Heads</b>			
Aerator spray head, single valve	3/4"	4118A1	4118A5



4118A

## Check Tees

These check tees replace additional connections for RV and marine hookups, providing a combination check valve and tee that allows water to flow in from the dockside connection without filling the tank. Constructed of ABS plastic.

### Combination Barbed Fitting

Inlet and outlet both have combination fittings: Comes with 3/8" barbs that can be removed to accommodate 1/4" NPT fitting, 1/2" NPT fitting for dockside water connection.

Description	OEM Part #	Part #
Combination barbed fitting	6115-1	—



6115

# Plumbing System Fittings



## Snap-It Hose Clamps

Use on bilge pumps and shower sump systems. Corrosion-resistant plastic.

Note: Clamps are intended for water and waste system hoses only.

Hose O.D.	Hose I.D.	OEM Part #	Part #
7/8" to 1"	3/4"	9185J1	—



## Tees

Three-way 90° fitting. Acetal construction.

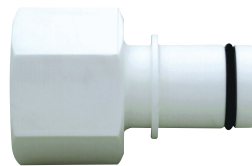
Hose I.D.	OEM Part #	Part #
3/4"	3892-1	—



## Thread-to-Barb Connector

Barbed end accommodates 3/4" I.D. hose. 3/4"-14 NPSM and 3/4" I.D. hose fitting. Threaded end fits 3888 drain fitting, A-Series aerator pump outlets and Tsunami threaded outlets. Acetal construction.

Use With	OEM Part #	Part #
500-800 GPH pumps	3899-1	3899-3



## Thread-to-Flow-Rite™ Quick-Lok™ Connector

Barbed end accommodates 3/4" I.D. Threaded end fits 3888 drain fitting, A-Series aerator pump outlets and Tsunami threaded outlets. Acetal construction.

Use With	OEM Part #	Part #
500-800 GPH pumps	3909-1	—



## 90° Thread-to-Barb Connector

Threaded female end fits 3888 drain fitting, Tsunami 46xx series aerator and bilge pump outlets and Tsunami Aerator Mk2 inlets. Barbed end accommodates 3/4" I.D. hose. Acetal construction. For 3/4"-14 threads and 3/4" I.D. hose.

Use With	OEM Part #	Part #
500-800 GPH pumps	3890-1	3890-3



## 90° Thread-to-Flow-Rite™ Quick-Lok™ Connector

Threaded female end fits 3888 drain fitting, Tsunami 46xx series aerator and bilge pump outlets and Tsunami Aerator Mk2 inlets. Male end accommodates Flow Rate™ Qwik-Lok™ Coupler.

Use With	OEM Part #	Part #
500-800 GPH pumps	3900-1	—

# Stainless Steel Thru-Hulls & Scupper Valve Fittings

Polish your image with these beautiful, durable stainless steel fittings. Each Thru-Hull and Scupper Valve is available with a new silicone gasket and are backed by Attwood's trusted Lifetime Warranty! Why specify plastic parts when these fittings will last the life of the boat?

## Rugged Stainless Construction

- Cast from certified Enhanced 316 Stainless Steel alloy for strength and lifetime corrosion-resistance
- We polish all visible areas to a mirror finish, then passivate each part for additional protection
- Thick steel sidewalls withstand continual stress and hose flexing

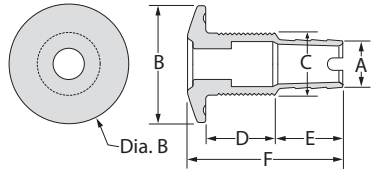
## Faster, Simpler Installation

- A channel under the flange holds a bead of sealant, making it easier to apply a trouble-free seal
- All models have wrench flats or an end notch to hold as a gripping surface. One installer can tighten all connections from inside the hull
- Barbed tail ends provide plenty of room to hold multiple clamps

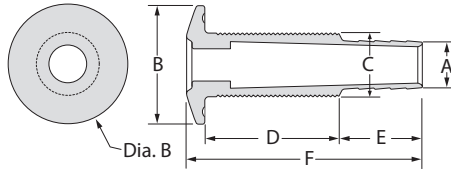
## Stainless Steel Straight Thru-Hulls, Barbed

- Standard Thread model has full-length thread for thick hulls and easy tightening
- Short Thread is a more compact size. Allows installation near corners and in confined areas.

Caution: Stainless Steel Scupper Valves are designed for installation above the water line only.



Short Length

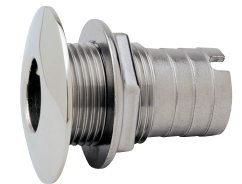


Standard Length

A Hose Size	B Flange Dia.	C Thread O.D.	D Thread Length	E Barb Length	F Total Length	Install. Hole Saw Size	Thread NPSM	Max Hull Thick.	OEM Part # without Gasket	Part #
<b>Short Length</b>										
5/8" I.D.	1-7/8"	1"	1"	1"	2-1/4"	1-1/8"	3/4"	5/8"	66540-1	66540-3
3/4" I.D.	1-7/8"	1"	1"	1"	2-1/2"	1-1/8"	3/4"	5/8"	66541-1	66541-3
1" I.D.	2-1/4"	1-3/8"	1-1/8"	1"	2-1/2"	1-1/2"	1"	5/8"	66542-1	66542-3
1-1/8" I.D.	2-1/4"	1-3/8"	1-1/4"	1"	2-1/2"	1-1/2"	1"	5/8"	66543-1	66543-3
1-1/4" I.D.	2-1/4"	1-5/8"	1-1/4"	1"	2-5/8"	1-3/4"	1-1/4"	5/8"	66544-1	66544-3
1-1/2" I.D.	3"	1-7/8"	1-1/4"	1-1/2"	3-1/8"	2"	1-1/2"	5/8"	66545-1	66545-3
<b>Standard Length</b>										
5/8" I.D.	1-7/8"	1"	2"	1-1/4"	3-3/4"	1-1/8"	3/4"	1-1/16"	66546-1	66546-3
3/4" I.D.	1-7/8"	1"	2"	1-1/4"	3-3/4"	1-1/8"	3/4"	1-5/8"	66547-1	66547-3
1" I.D.	2-1/4"	1-3/8"	2-1/4"	1-1/4"	3-7/8"	1-1/2"	1"	1-3/4"	66548-1	66548-3
1-1/8" I.D.	2-1/4"	1-3/8"	2-3/8"	1-1/4"	3-7/8"	1-1/4"	1"	1-3/4"	66549-1	66549-3
1-1/4" I.D.	2-1/4"	1-5/8"	2-1/2"	1-1/4"	4-1/4"	1-3/4"	1-1/4"	1-7/8"	66550-1	66550-3
1-1/2" I.D.	3"	1-7/8"	2-1/2"	1-1/4"	4-1/8"	2"	1-1/2"	1-7/8"	66551-1	66551-3
2" I.D.	3"	2-3/8"	2-1/2"	1-3/4"	4-5/8"	2-1/2"	1-1/2"	2"	66552-1	—



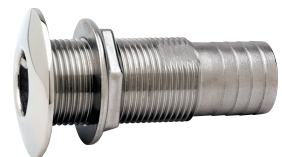
66540G



66542



66546G

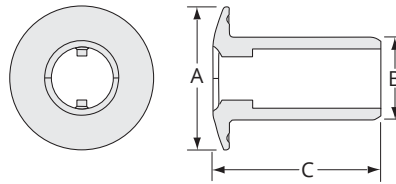


66548

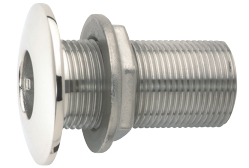
### Stainless Steel Straight Thru-Hulls, Threaded

- Unique multi-thread design with NPSM and NPT threads
- Offer generous thread length
- Allows for direct connection to seacocks or pipes

Caution: Stainless Steel Thru-Hull Connectors are designed for installation above the water line only.



A Flange Dia.	B Thread O.D.	C Total Length	Installation Hole Saw Size	Threads NPSM	Max Hull Thickness	OEM Part # without Gasket	Part #
1-7/8"	2-1/8"	2-1/2"	1-1/8"	3/4"	1-5/8"	66559-1	—
2-1/4"	2-1/4"	2-5/8"	1-3/8"	1"	1-3/4"	66561-1	—
3"	2-3/8"	2-3/4"	2"	1-1/2"	1-7/8"	66563-1	—



66559

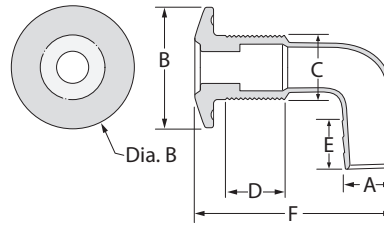


66558G

### Stainless Steel 90° Thru-Hulls, Barbed

Allows installation in especially tight spaces.

Caution: Stainless Steel Thru-Hull Connectors are designed for installation above the water line only.



A Hose Size	B Flange Dia.	C Thread O.D.	D Thread Length	E Barb Length	F Total Length	Install. Hole Saw Size	Thread NPSM	Max Hull Thick.	OEM Part # without Gasket	Part #
3/4" I.D.	1-7/8"	1"	1-1/2"	3/4"	3-3/8"	1-1/4"	3/4"	1-1/16"	66577-1	—
1-1/8" I.D.	2-1/4"	1-3/8"	1-7/8"	3/4"	4-3/8"	1-5/8"	1"	1-1/4"	66579-1	—

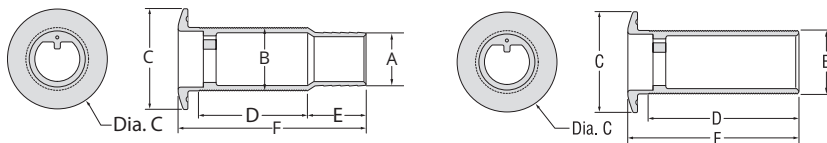


66577

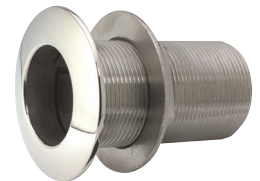
### Stainless Steel Scupper Valves

- The Scupper Flap is tough neoprene rubber with a molded V that fits into the grooved body to reduce backwash
- Fasteners are concealed and corrosion-proof
- Enhanced 316 Stainless Steel Alloy

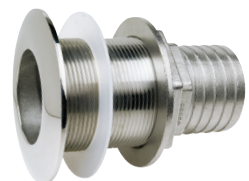
Caution: Stainless Steel Scupper Valves are designed for installation above the water line only.



A Hose Size	B Thread Dia.	C Flange O.D.	D Thread Length	E Barb Length	F Total Length	Install. Hole Saw Size	Thread NPSM	Max Hull Thick.	OEM Part # without Gasket	Part #	
<b>Threaded</b>											
—	1-7/8"	3"	3-1/2"	—	3-7/8"	2"	1-1/2"	3"	66565-1	—	
—	2-23/64"	3-5/8"	2-1/2"	—	2-7/8"	2-1/2"	2"	2"	66567-1	—	
<b>Barbed</b>											
1-1/2"	1-7/8"	3"	3-1/2"	1-1/2"	5-1/2"	2"	1-1/2"	3"	66553-1	66553-3	
2"	2-23/64"	3-5/8"	2-1/2"	1-5/16"	4-1/2"	2-1/2"	2"	2"	66555-1	—	
1-1/2"	3"	1-7/8"	2-1/4"	1-1/2"	4-1/2"	2"	1-1/2"	1-3/4"	66557-1	—	
<b>Valve Accessories</b>									<b>BULK</b>		
Replacement Flappers for 1-1/2"									66553Kit		—
Replacement Flappers for 2"									66555Kit		—



66565

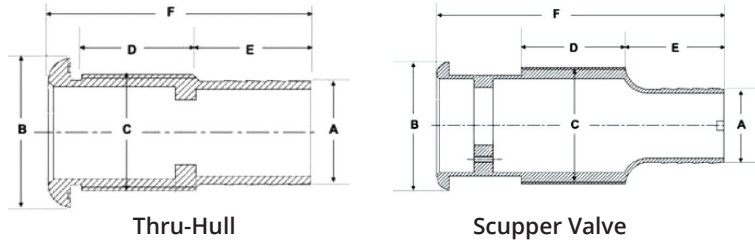


66557G

## Stainless Steel Narrow Flange Thru-Hulls

- Consistent exterior appearance throughout a range of barb sizes
- Modern styling
- Enhanced 316 Stainless Steel Alloy

Caution: Stainless Steel Thru-Hull Connectors are designed for installation above the water line only.



A Hose Size	B Flange Dia.	C Thread O.D.	D Thread Length	E Barb Length	F Total Length	Install. Hole Saw Size	Thread NPSM	Max Hull Thick.	OEM Part # without Gasket	Part #
<b>Thru-Hulls, Standard Length</b>										
5/8" I.D.	1-7/10"	1-3/10"	1-2/5"	1-1/8"	3"	1-5/16"	1"	7/8"	67555-1	—
3/4" I.D.	1-7/10"	1-3/10"	1-3/10"	1-1/4"	3"	1-5/16"	1"	3/4"	67554-1	—
1" I.D.	1-7/10"	1-3/10"	1-2/5"	1-1/8"	3"	1-5/16"	1"	7/8"	67556-1	—
1-1/8" I.D.	1-7/10"	1-3/10"	1-1/4"	1-1/8"	2-7/8"	1-5/16"	1"	3/4"	67557-1	—
1-1/2" I.D.	2-2/5"	1-7/8"	1-1/2"	1-3/5"	3-2/5"	2"	1-1/2"	1"	67551-1	—
2" I.D.	3.13"	2-3/8"	2.93"	2.04"	6.09"	2-7/16"	2"	2.70"	67552-1	—
<b>Thru-Hulls, Long Length</b>										
3/4" I.D.	1-7/10"	1-3/10"	1-1/2"	1-1/8"	4-1/4"	1-5/16"	1"	—	67558-1	—
1-1/8" I.D.	1-7/10"	1-3/10"	1-1/2"	1-1/8"	4-1/4"	1-5/16"	1"	—	67561-1	—
1-1/2" I.D.	2-2/5"	1-7/8"	1-1/2"	1-7/16"	4-15/16"	2"	1-1/2"	—	67562-1	—
<b>Scupper Valve</b>										
1-1/2" I.D.	2-3/5"	1-7/8"	2"	2"	5-3/4"	2-1/8"	1-1/2"	2-3/4"	67553-1	—



67555



67556



67551

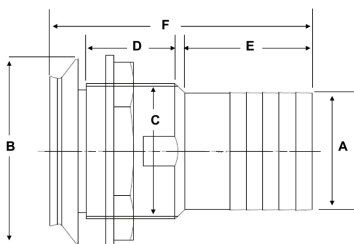


67553

## Stainless Steel Exhaust Thru-Hulls

- Specifically designed for generator and engine exhaust applications
- Features unique, modern styling that is both elegant and functional
- Stainless steel scupper valve and an integrated stainless drip ring
- Enhanced 316 Stainless Steel Alloy

Caution: Stainless Thru-Hull Connectors are designed for installation above the water line only.



A Hose Size	B Flange Dia.	C Thread O.D.	D Thread Length	E Barb Length	F Total Length	Install. Hole Saw Size	Thread NPSM	Max Hull Thick.	OEM Part # without Gasket	Part #
1-1/2" I.D.	3.18"	2.26"	1.6"	1.97"	4.58"	2.375"	2" - 11-3/4	1.125"	67581-1	—
2" I.D.	3.18"	2.26"	1.6"	2.23"	4.58"	2.375"	2" - 11-3/4	1.125"	67580-1	—
2-1/2" I.D.	4.60"	3.375"	1.8"	2.75"	5.8"	3.625"	3" - 8	1.5"	67583-1	—
3" I.D.	4.60"	3.375"	1.8"	3"	5.8"	3.625"	3" - 8	1.5"	67582-1	—



67581



67582

# Stainless Steel Capped Composite Thru-Hulls

Designed for the value conscious customer, these fittings provide the look of a Stainless Steel thru-hull at a fraction of the cost

## Corrosion Resistance

Manufactured with high quality stainless steel caps and engineered composite bodies, these thru-hulls are designed to resist degradation as a result of chemical and saltwater exposure.

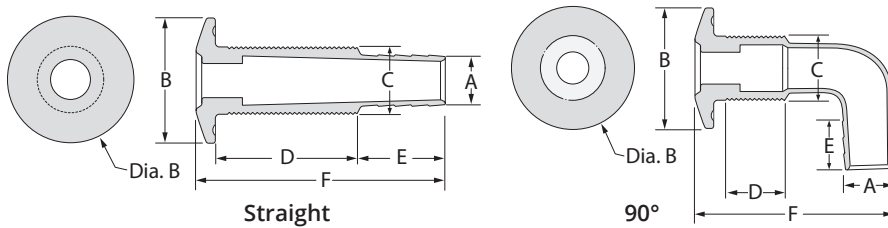
## Consistent Look

To create a uniform look, Attwood has designed its 5/8" thru 1-1/2" barbed thru-hulls with a common exterior surface.

## Improved Installation

Always keeping the builder in mind, each fitting incorporates several different types of assembly features that allow for "single operator" installation.

Caution: Stainless Steel Thru-Hull Connectors are designed for installation above the water line only.



68555



68557



68576

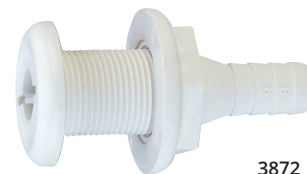
A Hose Size	B Flange Dia.	C Thread O.D.	D Thread Length	E Barb Length	F Total Length	Installation Hole Saw Size	Max Hull Thickness	OEM Part #	Part #
<b>Thru-Hulls, Straight</b>									
5/8" I.D.	1-7/8"	1.27"	1.54"	1"	3.39"	1-3/8"	1.30"	68555-1	—
3/4" I.D.	1-7/8"	1.27"	1.54"	1"	3.36"	1-5/16"	1.30"	68554-1	—
1" I.D.	1-7/8"	1.27"	1.54"	1"	3.39"	1-5/16"	1.30"	68556-1	—
1-1/8" I.D.	1-7/8"	1.27"	1.54"	1.3"	3.36"	1-5/16"	1.30"	68557-1	—
1-1/2" I.D.	2-3/8"	1.5"	1.54"	1.6"	3"	1-1/2"	1.40"	68551-1	—
<b>Thru-Hulls, 90°</b>									
5/8" I.D.	1-7/8"	1.27"	1.54"	0.875"	3.48"	1-5/16"	1.30"	68576-1	—
3/4" I.D.	1-7/8"	1.27"	1.54"	1"	3.48"	1-5/16"	1.30"	68577-1	—
1" I.D.	1-7/8"	1.27"	1.54"	1.125"	3.75"	1-5/16"	1.30"	68578-1	—
1-1/8" I.D.	1-7/8"	1.27"	1.54"	1.5"	3.75"	1-5/16"	1.30"	68579-1	—
1-1/2" I.D.	2-3/8"	1.5"	1.54"	1.5"	4.45"	1-1/2"	1.30"	68581-1	—

# Plastic Thru-Hulls & Scupper Valve Fittings

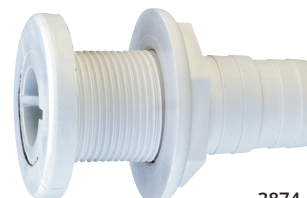
## Thru-Hulls

Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.

Fits Hose Size	Stem Length	Max Hull Thickness	Flange Diameter	Installation Hole Size	Drain Plug	Construction	Color	OEM Part #	Part #
5/8" I.D.	3-1/4"	1-1/4"	1-3/4"	1-1/8"	5/8"	Polypropylene	White	3872-1	3872-3
							Black	3872A1	—
3/4" I.D.	3-1/4"	1-1/4"	1-3/4"	1-1/8"	5/8"	Polypropylene	White	3873-1	3873-3
							Black	3873A1	—
3/4" I.D.	4"	2"	2"	1-1/16" to 1-1/8"	5/8"?	Acetal	White	3896-1	3896-3
1-1/8" to 1-1/4" I.D.	3-1/4"	1-1/4"	2-1/4"	1-3/8"	7/8"	Polypropylene	White	3874-1	3874-3
							Black	3874A1	—
1-1/2" I.D.	3-1/2"	1-1/4"	3"	1-7/8" to 2"	7/8"	Polypropylene	White	3875-1	3875-3
							Black	3875A1	—
2" I.D.	3-1/2"	1-1/4"	3"	1-7/8" to 2"	7/8"	Polypropylene	White	3845-1	—



3872



3874



3875



3875B

## Thru-Transom Thru-Hull Connector

For installation through the transom. Ideal for overflow use in livewell installations. Can be used with the 3876 Scupper Valve in self-bailing applications, or as an exhaust port for a bilge pump. Polypropylene construction.

Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.

Fits Hose Size	Stem Length	Max Hull Thickness	Flange Diameter	Installation Hole Size	Color	OEM Part #	Part #
1-1/2" I.D.	5-1/2"	3-1/8"	2-3/4"	2"	White	3875B1	—

## Double Ended Thru-Hull Connector

Double-Ended Thru-Hull provides watertight transition through bulkheads or tanks. 5" overall length. Polypropylene construction.

Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.

Fits Hose Size	Max Hull Thickness	Installation Hole Size	OEM Part #	Part #
3/4" I.D.	1-1/8"	1-1/8"	3878-1	3878-3



3878

## 90° Thru-Hull Connectors

90° Thru-Hulls are ideal for tight installations, such as livewell overflow drains. Design eliminates hose kinking. Polypropylene construction.

Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.

Fits Hose Size	Max Hull Thickness	Flange Diameter	Installation Hole Size	Drain Plug	Color	OEM Part #	Part #
3/4" I.D.	1"	1-1/2"	1"	1/2"	White	3877-1	3877-3
					Black	3880-1	—
1-1/8" to 1-1/4" I.D.	1-7/8"	2-7/16"	1-5/16"	7/8"	White	3879-1	3879-3
					Black	3870-1	—



3877



3879

## Scupper Valve

Provides a water exit for boats with self-bailing cockpits. Acetal construction. Accommodates 3875B thru-transom thru-hull connector (screw holes must be drilled for installation.) Diameter: 2-7/8". Use as a replacement valve for 3881 Thru-Transom Scupper. Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.

OEM Part #	Part #
3876-1	3876-3



3876

## Thru-Transom with Scupper

- The rubber flapper opens to drain water out and closes to prevent backwash.
  - Acetal construction.
  - For 1-1/2" I.D. hose.
  - Installation Hole Size: 2"
  - Service Part Kit: Includes outer ring, rubber flapper, four SS screws
- Caution: Plastic Thru-Hull Connectors are designed for installation above the water line only.



3881

Description	Dimensions	Max Hull Thickness	OEM Part #	Part #
Thru-transom with scupper	6-1/4" L x 2-7/8" dia.	3-1/8"	3881-1	—
Service Part Kit			3881Kit-1	—

## Thru-Hull with Strainer

Thru-hull connector with strainer prevents clogging of the aerator pump. Strainer attaches to threads that extend beyond external retaining nut. Acetal construction. Caution: Do not use strainer as a thru-hull connector nut replacement.

Hose Size	Max Hull Thickness	Installation Hole Size	OEM Part #	Part #
3/4" I.D.	1-7/16"	1-1/16" to 1-1/8"	3886-1	3886-3



3886

# Drains, Drain Plugs & Tubes

## Mesh Strainer/Drain Filter

Durable strainers to prevent debris from clogging baitwell drains and aerator pumps. Two types of construction: formed stainless steel wire mesh molded into black PVC plastic base or acetal plastic.

Caution: Aerator pump must be secured with aerator attachment nut prior to installing strainer.

Type	Thread	Application	OEM Part #	Part #
Stainless Steel mesh	7/8"- 9 UNC2-B	Fits 3877-1 thru-hull	11524-1	11524-3
	3/4"-14 NPSM	Fits 3/4" aerator inlet and 3886-1 thru-hull	4232-1	4232-7
Molded plastic	3/4"-14 NPSM	Fits aerator inlet and 3886-1 thru-hull	3885-1	3885-3



11524



3885

## Cockpit Drains

For use with 1-1/2" I.D. hose as part of a self-bailing cockpit system. Features short stem and narrow flange for installing through cockpits. Polypropylene construction.

Description	Stem Length	Max Hull Thickness	Flange Diameter	Installation Hole Size	OEM Part #	Part #
Drain	3-3/4"	1-1/2"	2-1/8"	1-7/8"	3875C1	—
Drain with screen	4-3/32"	1-7/32"	2-1/8"	1-7/8"	3882-1	—



## Drain Fittings

These drain fittings can be used with a hose connector to create a drain. Use 3888 with 3899 or 3890 threaded/hose-to-barb connector. Use 3889 with 3891 threaded/hose-to-barb connector. Acetal construction.

Description	Dimensions	Max Hull Thickness	Installation Hole Size	OEM Part #	Part #
3/4" diameter	1-1/2"	1-1/8"	1-1/16" to 1-1/8"	3888-1	—
1-1/8" diameter	1-1/2"	1-1/16"	1-7/16" to 1-1/2"	3889-1	—



## Drain Cover

Polished stainless steel drain cover can be used for floor drains, vents, or hidden horn openings. Four holes for #6 fasteners.

Description	OEM Part #	Part #
Stainless Steel, 3-1/4" dia.	66308-1	66308-3



## Drain Plug and Receiver Kit

Molded black plastic with threaded receiver. Molded retaining strap. Includes attaching screws and elastomeric gasket for a watertight fit.

Description	OEM Part #	Part #
3/4" dia. one piece plug	17209-1	17211-3



## Garboard Drain Plugs

Provides bilge drainage when hauling out. Nut removes with wrench or pliers. Machined, tapered pipe threads ensure watertight plug fit. 3/8" neck depth. Three countersunk holes for #8 fasteners.

Description	Construction	OEM Part #	Part #
1/2" NPT drain	Cast bronze	7555-1	7555-3
Replacement plugs, Pair	Brass	9842-1	9842-3
Replacement plugs, 24 Pair	Brass	—	9842PD1
Replacement plugs, 12 Pair (Saltwater Use)	Stainless Steel	—	9844PD2



## Stainless Steel Garboard Drain Plugs

Threaded removable plug. Retention system keeps plug from getting lost. Large 7/8" (27mm) hole for servicing stern drives. High polished #316 stainless steel reduces corrosion.

Description	Construction	OEM Part #	Part #
7/8" diameter	Stainless Steel	7557-1	7557-7
7/8" diameter	Stainless Steel with Gasket	7557G1	—



## T-Handle Drain Plugs

A clockwise turn of the T-handle expands the plug to lock in place; turn counterclockwise to release.

- For 1" diameter drains.
- Available in brass or stainless steel.

Handle	Chain	Qty	OEM Part #	Part #
Brass	No	1	7526A1	7526A7
Brass	No	100 in battery box display*	—	7526D1
Brass	No	12 in PDQ display carton	7526PD1	7526D2
Brass Plated	No	1	—	11592-3
Stainless Steel	No	1	—	7518A3
Stainless Steel	No	12 in PDQ display carton	7518PD2	7518PD2

\*One UPC sheet for use with all 100 units



7526PD2



7526



7518A3

## Snap-Handle Drain Plugs

A clockwise turn of the handle tightens the plug in its tube, and the handle flips down to lock.

- For 1" diameter drains.
- Available in brass or stainless steel, with or without chain.

Handle	Chain	Qty	OEM Part #	Part #
Brass	No	1	7524A1	7524A7
Brass	5" chain	1	7524B1	—
Brass	No	75 in battery box display*	—	7524D1
Brass	No	12 in PDQ display carton	7524PD2	7524PD2
Brass Plated	No	1	—	11591-3
Brass Plated	No	24 in PDQ display carton	—	11586-4
Stainless Steel	No	1	7520A1	7520A3
Stainless Steel	No	12 in PDQ display carton	—	7520PD2

\*One UPC sheet for use with all 75 units



7524PD2



7524



7520A3

## Livewell/Bailer Drain Plugs

Clockwise turn of the handle tightens plug, lever flips down to lock. Ideal for livewell drains.

- Cam-action neoprene plugs snap shut to form stopper for livewells / baitwells.
- Brass snaps and plates.

Note: Not for use with chemicals or fuels.

For use with	Qty	OEM Part #	Part #
7/16" I.D. thru-hull	1	—	7532A3
1/2" I.D. thru-hull	1	7533A1	7533A7
1/2" I.D. thru-hull	12 in PDQ display carton	7533PD2	7533PD2
5/8" I.D. thru-hull	1	7534A1	7534A3



7533PD2



7533

## Drain Tubes

- Drain tubes for 1" diameter drain plugs.
- Use aluminum drain tubes with aluminum-handle drain plugs; use brass tubes with brass-handle plugs and stainless steel plug handles.
- Tubes have .032" wall thickness.

Length	OEM Part #	Part #
1-7/8"	7566AR1	—
2-3/8"	7566BG1	—
3"	11446-1	—



7566BG

# VENTILATION

## Day/Night Solar Vent



36

Day/Night solar vents offer 24-hour ventilation in a compact footprint. The new design can be removed from the deck and features LED lights and additional controls that are accessed from the cabin.

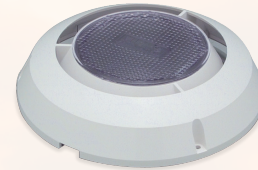
## MiniVent 1000



37

The MiniVent 1000 is the smallest and most economical solar vent in the Marincó® line. At just 7" in diameter and approximately 1-3/4" high, the MiniVent 1000 is compact yet effective. This solar powered model is an exhaust vent only.

## Air Vent 500 Passive Exhaust Ventilation



37

Marincó offers the AirVent 500 as a non-solar ventilation option that can passively move 600 to 1,000 cubic feet of air per hour in a 15 knot breeze. Marincó's engineering expertise created this vent to be strong, compact and effective.



# VENTILATION

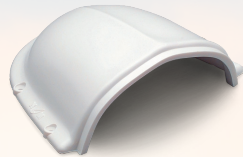
## Cowl Vents



38

Cowl Vents are available in both low profile and standard height contours. These vents are a perfect air intake supplement to solar ventilation, and are also commonly used as a bilge ventilating system with or without a mechanical blower.

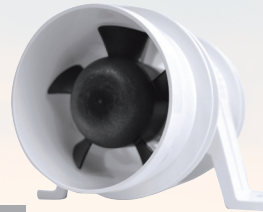
## Clam Shell Vents



39

Clam shell vents are ideal for ventilation needs where a taller vent would foul lines or restrict crew movement. These vents work well as stern mounted ventilators for engine compartments.

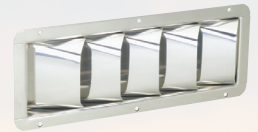
## In-Line Blowers



40

Attwood in-line blowers provide ventilation for engine compartments, galleys, and bilges. Utilizing advanced fan blade design techniques, Attwood has developed a blower system that matches air flow of existing in-line blowers at a significantly reduced noise level.

## Vents & Collector Boxes



42

All collector boxes and vents are designed for intake or exhaust and meet ABYC H-2 requirements.



## TECH TIP

### Ventilation Explained

#### Maintenance Ventilation

In most climates, boats that have been closed for a period of time will become “stuffy.” The temperature differential that develops between the boat cabin and the outdoor environment will cause the humidity level inside the boat cabin to rise. When the humidity level in the closed cabin rises, moisture forms, resulting in mold, mildew and musty air. In these conditions, fabrics, boat electronics and even the boat’s fiberglass structure can be damaged. By consistently replacing trapped, stale air in the closed boat with fresh outside air, the humidity equalizes from inside to outside, resulting in effective maintenance ventilation.

#### Comfort Ventilation

Combining different types of vents, with one vent providing “intake” air flow while another vent provides “exhaust” air flow, creates cross-flow ventilation. A cross-flow ventilation system will make the interior cabin more comfortable and pleasurable because air is constantly moving throughout the cabin. No matter what your boat size or cabin configuration is, you can increase your boating enjoyment with the addition of ventilation.

#### Safety Ventilation

Most boaters are unaware of the hazards that exist in the boating environment. Any number of serious ventilation problems can occur when a boat is left unattended. And even if you are underway, these problems don’t go away. Fumes and gasses, ranging from carbon

monoxide to hydrogen gas from battery charging, to gasoline, propane or solvents stored below, are unpleasant, and can sometimes be dangerous. Also, any open flame devices in the cabin require proper ventilation. Ventilation helps to eliminate these hazards by providing constant air circulation resulting in effective safety ventilation.

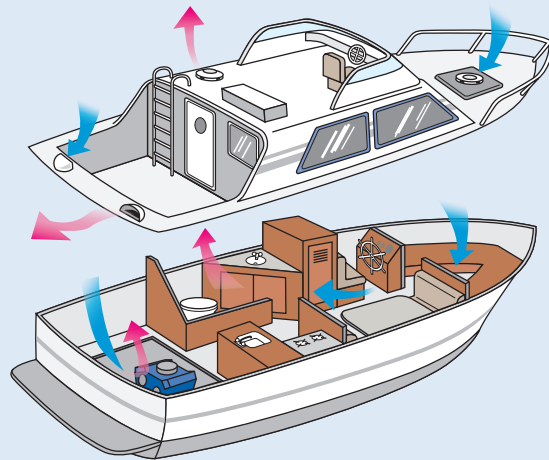
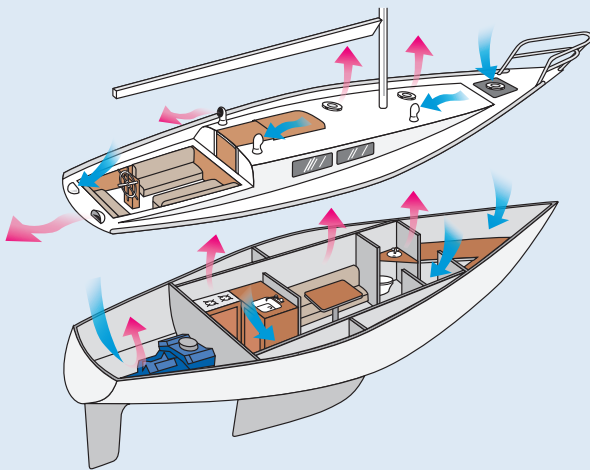
#### How Much Ventilation Is Required For Your Boat?

Ideally, the air in the interior of a boat should be circulated once every hour. A typical 30-foot boat contains approximately 800 cubic feet of air. As you will see, our solar powered models can move between 600 and 1,000 cubic feet of air every hour. The general guidelines for providing maintenance ventilation are as follows:

Boat Size	Recommended Ventilation
Up to 24’.	1 Exhaust Vent*
24’ to 40’.	1 Exhaust Vent & 1 Intake Vent
40’ and larger	2 Exhaust Vents & 1 Intake Vent

\* For effective maintenance ventilation, one vent assumes there will be access for air to get into the cabin (i.e., cowl vent, clamshell vent or louvered panel)

It is important to evaluate the cabin layout of your boat to determine optimal locations for both intake and exhaust ventilation. These illustrations suggest placement for Marinco® solar powered vents and Marinco® passive vents.



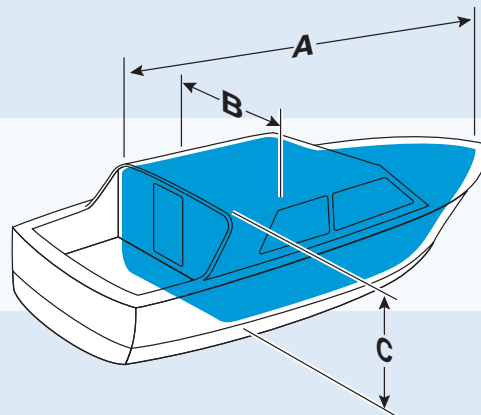
To specifically calculate your boat’s air volume, use this simple formula:

$$A \times B \times C \times 70\% = \text{Boat Interior Volume}$$





**A** Dimension is the interior length (excluding cockpit)

**B** Dimension is the boat width

**C** Dimension is the average interior height



### Ventilation Selection Chart

	Airflow Size	Hole Size Diameter	Deck Plate	Mounting Flange Depth	Operation		Cubic Feet of Air	Intake	Exhaust
					Day	Night			
	4" 102 mm	4-3/4"	Screw-In (6" Outer Diameter)	2.75"	Solar	Rechargeable Battery Power	1000 ft <sup>3</sup> /hour 28 m <sup>3</sup> 24,000 ft <sup>3</sup> /day 680 m <sup>3</sup>	Fan (switch) Fan	Fan
	3" 76 mm	3-3/4"	Screw-In (5" Outer Diameter)	2.75"	Solar	Rechargeable Battery Power	800 ft <sup>3</sup> /hour 23 m <sup>3</sup> 19,200 ft <sup>3</sup> /day 550 m <sup>3</sup>	Fan (switch) Fan	Fan
	3" 76 mm	3-3/4"	None (Direct to Deck Mounting)	1"	Solar	Passive	700 ft <sup>3</sup> /hour 20 m <sup>3</sup> 5,600 ft <sup>3</sup> /day 160 m <sup>3</sup>	Exhaust fan only	Fan
	3" 76 mm	3-3/4"	None (Direct to Deck Mounting)	1"	Passive	Passive	600 ft <sup>3</sup> /hour 17 m <sup>3</sup> In a 15 Knot Breeze	Passive	Passive
	4" 102 mm	4-3/4"	Snap-In (6" Outer Diameter)	1"	Passive	Passive	—	Passive	Passive
	3" 76 mm	3-3/4"	Snap-In (5" Outer Diameter)	1"	Passive	Passive	—	Passive	Passive

## TECH TIP

### Vent Installation Explained

#### Installation

All Marinc® ventilation products include clear, easy-to-understand installation instructions. These instructions address all of the key factors of a professional installation, such as:

- Proper hole measurement and cutting procedures
- Proper deck plate installation
- Use of sealants to waterproof your vent installation
- Installing vents in hatches
- Installing vents in "cambered" or slightly curved decks

Use of interior trim rings to "dress up" the cabin

The high quality level of Marinc® Ventilation products must be combined with a sound installation to guarantee that your vent performs in all conditions. Marinc® will make sure that your installation will be easy and successful so that you can enjoy the benefits of installation for a long time to come.

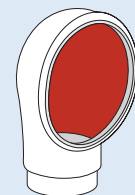
#### Marinc® Ventilation Installation Systems

##### Snap-In Deck Plate Installation

The 12V vent, 12V combo vent and cowl vents use the Marinc® Snap-In deck plate system. The snap-in system allows the easy exchange of any snap-in part for upgrading or convenience, as well as the use of a snap-in cover that completely seals the deck plate making it water tight.

##### Direct-To-Deck Installation

The Day/Night Plus, MiniVent 1000 and AirVent 500 are designed to be installed directly to the deck without the requirement for a deck plate. All of these vent systems have built-in shut-off dampers that operate from below.



Deck Plate



Deck



Plastic Interior Trim Ring

## Day/Night Solar Vent

- Circulates fresh air in boat cabin eliminating mold, mildew and musty air
- Moves 1,000 cubic feet of air/hour or 24,000 cubic feet of air/day (4" model)
- Rechargeable battery allows for 24-hour continuous operation
- No wiring required
- Built-in on/off fan switch, LED lights and intake/exhaust switch
- High capacity NiMh battery operates vent for up to 24-hours without sunlight on a full charge
- Threads into included deck plate and can be removed from outside without tools
- Complete air and green water shut-off from below
- All Day/Night Plus models come complete with white plastic interior trim ring, insect screen, mounting hardware and an easy-to-understand installation manual
- **Replaces NICRO 3" & 4" snap-in deck plates (fits existing holes once snap-in deck plates are removed)**



**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
3" White	N20803W	N20803W-4
3" Stainless Steel	N20803S	N20803S-4
4" White	N20804W	N20804W-4
4" Stainless Steel	N20804S	N20804S-4

### Replacement NiMh Battery

- High capacity battery pack
- 4.8V, 2.5 amp-hours
- Replacement battery pack for current Day/Night Vents



**TRANSITIONING 2025**

Marinco Part #	Attwood Part #
N20890	N20890-4

### Solar Vent Cap

- Includes screw-in watertight cap



**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
for 3" vents	N20803CAP	N20803CAP-5
for 4" vents	N20804CAP	N20804CAP-5

### Replacement Trim Ring



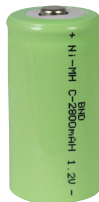
**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
for 3" vents	N20803RING	N20803RING-5
for 4" vents	N20804RING	N20804RING-5

## Original Day/Night Plus Vent Accessories

### Replacement NiMh Battery

- High capacity C-cell battery
- 1.2V, 2.8 amp-hours
- Replacement battery for older Day/Night Plus Vents, as well as, older model PowerVent 3000 and Day/Night 2000 Vents



**TRANSITIONING 2025**

Marinco Part #	Attwood Part #
N20790	N20790-5

**TRANSITIONING 2025**

Select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## MiniVent 1000

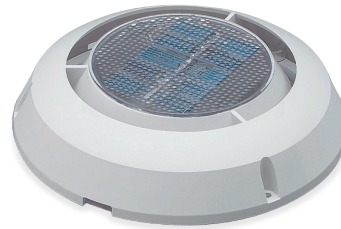
The MiniVent 1000 is the smallest and most economical solar vent in the Marinco® line. At just 7" in diameter and approximately 1-3/4" high, the MiniVent 1000 is compact yet effective. This solar powered model is an exhaust vent only. It will keep the boat cabin cool when you need it most, during the hot sunlight hours. Under solar power, the MiniVent 1000 will move 700 cubic feet of air an hour. At night, even a light breeze will continue to ventilate the boat passively.

Built-in shut-off damper prevents water intrusion in rough seas. Fits a 3-3/4" diameter installation hole. The vent can be retrofitted to an existing hole of up to 6" in diameter. Available in white ABS plastic or stainless steel. Optional stainless steel cover is also available separately.

- Solar powered exhaust ventilation during daylight and passive exhaust at night
- No batteries or wiring required
- Whisper-quiet fan operation
- Durable white ABS construction
- Shut-off damper to prevent water intrusion in rough seas
- Dimensions: 7" diameter X 1-3/4" high
- All MiniVent 1000 models come complete with white plastic interior trim ring, mounting hardware and an easy-to-understand installation manual

### TRANSITIONING 2025

Description	Marinco Part #	Attwood Part #
3" White	N20020	N20020-4
3" Stainless Steel	N20030	N20030-4



CE  
2 YEAR WARRANTY

## Air Vent 500 Passive Exhaust Ventilation

Marinco® offers the AirVent 500 as a non-solar ventilation option that can passively move 600 to 1,000 cubic feet of air per hour in a 15 knot breeze. Marinco's engineering expertise created this vent to be strong, compact and effective. The AirVent 500 is an economical way to provide ventilation in your boat or it can be used in conjunction with other solar powered or 12V vents to create cross flow air circulation.

- Compact size: 7" diameter x 1-3/4" high
- High air flow volume 1,000 cu. ft./hour in a 15 knot breeze
- Strong U.V. stabilized white ABS construction
- Center panel is translucent plastic allowing light to pass through it below deck
- Center damper shuts vent off from below
- Easy installation – attaches directly to deck in compact 3-3/4" diameter hole and can be retrofitted to an existing hole of up to 6" in diameter

### TRANSITIONING 2025

Marinco Part #	Attwood Part #
N28810	N28810-5



2 YEAR WARRANTY

### TRANSITIONING 2025

Select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## Cowl Vents

Cowl Vents are available in both low profile and standard height contours. These vents are a perfect air intake supplement to solar ventilation, and are also commonly used as a bilge ventilating system with or without a mechanical blower. Marincó® was the first supplier of soft, durable PVC vents that are flexible and safe. For interchangeability, Marincó 4" cowl vent models fit into the same 4" Snap-In deck plates used by the combo and 12V vents (3" or 4" sizes).

- Soft and durable PVC construction returns to original shape if stepped on
- Safer than metal cowl vents – prevents injury and resists snagging lines
- Snap-In vents include deck plate and cover
- 4" models interchangeable with Marincó® Combo and 12V Vent 4" snap-in deck plates
- Marincó adapter accessories make installing below-deck duct hose easy

### TRANSITIONING 2025

Select Marincó items will become Attwood branded. Same great product, but now available through Attwood.

## Snap-In Deluxe Low Profile PVC Cowl Vent

- White with bright red interior
- Available in 3" or 4" sizes
- 3" size measures 4-1/2" high
- 4" size measures 5-1/2" high
- Includes white Snap-In deck plate and cover

### TRANSITIONING 2025

Description	Marincó Part #	Attwood Part #
3"	N10863	N10863-4
4"	N10864	N10864-4



## Snap-In Deluxe Standard PVC Cowl Vent

- White with bright red interior
- Available in 3" or 4" sizes
- 3" size measures 8" high
- 4" size measures 10" high
- Includes white Snap-In deck plate and cover

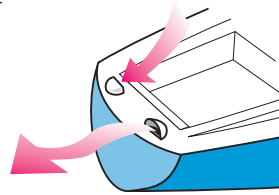
### TRANSITIONING 2025

Description	Marincó Part #	Attwood Part #
3"	N10963	N10963-4
4"	N10964	N10964-4



## Clam Shell Vents

- Ideal for ventilation needs where a taller vent would foul lines or restrict crew movement
- Work well as stern mounted ventilators for engine compartment
- Can be used for cabin ventilation with dorade boxes
- Flexible PVC construction
- Small clam shell dimensions - Inner : 2-1/2" H x 4-1/2" W x 5" L  
Outer: 2-3/4" H x 6" W x 5-1/2" L
- Large clam shell dimensions - Inner : 3" H x 5-3/8" W x 6" L  
Outer: 3-1/2" H x 7" W x 6-3/4" L



**TRANSITIONING 2025**

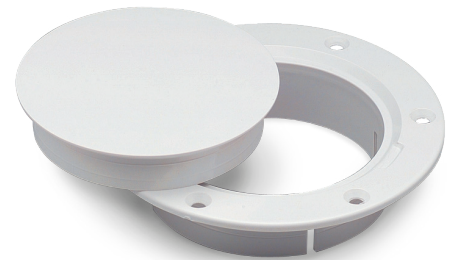
Description	Marinco Part #	Attwood Part #
Small	N10873	N10873-5
Large	N10874	N10874-5

## White Snap-In Deck Plate

- Includes Snap-In watertight cover
- Use with any Marinco® Snap-In vent system
- N10863DW requires a 3-3/4" diameter hole cutout
- N10864DW requires a 4-3/4" diameter hole cutout

**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
3"	N10863DW	N10863DW-5
4"	N10864DW	N10864DW-5



## Plastic Interior Trim Ring

- Finishes off interior installation of vent
- Can be installed in decks between 1" and 2" thick
- Available in 3" and 4" sizes
- White plastic construction
- **Note: Interior trim rings are not compatible with threaded deck plates**

**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
3"	N10866	N10866-5
4"	N10867	N10867-5

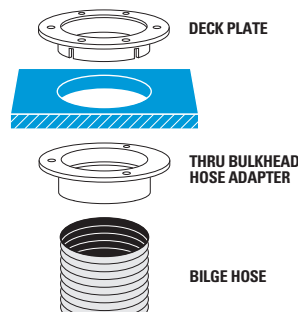


## Thru Bulkhead Hose Adapter

- For termination attachment of hose to bulkhead
- For attaching hose to cowl vent
- Can be used with Snap-In or threaded deck plates
- For use in decks or bulk heads of more than 1" thick

**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
3"	N10869	N10869-5
4"	N10870	N10870-5



**TRANSITIONING 2025**

Select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

# In-Line Blowers

Attwood offers ventilation equipment and accessories featuring the revolutionary, patented Turbo In-Line Blowers for 3"- and 4"-diameter systems. Turbo blowers are the most dependable, efficient, and powerful in-line blowers on the market, designed using aerospace technology. The Turbo line also features the industry's first water-resistant blower models, with durability proven in rigorous moisture tests and years of success in the field. Attwood offers Turbo water-resistant blowers with an unprecedented three-year limited warranty, and a one-year limited warranty for standard models.

## Certifications, Standards and Listings - Blowers

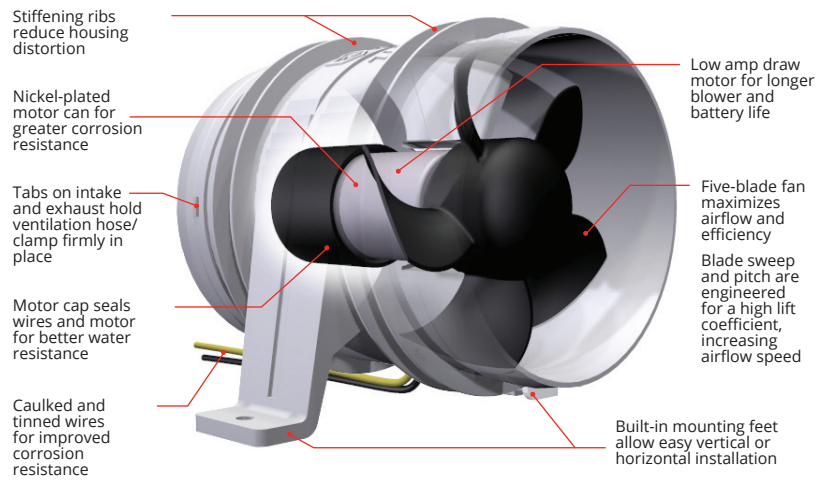
Attwood in-line blowers meet or exceed the following U.S. and international certificates and standards:

- ABYC-H2; ISO 9097
- U.S. Coast Guard Rules, Title 33 CFR sections 183.410, and 183.610 (b)
- Tested to ANSI/AMCA (210-85) and ANSI/ASHRAE (51-1985) standards
- NMMA "As Approved Listing"
- CE
- UKCA
- RCA

## Turbo In-Line Blowers

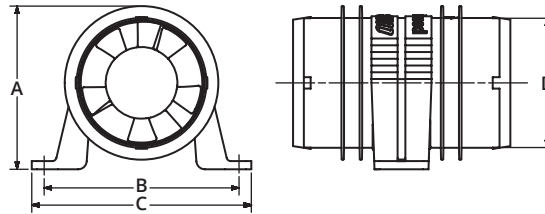
The first vane axial-flow fan bilge blowers designed using aerospace technology to maximize performance. No other bilge blowers in the industry provide such powerful system output at such low power input in a compact size.

- Patented in-line design – provides ventilation for engine compartments, galleys, bilges, and heads
- System airflow exceeds old-style in-line blowers by as much as 25%
- Draws up to 40% fewer amps, making our Turbo blowers up to four times more efficient than competitive blowers
- Marine ignition protected



## Pump Dimensions

Model No.	A	B	C	D
Turbo 3000	3-5/8"	4-1/2"	5-1/16"	3"
Turbo 4000	4-17/32"	5-1/2"	6-1/16"	4"



## Specifications

Model No.	Rated Voltage	CFM Open Flow	CFM In System*	Current Draw Amps	Fuse Size	Wave Length
Turbo 3000	12V nominal	120	90	2.6	4A	7-1/2"
	13.6V design	145	100	3.1	4A	7-1/2"
Turbo 4000	12V nominal	200	100	2.5	5A	7-1/2"
	13.6V design	230	125	2.9	5A	7-1/2"
	24V nominal	200	100	1.5	3A	7-1/2"
	27.2V design	230	125	2.0	3A	7-1/2"

Note- In system = 3 ft of duct with one 90° bend, a collector box and louvered vent on discharge side of blower at 13.6V DC

## Turbo 3000 Series

For 3" I.D. ventilation hose. Install with #10 fasteners. Individual carton includes 2 tie straps.

Model No.	Description	OEM Part #	Part #
Turbo 3000	Water-resistant, 12V, White, 3-year Warranty	1733-1	1733-4



1733

## Turbo 4000 Series II

Our 4000 Series II blower system matches air flow of existing in-line blowers at a significantly reduced noise level. For added durability, Attwood incorporates an engineered plastic housing that resists deformation during installation and prevents blade to housing interference.

For 4" I.D. ventilation hose. Install with #10 fasteners. Individual carton includes two tie straps.

Model No.	Description	OEM Part #	Part #
Turbo 4000	Water-resistant, 12V, White, 3-year Warranty	1749-1	1749-4
	Water-resistant, 24V, White, 3-year Warranty	1751-1	—



1749



## Vents & Collector Boxes

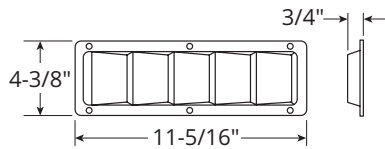
Attwood hull-mounted vents are designed to install by fastening as a complete unit from either inside or outside the hull. Ventilation hose (not included) twists into the bottom of the box to form a raised water barrier. Plastic vents are corrosion-resistant and will not discolor. All collector boxes and vents are designed for intake or exhaust and meet ABYC H-2 cross sectional area requirements.



### Stainless Steel Louvered Vent

- All-welded #304 Stainless Steel construction with polished finish.
- Install with #8 fasteners.
- Requires collector box 1487A for 3" system.

For use with Collector Box(es)	Installation Hole Size	OEM Part #	Part #
1487A1	3-1/4" x 10-3/8"	1488-1	1488-5



### Collector Boxes

- Collector boxes for use with 1488 stainless steel vent.
- Available with cut-out for two 3" I.D. wire-supported hoses or one 4" I.D. wire-supported hose.
- Corrosion-resistant plastic.

For Use with Vent(s)	Depth	Installation Hole Size	OEM Part #	Part #
1488	5-9/16"	3-5/8" x 10-3/4"	1487A1	—



1493



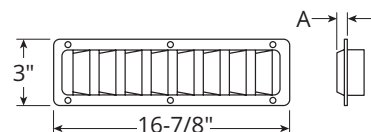
1499



### Narrow Stainless Steel Louvered Vents

- Suitable for installation on any flat or most contoured hulls.
- Constructed of all-welded #304 Stainless Steel with a polished finish.
- Vents for use with 3" I.D. ventilation systems, and require a 1343 collector box.
- Install with #6 fasteners.

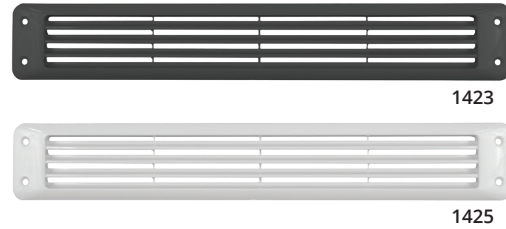
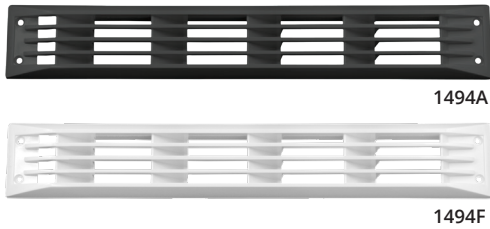
For use with Collector Box	Installation Hole Size	A Depth	OEM Part #	Part #
1343	2-1/16" x 15-15/16"	9/16"	1493-1	1493-5
		1/16"	1499-1	1499-5



### Collector Box

- For use with narrow stainless steel vents (1493 or 1499), with two 3" I.D. wire-supported ventilation hoses.
- Corrosion-resistant plastic.

For Use with Vent(s)	Depth	Installation Hole Size	OEM Part #	Part #
1493, 1499	4-1/16"	2-7/16" x 16-3/16"	1343-1	—



### Venturi Vents

Clean, contemporary, louver design. Sized for installation even on highly-contoured decks.

- For 3" or 4" I.D. ventilation system.
- Corrosion-resistant, paintable ABS plastic.
- Requires 1341 collector box for 3" system, or 1342 for 4" system.
- Install with #8 fasteners

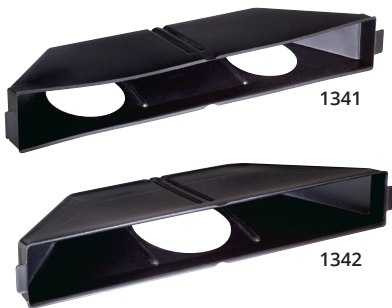
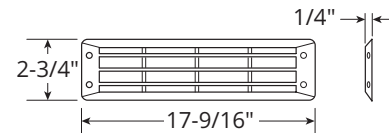
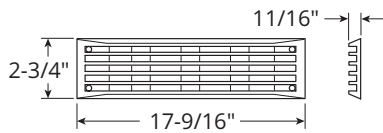
For use with Collector Box	Installation Hole Size	Color	OEM Part #	Part #
1341, 1342	2" x 15-3/8"	Black	1494A1	1494A5
		White	1494F1	—

### Flush Louvered Vents

Canted louvers deflect rain and spray and help conceal the collector box. Installs flush to hull. Drain slots to prevent water accumulation.

- Black vent is ABS plastic, white vent is ASA plastic. Both are paintable.
- Requires 1341 collector box for 3" system, or 1342 for 4" system.
- Install with #8 fasteners.

For use with Collector Box	Installation Hole Size	Color	OEM Part #	Part #
1341, 1342	2" x 15-1/4"	Black	1423-1	1423-5
		White	1425-1	1425-5

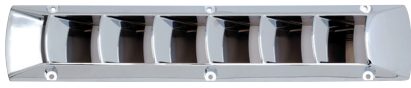


### Collector Boxes

For use with Venturi, Flush Louvered or Trimline Vents.

- Corrosion-resistant plastic.

For Use with Vent(s)	Hoses	Installation Hole Size	Depth	OEM Part #	Part #
1494, 1423, 1425, 1426	For two 3" I.D. hoses	2-1/16" x 15-9/16"	3-7/8"	1341-1	—
1494, 1423	For one 4" I.D. hose	2-1/8" x 15-5/8"	5"	1342-1	—



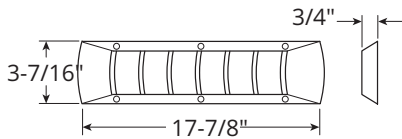
1495B



### Plastic Louvered Vents

- Constructed of paintable, corrosion-resistant ABS plastic with no sharp edges.
- For 3" I.D. ventilation system with 1345 collector box.
- Install with #8 fasteners.

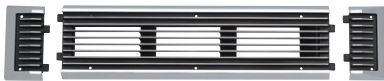
For use with Collector Box	Installation Hole Size	Color	OEM Part #	Part #
		Chrome Plated	1495B1	1495B5
1345	2-1/4" x 16"	Black	1495A1	—
		Off-White	1495-1	—



### Collector Box

- For use with plastic louvered vent, with two 3" I.D. wire-supported ventilation hoses.
- Box fastens to vent with screws or pop rivets, then vent fastens to the deck.
- Corrosion-resistant plastic.

For Use with Vent(s)	Depth	Installation Hole Size	OEM Part #	Part #
1495	4"	2-7/16" x 16-1/4"	1345-1	—



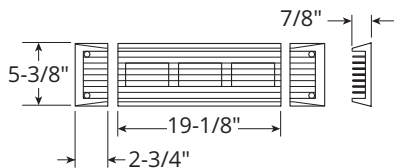
1438

### Modular Vents

Modular construction to accommodate any ventilation opening size by interlocking two or more center sections. End sections interlock to the center section for a finished appearance.

- For 4" I.D. ventilation systems
- End sections have two holes for #8 fasteners.

For Use with Collector Box	Section	Color	Installation Hole Size	OEM Part #	Part #
1348 (one or multiple)	Center	White	2-1/2" x 17-3/4"	1438F1	—
	Ends	White	2-1/2" x 17-3/4"	1439F1	—



### Collector Box

For use with modular vents, with 4" I.D. wire-supported ventilation hose.

- For two 4" I.D. hoses
- Corrosion-resistant plastic.
- Installation Hole Size: 2-3/4" x 18"

For Use with Vent(s)	Depth	OEM Part #	Part #
1438, 1439	5"	1348-1	—





### Cowl Ventilator

- For use with 3" I.D. wire-supported ventilation hose.
- Flexible hose flange is screwed onto hose, then vent snaps onto the flange. Flange is non-corrosive plastic.
- Vent constructed of chrome-plated zinc.
- Installs with #8 fasteners.
- Dimensions: 5-5/16" W x 6" L x 2-1/4" H (neck extends 1" below deck)

Installation Hole Size	OEM Part #	Part #
3-1/4" x 3-12"	1364A1	1364A3



### Twist-On Hose Flange

- For use with 3" I.D. wire-supported ventilation hose.
- Hose installs from topside by turning the flange into the hose spiral, passing the hose through the deck hole, then mounting ventilator. No hose clamps needed.
- Corrosion-resistant plastic.
- Four holes for required #10 fasteners.

Color	Installation Hole Size	OEM Part #	Part #
Black	3.5"	1405-1	1405-3



### Storage Vent

Use to vent lockers and storage areas. Provides over six square inches of ventilation opening.

- Will not accept a ventilation hose.
- Corrosion-resistant plastic.
- Two holes for required #6 fasteners.

Height	Neck	Flange Dia.	Installation Hole Size	Color	OEM Part #	Part #
1-1/16"	5/8"	3-3/16"	3-1/16" to 3-1/8"	Black	1353-1	—



66400

### Clamshell Vent

Provides a seal and splash protection for vent holes, wire and hose openings.

- Sizes to fit most common applications.
- Durable 300 series stainless steel construction.
- Three holes for required #6 fasteners.

Vent Width	Size	Max Hole Size	Hose/Wire Max Size	OEM Part #	Part #
1-3/16"	1-9/16" L x 1/2" H	1"	7/16"	66399-1	66399-3
2-3/16"	2-1/4" L x 9/16" H	1-1/2"	9/16"	66400-1	66400-3

# LIGHTING

## Sidelights



52

Attwood Sidelights are designed with top quality materials, providing efficient light output, style, and durability.

## All-Round Lights & Bases



60

Attwood offers a wide selection of durable, stowaway, pole-mounted lights. Choose the style of light head, lens and pole to fit a base suited to your installation location.

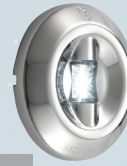
## PowerBase Series



66

The intelligent, automated folding light & antenna. Easily stows and deploys lights and antennas with the push of a button.

## Transom Lights



70

For pleasure craft up to 20m (65.6 ft.) in length, transom lights provide reliability and efficiency.

## Anchor/Masthead Lights



71

Innovative, robust, and easy to use, our anchor/masthead lights are designed to achieve 360° visibility, while drawing a fraction of the power of traditional incandescent lights.

# LIGHTING

## Precision Wireless Controlled Spotlight



72

Controlled by wireless remote control. Provides 370° sweep and 120° tilt. Designed for harsh marine environments, it is moisture, salt, and vibration resistant.

## IP67 Stainless Steel Spot/Floodlight



73

Features a 7", 12 LED array, and IP67 stainless construction. Creates approx. three times concentrated spot diameter while drawing roughly half the power of comparable halogen spotlights. Wireless communication using mounted bridge or hand held remote.

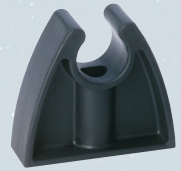
## LED Lights



75

Proven LED Solutions for Portable Navigation and Docking, Underwater, and Utility applications.

## Light Accessories



81

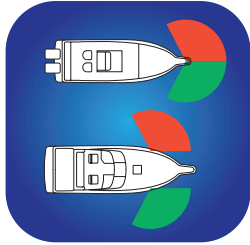
Protect your lights with Attwood's replacement parts that are easy to install and maintain.



# Navigation Overview

## Lighting the Way – Types of Navigation Lights

This section is divided into four basic types of navigation lights, differentiated by lens color, beam angle (horizontal cut-off angle), and location on the boat. All lights are for 12V DC applications only. Styles may vary, but the color, cut-off angle, and location must always comply with the following standards:



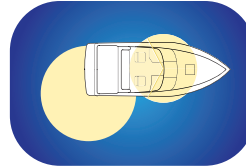
### Sidelights

For boats under power up to 20m (65.6ft).

**Light Color:** Red (port) and/or Green (starboard)

**Cut-off:** From dead ahead to 112.5° aft on either side of center line (225° total horiz. arc).

**Mounting:** As far fore as possible



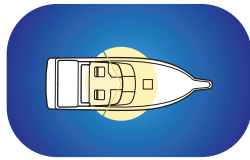
### All-Round Lights

For boats less than 12 m (39.4 ft.). The white all-round light may be used in lieu of a masthead or transom light.

**Light Color:** White

**Cut-off:** Unbroken arc of 360° on the horizon.

**Mounting:** As near to the fore and aft centerline as possible



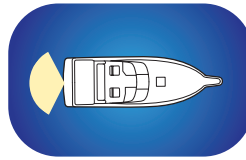
### Anchor/Masthead Lights

For boats under power up to 20m (65.6ft).

**Light Color:** White

**Cut-off:** Unbroken arc from dead ahead to 112.5° aft on either side of center line (225° total horizontal arc), plus 135° dead astern

**Mounting:** Placed over the fore and aft centerline



### Transom Lights

For boats under power up to 20m (65.6ft).

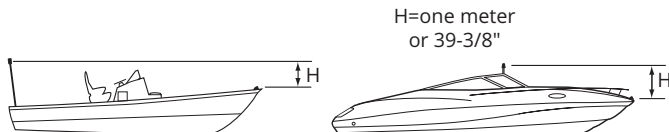
**Light Color:** White

**Cut-off:** Unbroken horizontal arc of 67.5° each side dead astern (135° total horizontal arc).

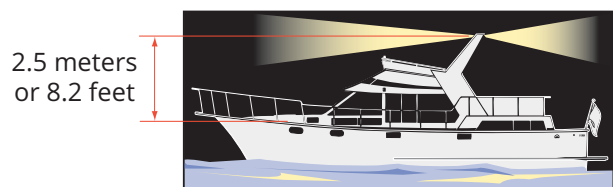
**Mounting:** As far aft as possible

## Vertical Separation of Lights

Pole length and location determines light separation. On boats under 12 m (39.4 ft.), the all-round or masthead light must be located a minimum of one meter (39-3/8") above the red-green sidelights. One meter must be the height separation measured from bulb filament centers.

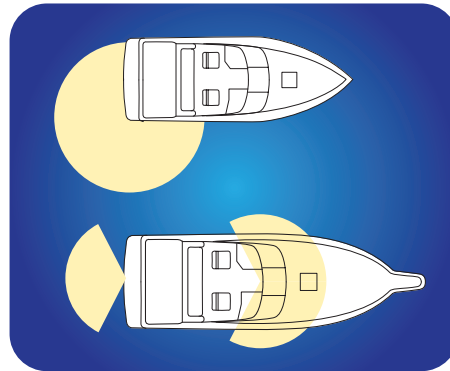


On boats of 12 to 20 m (39.4 to 65.6 ft), the masthead light must be at least 2.5 m (8.2 ft) above the gunwale.



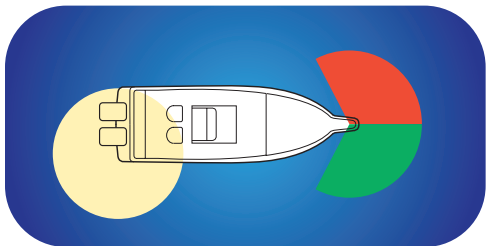
## Boats at Anchor

When anchored in other than designated areas, any boat under 50 m (164 ft.) must have a 360° white light in view (a single all-round light, a masthead and transom light, or other means).



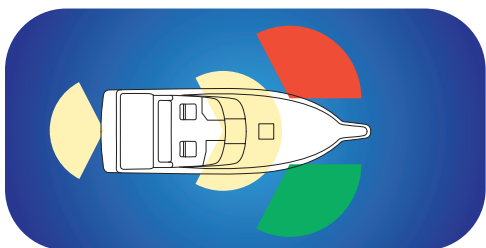
## Boats Underway

This section outlines the navigation lighting required according to current U.S. Coast Guard and 72 COLREGS (International Waters) regulations. When underway, the required navigation lights are:



### Power-driven boats less than 12 m (39.4 ft.) with max. speed over 7 knots:

- Sidelight pair or combined—1 mile
- All-Round Light—2 mile or Masthead Light—2 mile with Transom Light—2 mile.

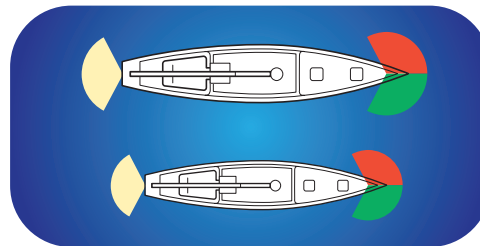


### Power-driven boats 12 to 20 m (39.4 to 65.6 ft.):

- Sidelight pair or combined—2 mile
- Masthead Light—3 mile and Transom Light—2 mile.
- All-Round Light may not be used.

### Small, Oar-Driven Boats:

- Sidelight pair or combined—1 mile
- Transom Light—2 mile
- Flashlight or lighted lantern.
- Various other light requirements are outlined in the standards regarding towing, vessels aground, and other special conditions
- Consult the Inland Navigation Rules, 72 COLREGS, or USCG for details.

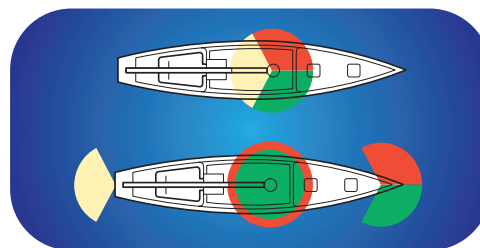


### Sailboats less than 7 m (23 ft.) under sail:

- Sidelight pair or combined—1 mile
- Transom Light—2 mile
- Flashlight or lighted lantern.

### Sailboats Under Motor Power:

When under power, sailboats are considered power boats and must operate with power boat lights as previously outlined.



### Sailboats 7 to 20 m (23 to 65.6 ft.) under sail:

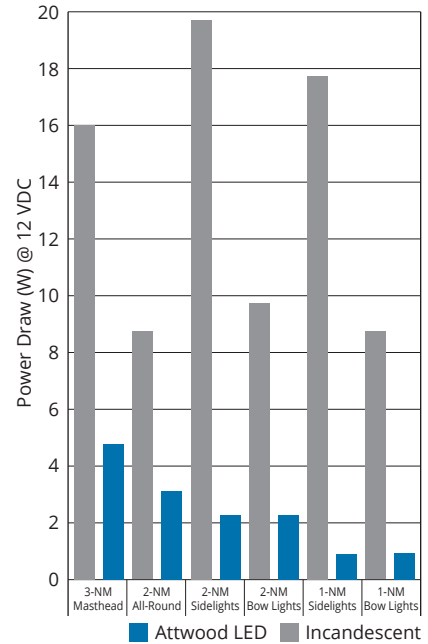
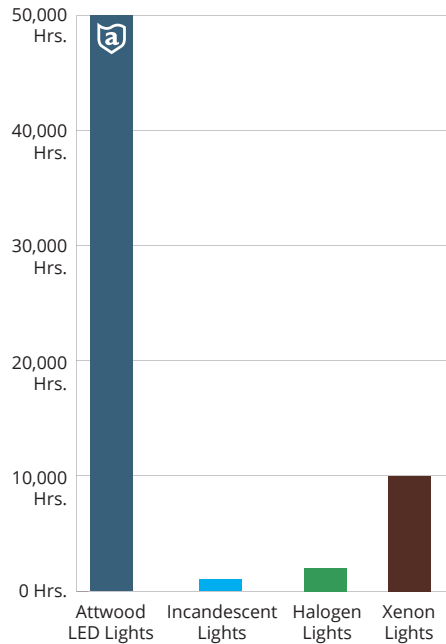
Three different light configurations may be acceptable:

1. Sidelights & Transom Light.
2. A Sidelight & Transom Light combined in one light (a Tri-Color Light) mounted at or near top of mast.
3. Sidelights & Transom Light, or two All-Round Lights, mounted at or near the top of the mast, the upper light being red and the lower green.

## Why Attwood LED?

### A New Level of Efficiency

Through the use of proprietary optical design techniques, we've optimized our lens design to harness nearly 90% of all light being generated by the LED. In doing so, our line of LED series navigational lights exceed U.S. Coast Guard requirements with the fewest and lowest watt LEDs of any navigational light manufactured today. Less energy used by navigational lighting means more energy available for powering your boat and enjoying time on the water.



### Engineered to Last

As the emerging leader in marine lighting design, Attwood understands the demands of the marine environment. Completely sealed LED units resist water intrusion, electrostatic discharge (during assembly), vibration and ultraviolet light (UV) radiation. Reverse polarity protection has been added to eliminate potential mis-wiring damage during installation. Our LED navigational lighting also features high-quality, electro-polished stainless steel covers designed to resist corrosion in even the most extreme saltwater environments. The result? Style and durability. Most importantly, Attwood lights are built to stand the test of time. Rated for 50,000+ hours of use, you can count on Attwood products to light your way for years to come.

### LED Light Engine

Positioned and sealed inside a lens assembly, the "light engine" serves as the equivalent of an LED (Light Emitting Diode). It can be easily customized to meet the needs of a builder in terms of attachment scheme and overall dimensions.



### Ready for the Global Market

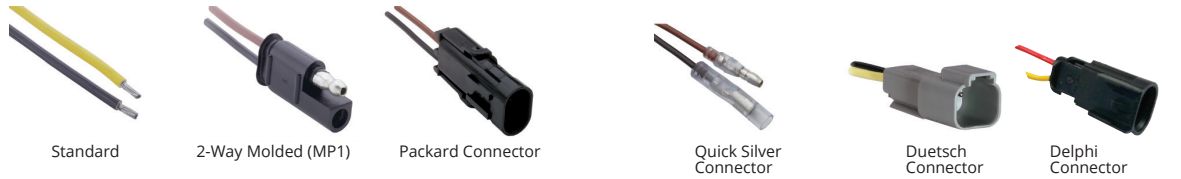
- EN/ISO 19009:2015
- ABYC A-16 & C-5
- 1972 COLREGS
- RCD 2013/53/EU
- USCG 33 CFR

## Choice of Electrical Connectors

Attwood lights feature several wire attachment styles to adapt to your boat's wiring harness. Standard wire on all lights are tinned and caulked.

Special connectors are available on special order by contacting your Attwood representative. Minimum order quantity may vary by part.

Brown – Positive, Black – Negative, Brown & White – Manual Override



## Certifications, Codes, and Standards

This section provides you with some general information on the selection and installation of navigation lights for pleasure boats of 20 m (65.6 ft.) or less. For details refer to: ABYC C-5, ABYC A-16, 72 COLREGS, Inland Navigation Rules, U.S. Code of Federal Regulations Title 33 Part IP, or international regulations. The following Attwood navigation lights are NMMA listed and meet 72 COLREGS as noted.



This symbol indicates Attwood navigation lighting products that have been certified according to the latest U.S. Coast Guard regulations.

Nav Light Type	Series	Visibility	OEM Status	NMMA Type Acceptance Number	Meets COLREGS 1972	Meets ABYC A-16/C-5	Meets ISO 19009:2015
	2500 Series Horn	—	Active	2515284	—	—	—
BiColor Sidelight	NV1002	2NM	Active	2619456	Yes	Yes	Yes
	NV2002	2NM	Active	2619457	Yes	Yes	Yes
	NV6LC	2NM	Active	2619458	Yes	Yes	Yes
	NV6SP	2NM	Active	2619459	Yes	Yes	Yes
Sidelight Pairs	NV1012	2NM	Active	2619450	Yes	Yes	Yes
	NV2012	2NM	Active	2619449	Yes	Yes	Yes
	NV3012	2NM	Active	2619453	Yes	Yes	Yes
	NV4012	2NM	Active	2619454	Yes	Yes	Yes
	NV5012	2NM	Active	2619455	Yes	Yes	Yes
	NV0002P	2NM	Active	2619536	Yes	Yes	Yes
	NV0002S	2NM	Active	2619536	Yes	Yes	Yes
	All-Round	5530	2NM	Active	2619411	Yes	Yes
5540		2NM	Active	2619411	Yes	Yes	Yes
5550		2NM	Active	2619411	Yes	Yes	Yes
5560		2NM	Active	2619411	Yes	Yes	Yes
5570		2NM	Active	2619411	Yes	Yes	Yes
5580		2NM	Active	2619411	Yes	Yes	Yes
5590		2NM	Active	2619411	Yes	Yes	Yes
Transom	6556	3NM	Active	2619513	Yes	Yes	Yes
Masthead	7800	3NM	Active	2469859	Yes	Yes	Yes

# Deck Mounted Sidelights

## LIGHTARMOR™ LED Navigation Lights: 2-Mile

LightArmor Navigation Lights have all the characteristics that signifies the premium LightArmor brand: top-quality materials, robust construction, durability, and sleek design

- Meets standards ABYC C-5 & A-16, USCG CFR 183.81
- Proprietary modular LED light engine technology
- Design flexibility and ease of installation

### Deck Mount Lights

**2-Mile Lights** For use on boats up to 65.6 ft (20 m) in length.



Description	OEM Part #	Part #
<b>Stainless Steel</b>		
2-NM, Oval, Bi-Color	NV1002SS-1	—
2-NM, Oval, Red/Green, Pair Sidelights	NV1012SS-1	—
2-NM, Round, Bi-Color	NV2002SS-1	NV2002SS-7
2-NM, Round, Red/Green, Pair Sidelights	NV2012SS-1	NV2012SSR-7† / NV2012SSG-7†
<b>Black Composite</b>		
2-NM, Oval, Bi-Color	NV1002PB-1	—
2-NM, Oval, Red/Green, Pair Sidelights	NV1012PB-1	—
2-NM, Round, Bi-Color	NV2002PB-1	NV2002PB-7
2-NM, Round, Red/Green, Pair Sidelights	NV2012PB-1	NV2012PBG-7† / NV2012PBR-7†

Oval Shape

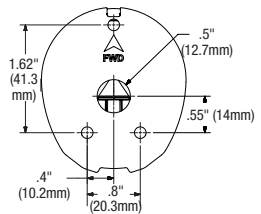
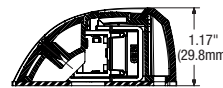


NV1012SS



NV1002SS

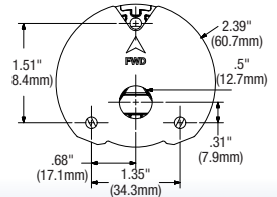
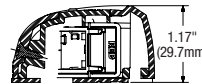
NV1002PB



Round Shape



NV2012PB



† Red/Green Sidelights packaged separately for aftermarket.



## Vertical Mount Lights

**2-Mile Lights** For use on boats up to 65.6 ft (20 m) in length.

Description	OEM Part #	Part #
<b>Stainless Steel</b>		
2-NM, Round, Red/Green Pair	NV3012SS-1	NV3012SSG-7 <sup>†</sup> / NV3012SSR-7 <sup>†</sup>
2-NM, Elliptical, Red/Green Pair	NV4012SS-1	NV4012SSG-7 <sup>†</sup> / NV4012SSR-7 <sup>†</sup>
2-NM, Oval, Red/Green Pair	NV5012SS-1	—
<b>Black Composite</b>		
2-NM, Oval, Red/Green Pair	NV5012PB-1	—

Round Shape



NV3012SS

Elliptical Shape

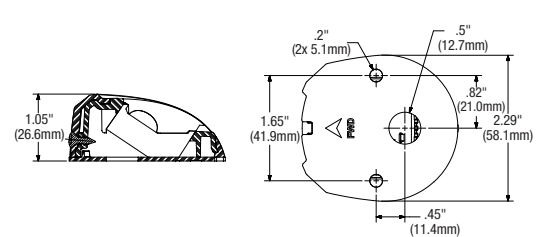
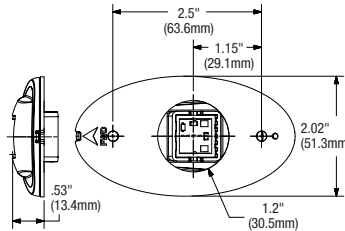
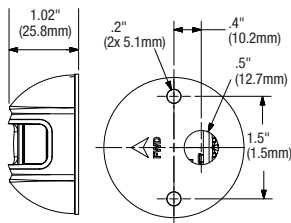


NV4012SS

Oval Shape



NV5012PB



## Modular Lights

- LIGHTARMOR LED Navigation Lights feature an innovative modular LED light engine (lens+composite component) that gives boat manufacturers customization opportunities and freedom to install navigation lights virtually anywhere on the boat (hard tops, custom housings, etc.)
- Colored filter caps provide easier installation and lowers the probability of costly rework.

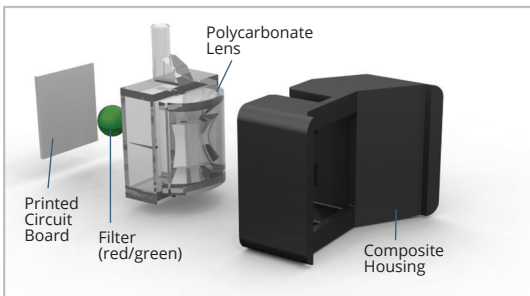
**2-Mile Lights** For use on boats up to 65.6 ft (20 m) in length.

Description	OEM Part #
2-NM, Green/Starboard Modular Sidelight	NV0002S-1
2-NM, Red/Port Modular Sidelight	NV0002P-1



NV0002S-1

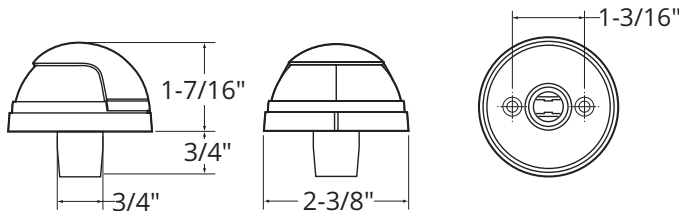
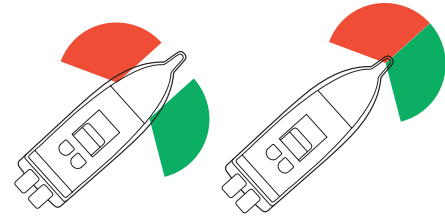
NV0002P-1



<sup>†</sup> Red/Green Sidelights packaged separately for aftermarket.

## FULSAR 5040 Series 1-Mile Sidelights

Bayonet lock design secures lens and cover to base. Includes a 9W (#906) wedge base lamp and 7" wire leads for connection to 12V DC power supply. Installs directly to deck with two #10 fasteners. Cover and lens conceal installation fasteners and seal water out of lamp and hull. For use on boats up to 39.4 ft. (12 m). 1-mile, 225° light visibility.



### Bi-Color Combination, Deck Mount

Description	OEM Part #	Part #
Black	—	5045-7

1 NM  
LEGACY  
REPLACEMENT  
ONLY



### Red/Green Pair, Deck Mount

Each light provides 1-mile, 112.5° light visibility. Includes a 9W (#906) wedge base lamp.

Description	OEM Part #	Part #
Black	—	5040R7 <sup>†</sup> / 5040G7 <sup>†</sup>

1 NM  
LEGACY  
REPLACEMENT  
ONLY

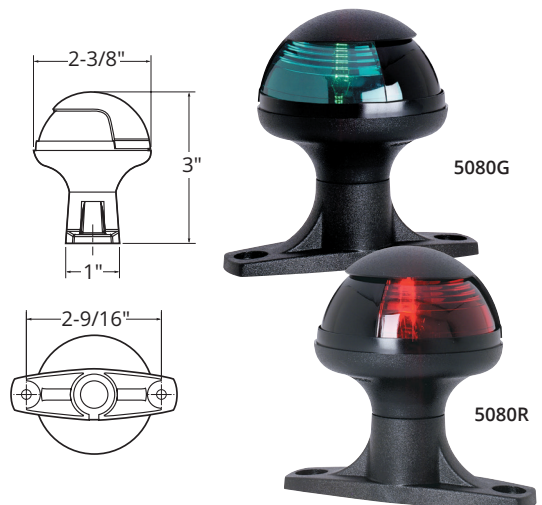


### Red/Green Pair, Raised Base

Ideal for use where light must be elevated for visibility above rails and carpeting. Each light provides 1-mile, 112.5° light visibility. For use on boats up to 39.4 ft. (12 m). Includes a 9W (#906) wedge base lamp.

Description	OEM Part #	Part #
Black	—	5080R7 <sup>†</sup> / 5080G7 <sup>†</sup>

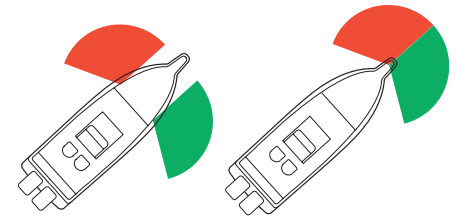
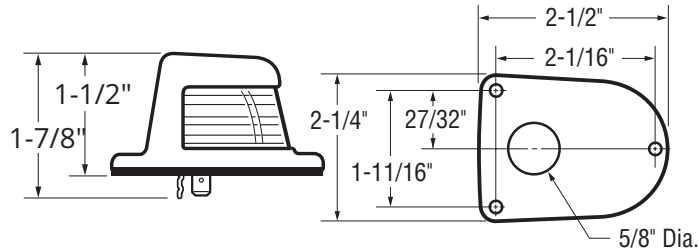
1 NM  
LEGACY  
REPLACEMENT  
ONLY



<sup>†</sup> Red/Green Sidelights packaged separately for aftermarket.

## Stainless Steel 66000 Series 1-Mile Sidelights

Constructed of corrosion-resistant 304 stainless steel, these lights provide 1-mile visibility for power boats up to 39.4 ft. (12 m). Lights include rubber gasket lens seal for enhanced internal corrosion resistance. Includes one 7.5W lamp. For connection to 12V DC power supply.



66318

### Red/Green Pair, Deck Mount

Installs with three #6 mounting fasteners (not included). Each light provides 1-mile, 112.5° light visibility.

Description	Socket	OEM Part #	Part #
Stainless Steel	7" wire lead	—	66319R7 <sup>†</sup> / 66319G7 <sup>†</sup>

1 NM  
LEGACY  
REPLACEMENT  
ONLY



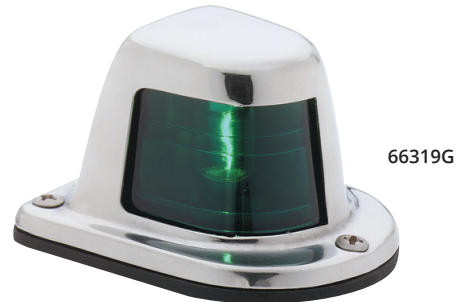
66319R

### Bi-Color Combination, Deck Mount

Installs with three #6 mounting fasteners (not included). Provides 1-mile, 225° light visibility.

Description	OEM Part #	Part #
Stainless Steel	—	66318-7

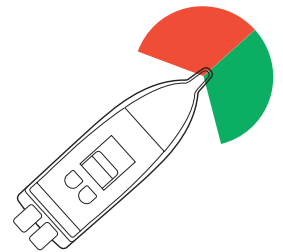
1 NM  
LEGACY  
REPLACEMENT  
ONLY



66319G

## Zamak 6300 Series 1-Mile Sidelights

These die-cast ZAMAK sidelights with Perma-Plate® finish provide 1-mile visibility for power boats up to 39.4 ft. (12 m). Mounts on decks or gunwales with external screws. Includes 7.5W lamp and 7" hard wire leads for 12V DC electrical connection.



### Bi-Color Combination, Deck Mount

Housing completely encases socket. Installs with two #8 fasteners (not included). Provides 1-mile, 225° light visibility.

Description	OEM Part #	Part #
Chrome-Plated ZAMAK	—	6375D6

1 NM  
LEGACY  
REPLACEMENT  
ONLY



6375D6

<sup>†</sup> Red/Green Sidelights packaged separately for aftermarket.

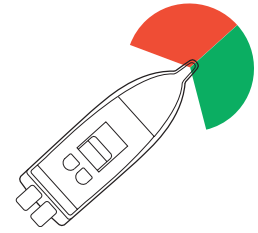
# Pole-Mounted Plug-In Sidelights

## LIGHTARMOR™ LED Bi-Color Navigation Pole Lights

LightArmor Stowaway Pole Lights have all the characteristics that signifies the premium LightArmor brand: top-quality materials, robust construction, durability, and sleek design. Available with task light option.

- Meets today's global regulatory requirements, including EN/ISO 19009:2015
- Meets standards ABYC C-5 & A-16, USCG CFR 183.810
- 2-mile visibility
- Design flexibility and ease of installation

NOTE: locking collar design is compatible only with LightArmor Plug-In Bases



### Bi-Color Pole Lights

Series	Use with Light Base
NV6LC1, NV6SP1	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡,

### Bi-Color Pole Lights with Task Light

Series	Use with Light Base
NV6LC2, NV6SP2	910R3, 910V3, 910T3, 2530‡

‡When locking collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin, Locking Collar Pole	10" Straight	NV6LC1-10-1	—
	10" Straight	NV6LC1-10B1*	—
	12" Straight	NV6LC1-12-1	—
	14" Straight	NV6LC1-14-1	NV6LC1-14-7
	16" Straight	NV6LC1-16-1	—
	20" Straight	NV6LC1-20-1	—
	10" Angled	—	NV6LC1-10A7
	12" Angled	NV6LC1-12A1	—
	14" Angled	—	NV6LC1-14A7
	19" Angled	NV6LC1-19A1	—
2-Pin, Standard Pole	10" Straight	NV6SP1-10-1	—
	12" Straight	NV6SP1-12-1	—
	14" Straight	NV6SP1-14-1	—
	16" Straight	NV6SP1-16-1	—
	20" Straight	NV6SP1-20-1	—
	10" Angled	NV6SP1-10A1	—
	12" Angled	NV6SP1-12A1	—
	14" Angled	NV6SP1-14A1	—
	19" Angled	NV6SP1-19A1	—
	3-Pin, Locking with Task	10" Straight	NV6LC2-10-1
14" Straight		NV6LC2-14-1	NV6LC2-14-7
3-Pin, Standard with Task	10" Straight	NV6SP2-10-1	—
	14" Straight	NV6SP2-14-1	—
	20" Straight	NV6SP2-20-1	—

\*Black Aluminum version

2 NM  
USCG



LIGHTARMOR™  
Plug-In Bases  
See pages 63-65



## LIGHTARMOR™ LED Bi-Color Fast Action Navigation Lights

Premium LED lights with a flexible, impact-resistant composite pole make these perfect for anglers and hunters to maneuver through low-hanging obstacles. The subtle, glare-free black matte finish complements many of today's boat designs.

- ISO 19009:2015 Certified
- Impact-resistant polycarbonate lens
- Water and Corrosion/UV resistant
- LED light engines last for 50,000 hours
- 5-year warranty

Description	Pole Length	OEM Part #	Part #
2-Pin, Locking Collar Pole	10"	NV6LC1-10BP1	—
	12"	NV6LC1-12BP1	—
	14"	NV6LC1-14BP1	NV6LC1-14BP7
	16"	NV6LC1-16BP1	—
	12"	NV6SP1-12BP1	—
3-Pin, Locking Collar Pole	14"	NV6LC2-14BP1	NV6LC2-14BP7



## PULSAR 5090 Series 1-Mile Sidelights

Attwood offers a variety of durable, stowaway, combination pole-mounted sidelights for bow mounting. Each features an anodized aluminum pole that raises the light head for visibility above trolling motors, anchors, or other equipment on the bow. When not in use, lights can be removed from base and stowed, so they won't interfere with fishing or anchoring.

### Incandescent Bi-Color Stowaway

1-mile, 225° light visibility for boats up to 39.4 ft. (12 m). Includes 9W wedge base lamp.

Series	Use with Light Base
5091, 5092	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡

‡When locking collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	10" Straight	—	5092-10-7
	14" Straight	—	5092-14-7
2-Pin Standard Pole	10" Angled	—	5091-10-7
	14" Angled	—	5091-14-7

1 NM  
LEGACY  
REPLACEMENT  
ONLY



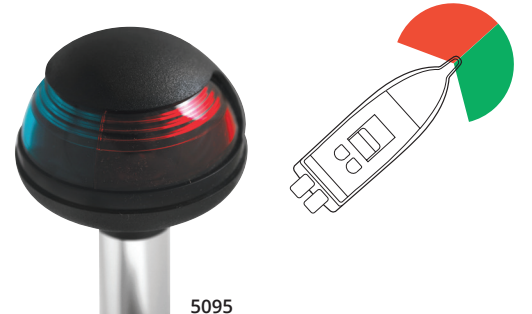
### Incandescent Bi-Color Stowaway with Task Light

Based on the same great design of the original Pulsar™ Bi-Color Pole Light, the Task Light also gives you a narrow beam work light. It features a durable rubber “push-on” switch and a micro bulb. Attwood’s Task Light output is ten times brighter than competitive models, giving today’s fishermen the tools they need for serious nighttime fishing.

Series	Use with Light Base
5095	910R3, 910V3, 910T3, 2530‡

‡When locking collar is removed.

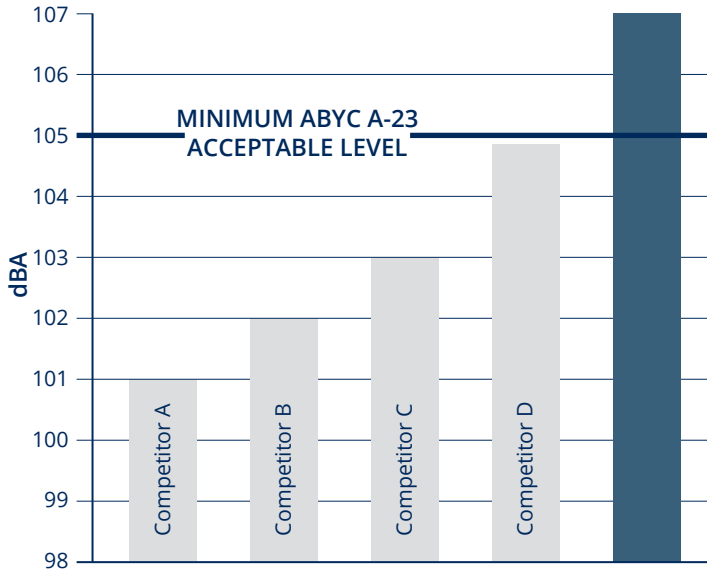
Description	Pole Length	OEM Part #	Part #
3-Pin Locking-Collar Pole	10" Straight	—	5095-10-7



## 2500 Series Horn & Light Base

Ideal solution for today's fishing boat market. Combining both horn and light base components into one integrated module, Attwood's assembly is compact, robust, and easy to install. The acoustic technology provides a louder, more effective, and higher quality sounding product than current industry offerings. Attwood's patented water management system efficiently controls water inrush and eliminates the need for a sound reducing cloth at the horn mouth.

### Exceptional Sound Quality

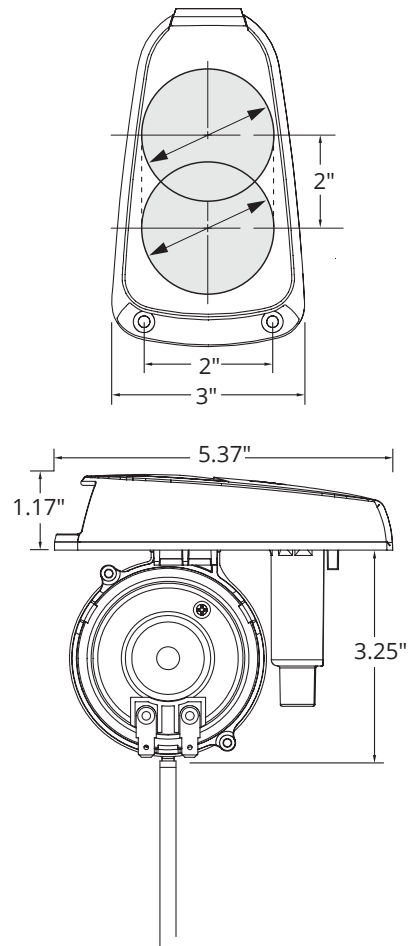


### Durable

- Stainless mesh won't tear or puncture like cloth fabric.
- Water management system prevents common horn failures.
- Rubber base cover is flexible to avoid damage if kicked or stepped on.
- Withstands 2500 lb. standing load.
- Horn uses a make/break disc diaphragm to produce a quality tone (The main competitor uses a piezoelectric horn to produce a buzzer sound).

## 2500 Series Horn & Light Base with Suggested Attwood Pole Lights

Description	Pole Length	OEM Part #	Part #
<b>Horn &amp; Light Base</b>			
2-Wire	—	2520-1	—
3-Wire	—	2530-1	—
<b>Suggested Attwood Pole Lights</b>			
2-Pin, Standard Pole	10" Straight	NV6SP1-10-1	—
	12" Straight	NV6SP1-12-1	—
	14" Straight	NV6SP1-14-1	—
	16" Straight	NV6SP1-16-1	—
	20" Straight	NV6SP1-20-1	—
3-Pin, Standard with Task	10" Straight	NV6SP2-10-1	—
	14" Straight	NV6SP2-14-1	—

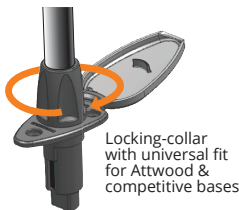


## All-Round Plug-In Lights Overview

Attwood offers a selection of durable, stowaway, pole-mounted lights. Plug-in pole lights are available in socket styles to fit most Attwood's 2- and 3-pin bases, and competitive brands of bases when the 2- or 3-pin locking-collar pole is specified.

### Pole Light Selection

Simply choose the style of light head and lens you need and select the pole style to fit your existing base. Or select a matching base best suited to your installation location. Black pole option available upon request.



Locking-collar with universal fit for Attwood & competitive bases



For Attwood standard bases

### Locking-Collar Pole with Universal Fit

Locking-collar poles offer universal fit allowing customers to use them with a wide variety of Attwood 2- and 3-pin straight or angled bases. They also work as replacements in competitive bases, including Perko® brand bases.

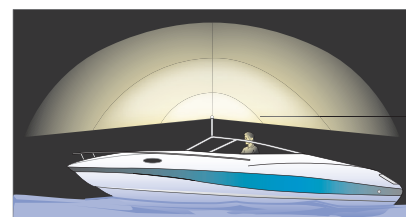
*Perko® is a registered trademark of Perko, Inc.*

### Standard Pole

Standard pole is used on Attwood all-round, masthead, transom, and bi-color pole lights. Fits all Attwood standard (non-locking-collar) 2- and 3-pin contact bases.

### 2-Mile All-Round Lights

Attwood all-round lights offer 2-mile, 360° visibility and are suitable on boats up to 39.4 ft. (12 m). Power vessels less than 39.4 ft. may show a single all-round light in lieu of a separate masthead and stern light. Attwood all-round lights are available in a variety of head, pole, and base styles to fit most boats and installation locations. On boats under 12 m, the all-round light is the most important navigation light because it can be seen by others from any direction.



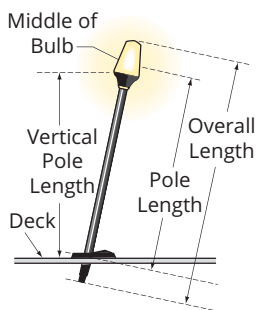
- LED Anti-Glare
- Anti-Glare Lights
- Frosted Globe Lights

Attwood offers a choice of all-round lights — Anti-Glare and Frosted Globe. Select the head, pole, and, base style that best suit your installation location and eliminate driver glare.

#### Traditional and LED Anti-Glare Lights

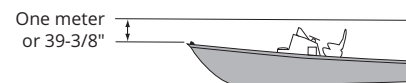
Attwood's Anti-Glare All-Round light goes beyond current regulations to reduce the danger of on-board glare. The precision lens focuses the light beam to the horizon where it's needed—360° without diffusion—keeping it out of the driver's field of view. It allows the operator to see while being sure the boat is seen. The bottom aperture eliminates glare by cutting off the light beam at 7.5° below horizontal, so it's out of the driver's view. Above horizontal, the lens shines a continuous arc of light—

allowing improved visibility even when the boat is pitching in rolling seas. The Articulating Anti-Glare Light makes it even easier to eliminate glare. The patented articulating head adjusts from 15° fore to 15° aft to fit all base angles and typical deck installations.



#### Frosted Globe Lights

Attwood's standard Frosted Globe All-Round light is also available. Offering 360° visibility.



#### One-Meter Regulation

All-round light must be a minimum of one meter (39-3/8") above the red/green sidelights on boats under 12 m (39.4 ft.). One meter must be the height separation measured from bulb filament centers.

**Note:** Frosted globe pole lights may be used with straight and angled bases. Unarticulated anti-glare pole lights must be selected to match the appropriate straight or angled base.



## All-Round Plug-In Lights

### LIGHTARMOR™ LED Fast Action All-Round Navigation Lights

Premium LED lights with a flexible, impact-resistant composite pole make these perfect for anglers and hunters to maneuver through low-hanging obstacles. The subtle, glare-free black matte finish complements many of today's boat designs.

- ISO 19009:2015 Certified
- Meets standards ABYC C-5 & A-16, USCG CFR 183.810
- Impact-resistant polycarbonate lens
- Water resistant
- Corrosion/UV resistant
- Light head adjusts 15° fore to 15° aft
- LED light engines last for 50,000 hours
- 5-year warranty



Threaded Locking Collar fits securely with LightArmor Plug-In Light Bases

5530

Description	Pole Length	OEM Part #	Part #
All-Round Light	24"	5530-24BP1	5530-24BP7
	30"	5530-30BP1	—
	36"	5530-36BP1	5530-36BP7
	42"	5530-42BP1	5530-42BP7
	48"	5530-48BP1	—
	54"	5530-54BP1	5530-54BP7
	60"	5530-60BP1	—

2 NM  
USCG

### LIGHTARMOR™ LED All-Round Articulating Light

USCG certified. Provides 2-mile 360° visibility for boats up to 39.4 ft (12m)

- LightArmor™ All-Round navigation engine
- Exclusive condensation management increases visibility
- Exclusive anti-glare engine preserves night vision
- Shock-, corrosion-, and water-proof electronics
- Durable, anodized aluminum pole
- Articulating head for use in all applications
- Strong locking-collar secures light in harsh marine conditions
- Compatible with Attwood and popular bases
- Operating range = 10.5V DC - 14.4V DC
- Over 50,000 hour life
- 5-year warranty



5530

Series	Use with Light Base
5530	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	12"	5530-12T1	—
	24"	5530-24T1	5530-24A7
	36"	—	5530-36A7
	42"	5530-42T1	5530-42A7
	48"	5530-48T1	5530-48A7
	54"	5530-54T1	5530-54A7
	54", Black	5530-54TB1	—
	60"	5530-60T1	5530-60A7
	66"	5530-66T1	—
	72"	5530-72T1	—
	2-Pin Standard Pole	60"	5560-60-1
72"		5560-72-1	—



OEM Threaded Locking Collar

Aftermarket Dual Locking Collar

2 NM  
USCG

‡When locking collar is removed.

## LIGHTARMOR™ LED All-Round All-Round Folding Pole Light

USCG certified. Provide 2-mile, 360° visibility for boats up to 39.4 ft. (12 m)

- Meets standards ABYC C-5 & A-16, USCG CFR 183.810
- LightArmor™ All-Round navigation engine
- Exclusive condensation management increases visibility
- Exclusive anti-glare engine preserves night vision
- Shock-, corrosion-, and water-proof electronics
- Durable, anodized aluminum pole
- Standard 2-pin
- Compatible with Attwood and popular bases
- Operating range = 10.5V DC - 14.4V DC
- Over 50,000 hour life
- 5-year warranty

Series	Use with Light Base
5540, 5570	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡

‡When locking collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	42"	5540-42T1	—
	48"	5540-48T1	—
	54"	5540-54T1	5540-54A7
	60"	5540-60T1	—
	72"	5540-72T1	—
	72"	5540-72TB1*	—
	84"	5540-84T1	—
2-Pin Standard Pole	60"	5570-60-1	—
	72"	5570-72-1	—

‡When locking collar is removed. \*Black Aluminum version



## Incandescent All-Round Articulating Anti-Glare Light

Attwood's Anti-Glare lights are a great improvement over conventional all-round lights. They focus light at the horizon and above, not in the driver's eyes.

The bottom aperture reduces glare at 7.5° below horizontal. Above horizontal, the lens shines a continuous arc of light in rolling seas. The patented articulating head adjusts from 15° forward to 15° aft. Simply align the lens to the horizon and tighten the adjustment screw. Makes the boat more visible to taller craft such as freighters and commercial vessels.

The All-Round Articulating Anti-Glare Light simplifies inventory for builders and retailers, since one light fits most angles and installations. The locking-collar pole allows installation in 95% of existing bases — Attwood models as well as competitive bases such as Perko® brand, which simplifies installation for consumers.

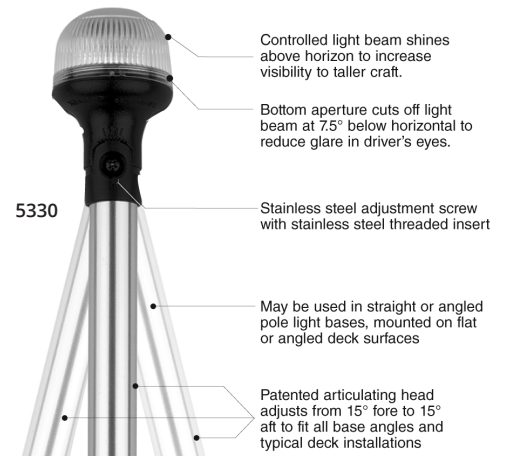
Perko® is a registered trademark of Perko, Inc.

Series	Use with Light Base
5330	910R2, 901V2, 910T2, 2520* 911339*, 911370*

\* When locking-collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	42"	—	5330-42-7
	48"	—	5330-48-7

2 NM  
LEGACY  
REPLACEMENT  
ONLY



### Incandescent All-Round Folding Pole Light

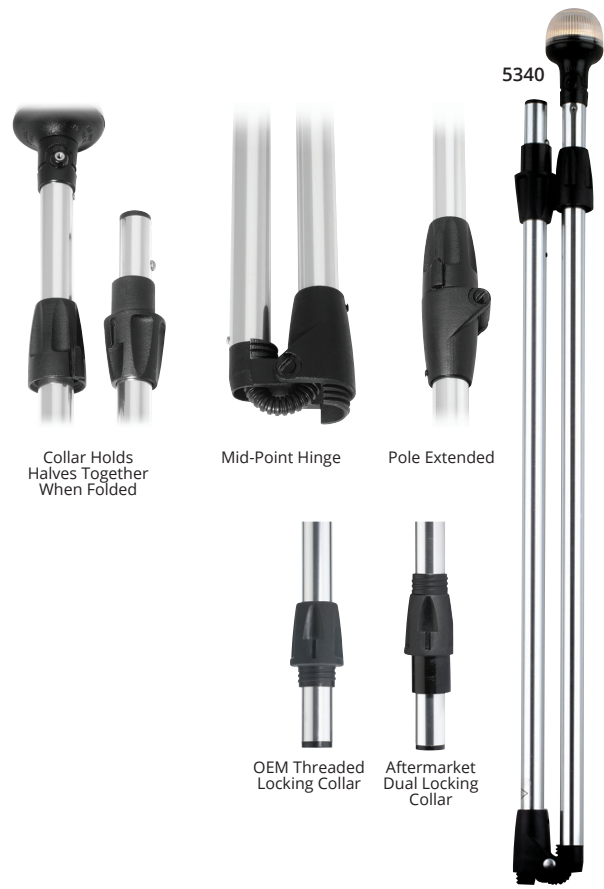
All-round lights must be at least one meter above sidelights, which requires a longer pole light that is difficult to store for some boats. Attwood's All-Round Folding Pole light solves this problem. It has all the features of the patented Articulating Anti-Glare Light, plus one great advantage — the removable pole folds in half for easy storage. The mid-point hinge is a corrosion-resistant, glass-filled composite. Wiring is sheathed at the hinge for trouble-free operation.

Series	Use with Light Base
5340	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡

‡When locking collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	54"	—	5340-54-7

**2 NM**  
LEGACY REPLACEMENT ONLY



### Incandescent All-Round Frosted Globe Light

Provides 2-mile, 360° illumination for boats up to 39.4 ft (12 m).. Includes 9W wedge-base lamp.

Series	Use with Light Base
5100, 5110	910R2, 910V2, 910T2, 2520‡, 911339‡, 911370‡

‡When locking collar is removed.

Description	Pole Length	OEM Part #	Part #
2-Pin Locking-Collar Pole	24"	—	5110-24-7
	30"	—	5110-30-7
	36"	—	5110-36-7
	42"	—	5110-42-7
	48"	—	5110-48-7
	54"	—	5110-54-7

**2 NM**  
LEGACY REPLACEMENT ONLY



### Incandescent Telescoping Pole Light

Stores easily in less space than a conventional All-Around light and can be removed quickly from any Attwood pole light base. Aluminum pole telescopes from 30" to 48". Provides 2-mile, 360° illumination for boats up to 39.4 ft (12 m). Includes 12W lamp.

Description	Pole Length	OEM Part #	Part #
Telescoping Pole Lights	30" - 48"	—	5610-48-7

**2 NM**  
LEGACY REPLACEMENT ONLY



## Incandescent Stowaway Light with Plug-In Base

Swivel cover on base protects the socket when light is stowed. Base extends just 3" below deck. 4" L x 1-5/8" W x 1-3/8" dia. Provides 2-mile, 360° illumination for boats up to 39.4 ft (12 m). Includes 911339 base and 9W wedge-base lamp. Three countersunk holes for #10 fasteners.

Description	Pole Length	OEM Part #	Part #
2-Pin Standard Pole with 911339 Base	24"	—	7100A7
	30"	—	7100B7
	36"	—	7100C7

**2 NM**  
LEGACY REPLACEMENT ONLY



## Plug-in Bases for Pole-Mounted All-Round and Sidelights

### LIGHTARMOR™ Plug-In Bases

LightArmor™ Plug-In Light Bases are designed for premium performance, durability, and attractive styling that helps them stand out. This combination of intelligent design and engineering make them worthy of the Light Armor name.

#### They're a Sure Fit

The threaded design feature fits perfectly with the threaded locking collar now offered across the entire line of Attwood pole lights. This unique system ensures a tight and secure fit that prevents annoying rattling while underway or trailering.

#### Plenty of Style Choices

The upgraded styling and appearance comes in three popular shapes and a range of material finishes, including Composite, 316 Stainless Steel, and Stainless Steel Overmold, that are sure to appeal to everyone.

#### Other Key Features

- Unique cover design ensures that the cover stays in place
- Low-profile prevents water from pooling on the top surface
- 2-and 3-pin options

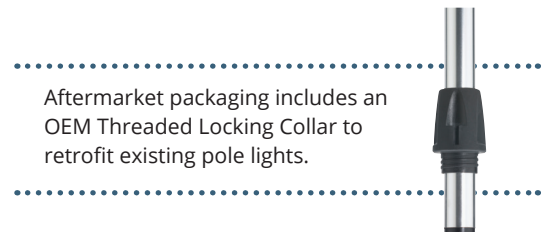


910V Series: Rectangle

**LIGHTARMOR™**  
PLUG-IN BASES

910R Series: Round

910T Series: Teardrop



Aftermarket packaging includes an OEM Threaded Locking Collar to retrofit existing pole lights.

### LIGHTARMOR™ 910V Series Rectangle Base

Classic rectangle design is available in Black Composite and 316 Stainless Steel.

Light Base	Use with Pole Light	
910V2	<b>LED Anti-Glare:</b> 5530 and 5540 Series <b>Bi-Color:</b> NV6LC1, 5092, and 5091 Series <b>Frosted Globe:</b> 5110 Series <b>Anti-Glare:</b> 5310, 5320, 5330, and 5340 Series	
910V3	<b>Bi-Color:</b> NV6LC2 and 5095 Series	
Description	OEM Part #	Part #
2-Pin Light Base		
Black Composite Cover	910V2PB-1	910V2PB-7
316 Stainless Steel	910V2SS-1	910V2SS-7
3-Pin Light Base		
Black Composite Cover	910V3PB-1	910V3PB-7
316 Stainless Steel	910V3SS-1	910V3SS-7



910V2PB

910V2SS

## LIGHTARMOR™ 910R Series Round Base

Round base is available in Black Composite, and 306 Stainless Steel Overmold (black and white).

Light Base	Use with Pole Light
910R2	<b>LED Anti-Glare:</b> 5530 and 5540 Series <b>Bi-Color:</b> NV6LC1, 5092, and 5091 Series <b>Frosted Globe:</b> 5110 Series <b>Anti-Glare:</b> 5310, 5320, 5330, and 5340 Series
910R3	<b>Bi-Color:</b> NV6LC2 and 5095 Series

Description	OEM Part #	Part #
<b>2-Pin Light Base</b>		
Black Composite Cover	910R2PB-1	910R2PB-7
Overmold 306 Stainless Steel Black Cover	910R2PSB-1	910R2PSB-7
Overmold 306 Stainless Steel White Cover	910R2PSW-1	—
<b>3-Pin Light Base</b>		
Black Composite Cover	910R3PB-1	910R3PB-7
Overmold 306 Stainless Steel Black Cover	910R3PSB-1	910R3PSB-7



## LIGHTARMOR™ 910T Series Teardrop Base

Elegant teardrop base is available in Black Composite, and 306 Stainless Steel Overmold (black and white).

Light Base	Use with Pole Light
910T2	<b>LED Anti-Glare:</b> 5530 and 5540 Series <b>Bi-Color:</b> NV6LC1, 5092, and 5091 Series <b>Frosted Globe:</b> 5110 Series <b>Anti-Glare:</b> 5310, 5320, 5330, and 5340 Series
910T3	<b>Bi-Color:</b> NV6LC2 and 5095 Series

Description	OEM Part #	Part #
<b>2-Pin Light Base</b>		
Black Composite Cover	910T2PB-1	910T2PB-7
Overmold 306 Stainless Steel Black Cover	910T2PSB-1	910T2PSB-7
<b>3-Pin Light Base</b>		
Black Composite Cover	910T3PB-1	910T3PB-7
Overmold 306 Stainless Steel Black Cover	910T3PSB-1	910T3PSB-7



## Square 2-Pin Base for Straight Poles

2-pin base for traditional-style Attwood pole lights, constructed of nylon. Hinged cover snaps closed to keep dirt and water out when light is stowed. Socket is keyed to prevent incorrect insertion of pole lights. Four countersunk holes for installation of fasteners. Includes 7-1/2" hard wire leads for connection to 12V DC power supply.

- Dimensions: 2-1/4" x 1-3/4". 1-1/4" diameter installation hole size.
- Contacts are nickel-plated to resist corrosion and multi-crimped for durability.
- Wire leads are tinned for corrosion-resistance.

Light Base	Use with Pole Light
911370	<b>LED Anti-Glare:</b> 5570 Series <b>Bi-Color:</b> 5091 Series <b>Frosted Globe:</b> 5100 Series <b>Anti-Glare:</b> 5300 Series

Description	OEM Part #	Part #
2-Pin, Black	911370-1	—



## Vertical Mount with Pin Contacts for Straight Poles

Can be mounted on flat windshield frame and includes a "V" adapter for mounting on angled windshield frame. Also for use as a transom mount in open utility boats. Black plastic with hinged lid that closes to keep dirt and water out when stowed away. Two holes for #8 screws. Includes 7-1/2" hard wire leads for connection to 12V DC power supply.

- Dimensions: 4-1/4" x 1-1/2" x 1-1/8"
- Contacts are nickel-plated to resist corrosion and multi-crimped for durability.
- Wire leads are tinned for corrosion-resistance.

Light Base	Use with Pole Light
911370	<b>LED Anti-Glare:</b> 5570 Series <b>Bi-Color:</b> 5091 Series <b>Frosted Globe:</b> 5100 Series <b>Anti-Glare:</b> 5300 Series
Description	OEM Part # Part #
2-Pin, Black	911490-1 —

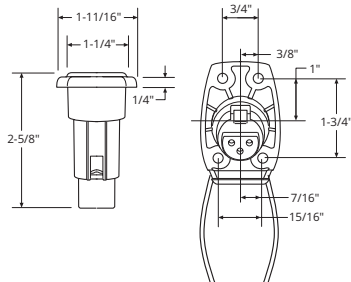


## Oval 2-Pin Base for Angled Pole

This resilient 2-pin base is used for angled pole lights with locking-collars. Ideal for installation in close quarters, such as narrow gunwales or deck areas. Narrow base has a soft rubber cover with a gasket to seal the socket.

- Contacts are nickel-plated to resist corrosion and multi-crimped for durability.
- Wire leads are tinned for corrosion-resistance.

Light Base	Use with Pole Light
91022	<b>Frosted Globe:</b> 5110 Series <b>Anti-Glare:</b> 5310, 5330 and 5340 Series <b>LED Anti-Glare:</b> 5530 and 5540 Series <b>Bi-Color:</b> 5091 Series
Description	OEM Part # Part #
2-Pin, Black	91022-1 91022-7



## Rectangle 2-Pin Base for 12° Angled Pole

Swivel cover protects the socket when light is stowed away. Socket is keyed to prevent incorrect insertion of pole light. Three countersunk holes for installation fasteners. Includes 7-1/2" hard wire leads for connection to 12V DC power supply.

- Dimensions: 4" x 1-5/8". 1-3/8" dia. installation hole size.
- Contacts are nickel-plated to resist corrosion and multi-crimped for durability.
- Wire leads are tinned for corrosion-resistance.

Light Base	Use with Pole Light
911339	<b>Frosted Globe:</b> 5110 Series <b>Anti-Glare:</b> 5300 Series <b>Bi-Color:</b> 5091 Series
Description	OEM Part # Part #
2-Pin, ZAMAK	911339-1 911339-7
2-Pin, ZAMAK, black	911339B —



## PowerBase Series

The intelligent, automated folding light and Antenna.

### Why PowerBase

PowerBase easily stows and deploys lights and antennas with the push of a button

PowerBase is the only intelligent light/antenna with object detection technology

- SafeGuard Breakaway – In the event of an impact, PowerBase will breakaway towards stowed position preventing potential damage to fiberglass top.
- SmartDeploy Backdrive – In the event of a blocked deployment, PowerBase senses an obstruction and reverses the light/antenna back to its starting position.

PowerBase is designed for worry-free installation and operation from assembly line to marina

- Standardized mounting patterns allow for upgradeability.
- Intuitive control without switch limitations.

PowerBase is compatible/built with the leading industry equipment

- For use with antennas up to 8 ft. in length (Powerbase Antenna).
- Available in masthead and all-round configurations featuring Attwood's LightArmor LED technology (PowerBase Light).



### Additional Features

Powered Fold-down Control at the Helm	Easily fold down navigation lights and antennas without needing to dangerously climb seats, ladders, or gunwales
Safeguard Breakaway	Keep peace of mind knowing that upon impact with a bridge or branch, unit will breakaway preventing damage to your light, antenna, and hard-top
SmartDeploy Backdrive	Deploy lights and antennas without worry as the unit senses obstructions and automatically retracts – all the while notifying you of the obstruction
Intuitive Control Without Switch Limitations	Simplistic control scheme ensures boaters are always kept in control, without forcing proprietary switches
Visual System State Feedback	LED feedback makes boaters aware of failures to ensure that they're always compliant, even if there is a mechanical/electronic failure on the vessel
Uses Existing Standardized Mounting Patterns	Ensures builders and boaters alike can utilize existing tooling to replace current manual fixtures
Follows Existing Wiring Paths	Wiring follows path of existing manual fold-down lights to the digital/analog switch for feedback and control
Manual Adjustment Failsafe	Easy to use manual override ensures boaters can always deploy lights in the event of system failure
180° Range of Motion	PowerBase may be mounted so that the light/antenna folds toward a boat's stern or bow

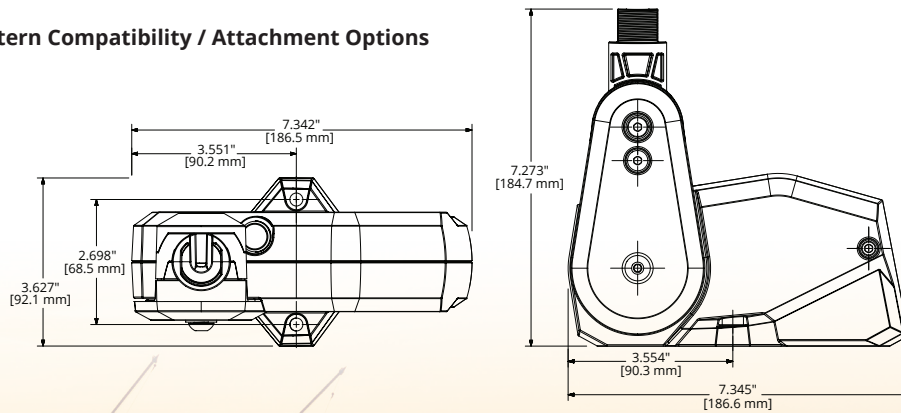




Part #	PowerBase Antenna	PowerBase Light	LightArmor All-Round Navigation Light			LightArmor Masthead/Anchor Navigation Light		
			OEM	AFT		OEM	AFT	
	6100-AT-1 (OEM)	6100-LT-1 (OEM)	24"	5590-24-1	5590-24-7	24"	7800-24-1	7800-24-7
	6100-AT-7 (AFT)	6100-LT-7 (AFT)	30"	5590-30-1	5590-30-7	—	—	—
			36"	5590-36-1	5590-36-7	36"	7800-36-1	7800-36-7
			42"	5590-42-1	5590-42-7	42"	7800-42-1	7800-42-7
Compatibility	Compatible with all leading 1-1/4" threaded VHF Antennas (8ft or less length)	Compatible with Attwood LightArmor LED All-Round and Masthead Nav Lights	For powered vessels under 39.4'			For powered vessels between 39.5'-65'		

Description	Part #
Shear Pin for PowerBase	6001-7

**PowerBase Mounting Pattern Compatibility / Attachment Options**



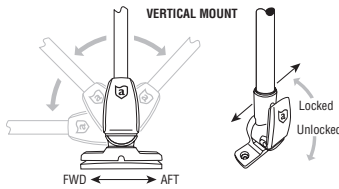
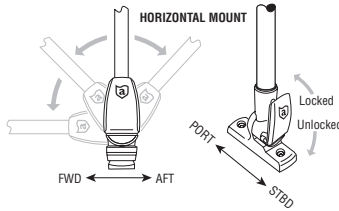
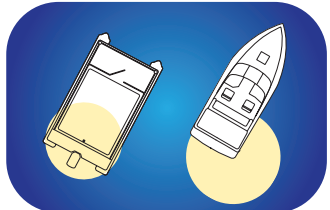
# All-Round Fold-Down Lights

All Attwood All-Round Fold-Down Navigation Lights include a durable, easy-to-use, easy-to-install, LightArmor™ Fold-Down Base.

- Robust design provides easy, single-handed cam-lock operation
- Built to last in harsh marine environments

## LIGHTARMOR™ LED All-Round Fold Down Navigation Lights

- Meets standards ABYC C-5 & A-16, USCG CFR 183.810, USCG certified
- Provides 2-mile, 360°, illumination for boats up to 39.4 ft. (12m)
- Operating range = 10.5V DC - 14.4V DC
- LightArmor™ All-Round navigation light engine
- Exclusive anti-glare engine preserves night vision
- Shock-, corrosion-and water-proof electronics
- Durable, anodized aluminum pole
- Articulating head for use in all applications
- Includes LightArmor Fold-Down Base



**LED Articulating Anti-Glare**  
 Draws 20% less power than traditional all-round lights  
**5550 Series**



5550-PB24-1



913670

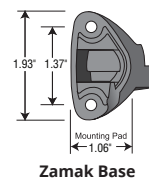
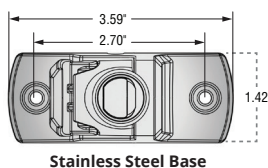
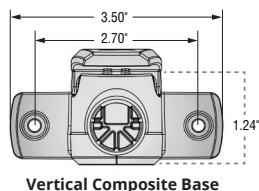
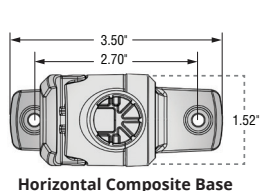


913671



Base	Mount	Pole Length	OEM Part #	Part #
<b>LED ANTI-GLARE LIGHTS</b>				
ZAMAK base	Horizontal	12" Aluminum Pole	5550-12Z1	—
		20" Aluminum Pole	5550-20Z1	—
		24" Aluminum Pole	5550-24Z1	—
		30" Aluminum Pole	5550-30Z1	—
		36" Aluminum Pole	5550-36Z1	—
Stainless steel base	Horizontal	42" Aluminum Pole	5550-42Z1	—
		12" Aluminum Pole	5550-S12-1	—
		18" Aluminum Pole	5550-S18-1	—
		24" Aluminum Pole	5550-S24-1	—
		30" Aluminum Pole	5550-S30-1	—
Composite base; Black	Horizontal	36" Aluminum Pole	5550-S36-1	—
		42" Aluminum Pole	5550-S42-1	—
		7" Aluminum Pole	5550-P07-1	—
		12" Aluminum Pole	5550-P12-1	—
		20" Aluminum Pole	5550-P20-1	—
Composite base; Black	Horizontal with Adaptor	24" Aluminum Pole	5550-P24-1	—
		24" Black Anodized Aluminum Pole	5550-PB24-1	—
		12" Aluminum Pole	—	5557-P12A7 <sup>▣</sup>
Composite base; Black	Vertical	12" Plastic; Black Pole	—	5558-P12A7 <sup>▣</sup>
		20" Aluminum Pole	—	5550-PA20-7 <sup>▣</sup>
Composite base; Black	Vertical	24" Aluminum Pole	5551-P12-1	—
		24" Aluminum Pole	5551-P24-1	—
Composite base; Black	Vertical with Adaptor	12" Aluminum Pole	5557-PV12A7	—
		20" Aluminum Pole	—	5551-PA20-7 <sup>▣</sup>
<b>FOLD-DOWN ADAPTOR</b>				
Rail Mount Adaptor, Black Composite			913670-1	—
Rail Mount Adaptor, Stainless Steel			913671-1	—

▣ All Aftermarket Packaged lights include Rail Mount Adaptor



Horizontal Composite Base

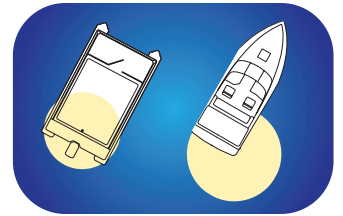
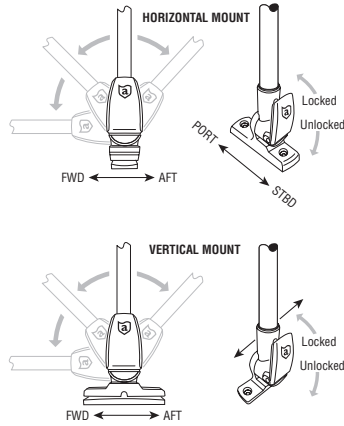
Vertical Composite Base

Stainless Steel Base

Zamak Base

## Incandescent All-Round Fold-Down Lights

- Provides 2-mile, 360°, illumination for boats up to 39.4 ft. (12m)
- Incandescent All-Round navigation light engine
- Shock-, corrosion-and water-proof electronics
- Durable, anodized aluminum pole
- Anti-glare lens preserves night vision
- Meets USCG standards
- Assembled with Attwood's new LightArmor bases
- Black composite cam-lock base
- Stainless steel cam-lock base
- Zamak knob-style base

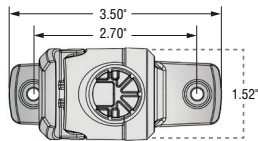


**Articulating Anti-Glare**  
Include 9W wedge base lamp  
**5350 Series**

**2 NM**  
**LEGACY REPLACEMENT ONLY**

Description	Pole Length	OEM Part #	Part #
<b>ANTI-GLARE LIGHTS</b>			
Composite Base; Black-Horizontal Mount with Adaptor	12" Aluminum	—	5350-PA12-7 <sup>Ⓜ</sup>
	12" Black Plastic	—	5358-P12-7 <sup>Ⓜ</sup>
	20" Aluminum	—	5350-PA20-7 <sup>Ⓜ</sup>
<b>FOLD-DOWN ADAPTOR</b>			
Rail Mount Adaptor, Black Composite		913670-1	—

<sup>Ⓜ</sup> All Aftermarket Packaged lights include Rail Mount Adaptor



**Horizontal Composite Base**

913670



## All-Round Fixed Base Lights

### LIGHTARMOR™ LED Waketower All-Round Light

Compact size designed for installation on a wakeboard tower, radar arch, hard top, poling platform, tuna tower, or other fixed structure. Direct LED replacement for Attwood's incandescent 5940 series. For pleasure craft up to 39.4 ft (12 m).

- Two-mile, 360° visibility
- Fully sealed electronics
- Tab release

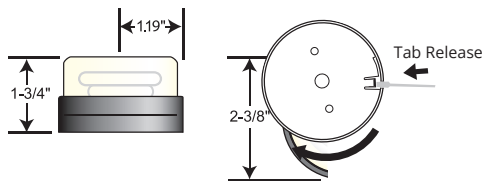
Description	OEM Part #	Part #
6" Wire Leads	5580-1	5580A7
12" Wire Leads, No Sleeve	5582-1	—
16' Wire Leads	5581-1	—
Replacement Base	5580-03	—



5580



5580-03



### Incandescent All-Round Deck Mounted Lights

7-inch leads for connection to 12V DC power supply. Bayonet lock secures lens and cover to base and provides easy lamp replacement. Includes a 9W wedge base lamp. Installs directly to deck with two required #10 fasteners.

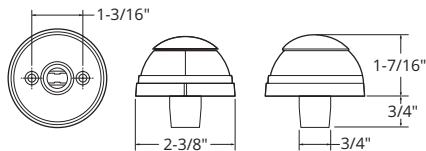
#### Deck Mount

Light mounts flush, making it ideal for installation atop the tow piece on ski or wakeboard boat towers.

Description	OEM Part #	Part #
Deck Mount, Black	—	5940-7



5940



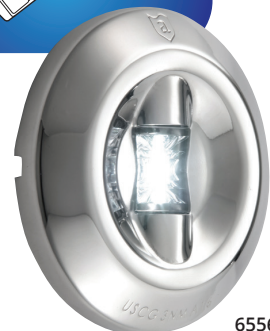
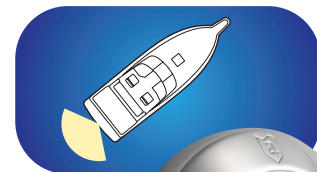
## Transom Lights

### LED 3-Mile Transom Light

For pleasure craft up to 65.6 ft. (20m) in length. Creating 135 degrees of light at 3-mile of visibility. A truly unique design, Attwood's transom light includes a luxurious electropolished stainless cover that is both durable and great looking. Easy-to-install surface mount design utilizes a snap feature to eliminate exposed fasteners. 3" diameter.

- One of the thinnest lights available - 1/2" height
- Compatible with both Attwood and Perko® mounting holes
- Meets standards ABYC C-5 & A-16, USCG CFR 183.810

Description	OEM Part #	Part #
Stainless Steel	6556-1	6556-7



6556

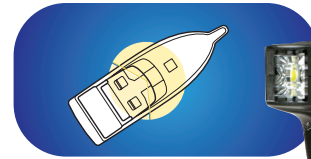
# Anchor/Masthead Lights

## LIGHTARMOR™ LED Anchor/Masthead Lights

Attwood is proud to introduce one of the most innovative navigational lighting products available today. Achieving 3NM of 360° visibility, while drawing a fraction of the power of traditional incandescent lights, Attwood's 3NM LightArmor™ LED Masthead/Anchor light is one of the first of its kind. Constructed of corrosion resistant composites with stainless steel accents, this product was designed for harsh coastal marine environment.

- USCG certified for boats up to 65' (20m)
- Meets standards ABYC C-5 & A-16, USCG CFR 183.810
- Provides 3-mile, 360° illumination
- Shock-, corrosion-and water-proof electronics
- Durable, anodized aluminum pole
- Includes LightArmor Fold-Down Base
- Over 50,000 hour life
- 5-year warranty

Description	Rated Voltage	Pole Length	OEM Part #	Part #
Stainless Steel - Horizontal Mount	12V	12" Aluminum	7812-S-1	7812-S-7
	12V	24" Aluminum	7824-S-1	—
	12V	36" Aluminum	7836-S-1	—
	12V	42" Aluminum	7842-S-1	—
Gasket for Stainless Steel Base (sold separately)			913804-1	—
ZAMAK - Horizontal Mount	12V	12" Aluminum	7812Z1	—
	12V	26" Aluminum	7826Z1	—



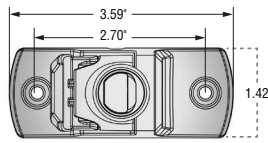
7812

3 NM  
USCG

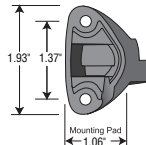
LIGHTARMOR™  
Stainless Steel  
Horizontal Base



Stainless Steel Base



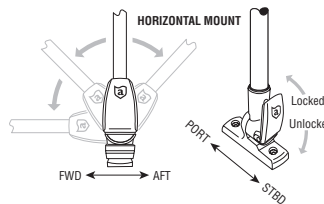
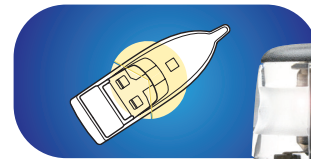
ZAMAK Base



## Incandescent Anchor/Masthead Lights

Three-mile, 360° light visibility for use on boats up to 65.6 ft. (20 m). Assembly includes new LightArmor™ bases.

- Robust and easy to use
- Freshwater and saltwater compatible
- Simple, one-piece lens is sealed from water
- Concealed, protected wiring at the base
- Uses two festoon-style 8W lamps
- Typical installation requires (2) #10 stainless steel screws of length suitable for deck or rail material
- Will collapse and not break if accidentally hit



913671

3 NM  
LEGACY  
REPLACEMENT  
ONLY

Description	Base	Rated Voltage	Pole Length	OEM Part #	Part #
Horizontal Mounted with rail adaptor	Composite; Black	12V	12" aluminum	—	7201-P-7
	Composite; Black	12V	20" aluminum	—	7202-P-7
Rail Mount Adaptor for Fold-Down light base	Composite; Black	—	—	913670-1	—
	Stainless Steel	—	—	913671-1	—

913670



# Spotlights



**3 YEAR WARRANTY**

## Precision Wireless Controlled Spotlight

- Universal 12V/24V circuit with bright 100W, H3 halogen bulb
- UV resistant, IP56 Weatherproof ABS housing and Lexan® lens
- O-ring sealed housing, designed for the harsh marine environment - moisture, salt, shock and vibration tested
- Universal snap-in mounting system (can be mounted upside down)
- Super-quiet, all-weather motor with limit stops provides a full range of coverage
- 370° sweep and 120° tilt (75° up and 45° down)
- One-touch auto sweep and S.O.S. function
- Wireless dash mount remote standard; (hard wired & handheld remotes are optional)
- Three-year limited warranty
- Available in white, black and chrome



Bulb:	100 Watt, H3 Halogen
Power (Input voltage):	12V or 24V
Current draw (idle/in use):	0.03A / 7.0A
Peak Beam Intensity:	210,000 Cp
Peak Beam Distance:	917 ft (280 m)
Lux @ 66' (20 m):	525 Lux
Coverage at 66' (20 m):	132 sq ft (12 sq m)
Rotation:	370° (built in limit stops)
Tilt:	120° Tilt (75° up & 45° down)
Wireless range:	200 ft (65 m)
Dimensions:	7.5"W x 7.5"H x 9.25"D (19 x 19 x 23.5 cm)
Weight:	3.30 lbs (1.5 kg)
Housing material:	UV resistant PC/ASA
Lens material:	UV resistant Lexan®
operating temp range:	5°F-113°F (-15°C-45°C)
IP Rating:	IP56 (see inside back cover)

## Spotlights

**TRANSITIONING 2025**

Description	Color	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12V/24V, 100 Watt	white	SPL-12W	—	SPL-12W-4	—
12V/24V, 100 Watt	black	SPL-12B	—	SPL-12B-4	—
12V/24V, 100 Watt	chrome	SPL-12C	—	SPL-12C-4	—
12V, 100 Watt	white	—	SPL-12W.OEM	—	SPL-12W.OEM-1
12V, 100 Watt	black	—	SPL-12B.OEM	—	SPL-12B.OEM-1
12V, 100 Watt	chrome	—	SPL-12C.OEM	—	SPL-12C.OEM-1
24V, 100 Watt	white	—	SPL-24W.OEM	—	SPL-24W.OEM-1
24V, 100 Watt	black	—	SPL-24B.OEM	—	SPL-24B.OEM-1

## Replacement Bulbs

**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
12V, H3 Halogen	202319	202319
24V, H3 Halogen	202320	202320



**TRANSITIONING 2025**

Select Marincó items will become Attwood branded. Same great product, but now available through Attwood.

## Remote Options

**TRANSITIONING 2025**

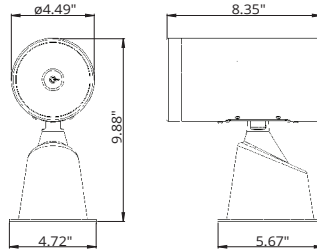


Marinco Part #	SPLR-2 (Included)	SPLR-1 (Included)	SPLR-3 (Included)
Attwood Part #	SPLR-2-4 (Included)	SPLR-1-4 (Included)	SPLR-3-4 (Included)
Remote Specifications	Wireless Communication Bridge Remote	Hand Held Bridge Remote	Wired Bridge Remote
Power	12V or 24V (hard wired)	CR2450 button cell battery	12V or 24V (hard wired)
Current draw (idle / in use)	negligible	negligible	negligible
Wireless range	200 ft (65m)	200 ft (65m)	—
Estimated battery life	—	> 40 hours (continuous use)	—
Dimensions	3.5"W x 2.25"H x .75"D 88 x 57 x 19 mm	2.0"W x 3.78"H x 1"D 51 x 96 x 25 mm	3.5"W x 2.25"H x .75"D 88 x 57 x 19 mm
Weight	2.12 oz (60g)	2.82 oz (80g)	2.12 oz (60g)
Housing material	UV resistant PC/ASA	UV resistant PC/ASA	UV resistant PC/ASA
Button material	Silicone (glow in the dark)	Silicone (glow in the dark)	Silicone (glow in the dark)
Operating temp range	5°F-113°F (-15°C-45°C)	5°F-113°F (-15°C-45°C)	5°F-113°F (-15°C-45°C)
IP Rating	IP53 (see inside back cover)	IP54 (see inside back cover)	IP53 (see inside back cover)

## IP67 Halogen Stainless Steel Spot/Floodlight

- Wireless remote communication
- 316 stainless steel base, 304 stainless steel head
- 350° horizontal, 60° vertical two speed movement

Peak beam intensity	165,000 CP spot
Amp draw	Spot 8.3A, flood 7.5A @ 12V Spot 4.15A, flood 3.75A @ 24V
Power (Input voltage)	12V & 24V
Bulb	H4 halogen
Dimensions	9.875"H x 4.75"W x 8.35"L
Weight	6 lbs.
IP Rating	IP67 (see inside back cover)



**3 YEAR WARRANTY**

### Remote Options



<b>TRANSITIONING 2025</b>		
Marinco Part #	22250-R	22350-R
Atwood Part #	22250-R-4	22350-R-4
Voltage	12V	24V
Power	12V DC	24V DC
Remote Specifications	Wireless Communication Bridge Remote	
Wireless range	100 ft (30m)	
Dimensions	2.2"W x 3.65"H x 0.9"D	
Housing material	ASA	
Button material	Silicone (glow in the dark)	

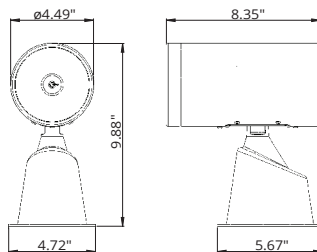
### TRANSITIONING 2025

Description	Marinco Part #	Atwood Part #
12V Spot/Flood with Remote (22250-R)	22050A	22050A-4
12V Spot/Flood Only	22051A	22051A-4
24V Spot/Flood with Remote (22350-R)	22150A	22150A-4

## IP67 LED Stainless Steel Spotlight

- Wireless remote communication
- 316 stainless steel base, 304 stainless steel head
- 350° horizontal, 60° vertical two speed movement

Light Output	92,000 CD
Amp Draw	3A @12V DC 1.5A @24V DC
Power (Input voltage)	12V or 24V DC
# of LEDs	12
Dimensions	9.875"H x 4.75"W x 8.35"L
Weight	11.36 lbs (5.2 kg)
IP Rating	IP67 (see inside back cover)



**3 YEAR WARRANTY**

### Remote Options



<b>TRANSITIONING 2025</b>		
Marinco Part #	23250-R	23350-R
Atwood Part #	23250-R-4	23350-R-4
Voltage	12V	24V
Power	12V DC	24V DC
Remote Specifications	Wireless Communication Bridge Remote	
Wireless range	100 ft (30m)	
Dimensions	2.2"W x 3.65"H x 0.9"D	
Housing material	ASA	
Button material	Silicone (glow in the dark)	

### TRANSITIONING 2025

Description	Marinco Part #	Atwood Part #
12V Spotlight with Remote (23250-R)	23050A	23050A
12V Spotlight Only	23051A	23051A
24V Spotlight with Remote (23350-R)	23150A	23150A

### TRANSITIONING 2025

Select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

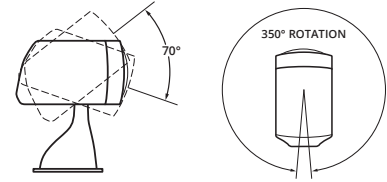
## 5" Stainless Steel Spot/Floodlight

- Remote control, joystick operation
- 316 stainless steel base, 304 stainless steel head
- Light can be directed manually without damaging motors
- One year warranty

Spot Power:	72,000 CP
Flood Power:	30,000 CP
Amp Draw:	7A
Operation:	12V Incandescent
Bulb:	Replaceable Incandescent
Lamp Dimensions:	9.5" H x 4.5" W x 7.5" L
Base Dimensions:	5.5" L x 3.5" W
Weight:	6 lbs (2.7 kg)
Joystick requires:	2.75" installation hole



Spot/Flood kit includes joystick control and 15' wiring cable with easy to install plug ends



**TRANSITIONING 2025**

Description	Marinco Part #	Attwood Part #
Spot/Flood Kit	22040A	22040A-4
Spot/Flood Only	22041A	22041A-1
Replacement Bulb	22014-P	22014-P-1

## Spotlight Parts & Accessories

### Stainless Steel Spot/Flood Parts and Accessories

**TRANSITIONING 2025**

Part #	Marinco Oval Panel	Marinco Rectangular Bulb Kit	Marinco Replacement Bulb Kit	Part #	Attwood Oval Panel	Attwood Rectangular Control	Attwood Replacement Bulb Kit
22040A	22240-R	22208A	22014-P	22040A-4	22240-R-5	22208A-5	22014-P-1
22041A	22240-R	22208A	22014-P	22041A-1	22240-R-5	22208A-5	22014-P-1

### Beamer™ Parts and Accessories

**TRANSITIONING 2025**

Part #	Marinco Control Panel	Marinco Dual Station Control Kit	Marinco Replacement Bulb Kit	Wires in Cable	Part #	Attwood Control Panel	Attwood Dual Station Control Kit	Attwood Replacement Bulb Kit	Wires in Cable
500, 500A	729823-P	729823-P	729493	1	500, 500A	729823-P-5	729823-P-5	729493-5	1
501, 501A	—	—	729493	Wireless	501, 501A	—	—	729493-5	Wireless
502-1	—	—	729493	5	502-1	—	—	729493-5	5
503, 503A	729829-P	—	729494	6	503, 503A	729829-P-5	—	729494-5	6

### M100 Remote Halogen Spot Parts and Accessories

**TRANSITIONING 2025**

Part #	Marinco Joystick Control	Attwood Joystick Control
22200	22209	22209-5
22201	22209	22209-5

### Cables

**TRANSITIONING 2025**

Length	Marinco Replacement Male to Male	Attwood Replacement Male to Male
25 ft	22011A-P	22011A-P-5
35 ft	22012A-P	22012A-P-5



Use with: 22040A, 22041A, 22044, 22045, 22200 or 22201 Lights

**TRANSITIONING 2025**

Select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

# LED Portable Lighting

For nighttime operation of small boats and tenders without 12V electrical systems. These lights are not intended to meet U.S. Coast Guard regulations. Not for use on boats that can exceed speeds of seven knots.

## LED Portable Navigation Light Kit

Be seen and be safe with these compact and portable LED navigation lights. All new portable navigation lights are more durable, easier to use, and include Attwood's strongest mounting and pole configurations. Ideal for personal water craft, camping, and hunting. Kit includes red/green LED bow light, white LED stern light, quick-release mounts, pole, and hardware.

- Water-resistant bow and stern navigation lights
- Attwood's most durable, portable LED navigation light engines
- Sealed electronics, built to last in harsh conditions
- Sealed, shock-proof composite housing
- Shatter-proof polycarbonate lens
- 150+ hour run-time on three AAA batteries (not included)
- New telescoping and threaded poles
- New heavy-duty C-clamp and kayak pad mounting options



Description	Finish	Pole Style	Mounting Style	OEM Part #	Part #
Clamp-On	Marine Gray	Threaded	C-Clamp	—	14190-7
	Realtree® Max-5 Camouflage	Threaded	C-Clamp	—	14191-7
	Marine Gray	Telescoping	C-Clamp	—	14194-7
	Realtree® Max-5 Camouflage	Telescoping	C-Clamp	—	14195-7
Deck Mount	Marine Gray	Telescoping	Optional screw-down or adhesive pad	—	14192-7
	Realtree® Max-5 Camouflage	Telescoping	Optional screw-down or adhesive pad	—	14193-7
All-Craft Navigation	Marine Gray	Threaded	C-Clamp, screw-down and adhesive pad	—	14196-7
	Realtree® Max-5 Camouflage	Threaded	C-Clamp, screw-down and adhesive pad	—	14197-7

## LED Multi-Function Sport Light

Durable, water-resistant, multi-purpose light can be used as a bright 300 fixture lumen flood light or 50 lumen red beam for improved night vision. Also has a UV mode for charging fishing lures and line. Ideal for fishing, boating, hunting, camping and more. Features four mounting options and 360° rotation. Includes an adapter for use with Attwood rod holder mount. Requires six AA batteries (not included).

Description	OEM Part #	Part #
Multi-Purpose Light, Marine Gray	—	14185XFS-7
Multi-Purpose Light, Realtree® MAX-5 Camouflage	—	14187XFS-7

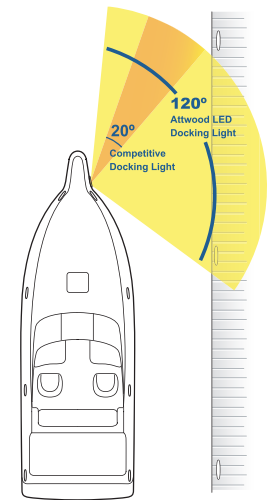
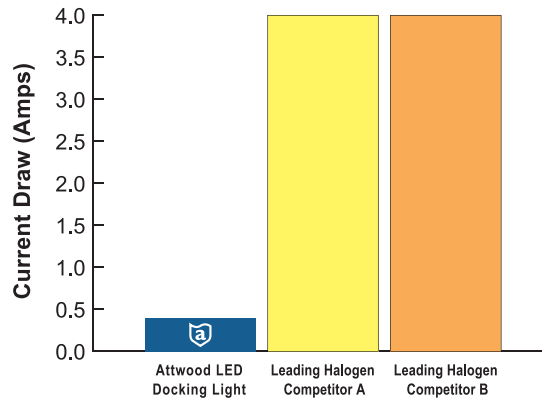


# LED Docking Lights

## LED Docking Lights

- Light draws a fraction of the power while producing a brighter output. 5 watts at 12V DC each. Transmits light in a much broader pattern as opposed to a narrow beam generated by today's competitors.
- At less than 1" thick, the lights are designed to be mounted directly to the surface of the hull with only a small hole for wiring. Requires (3) #8 stainless steel Phillips Head screws (not included).
- Attwood LED technology keeps the light cool to the touch.
- Backed by a 5-year warranty, Attwood's LED docking lights are designed with the most extreme conditions in mind. Attwood uses only the highest grade stainless and aluminum components to ensure the product will be resistant to corrosion.
- To ensure the light is watertight, all electrical components are fully sealed.
- Attwood's simple one-piece cover allows for the ultimate in customization.
- 4-inch lead wires

Attwood LED Docking Light vs. Halogen Current Draw (Amps)



6521SS



6522SS

6523BK

Description	Dimensions	OEM	
		Part #	Part #
Stainless Steel Bezel, White LED, Pair	4-1/8" H x 8-1/8" W x 3/4" D	6521SS1	—
Stainless Steel Bezel, White LED, Pair	1.2" H x 4.5" W x 2.8" D	6522SS1	6522SS7
Black Powder Coat Bezel, White LED, Pair	1.2" H x 4.5" W x 2.8" D	6523BK1	6523BK7

# LED Underwater Lights

## LIGHTARMOR™ LED Underwater Lights

Introducing LightArmor™ Underwater Lights from Attwood, a new line of premium surface-mount LED lights that are engineered to be the brightest and most durable lights in the industry. Like all LightArmor™ products, they're technically advanced, built to perform in the harshest marine environments, and backed by an industry-leading 5-year warranty.

- 12V and 24V DC systems
- Intelligently engineered for strength and durability
- Exclusive Heat-Sync Cooling System with Active Overheat Protection
- Resistant to corrosion, chemicals, and UV damage
- Extreme impact-resistant lens
- 3 ft. sheathed wire
- Reverse polarity protection
- Fully-sealed waterproof electronics
- Simple installation with minimal mounting hardware
- Low-profile design
- Electro-polished 316 stainless steel cover (Optional for OEM)
- CE certified



**Three popular sizes** - 4", 5", 6"

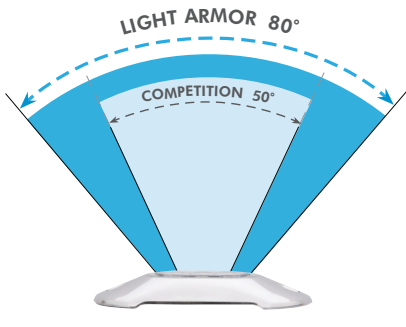
**Three vibrant colors** - Sapphire Blue, Intense White, Tactical Green

**Two performance levels** - High Performance (HP), Extreme High Performance (HPX)

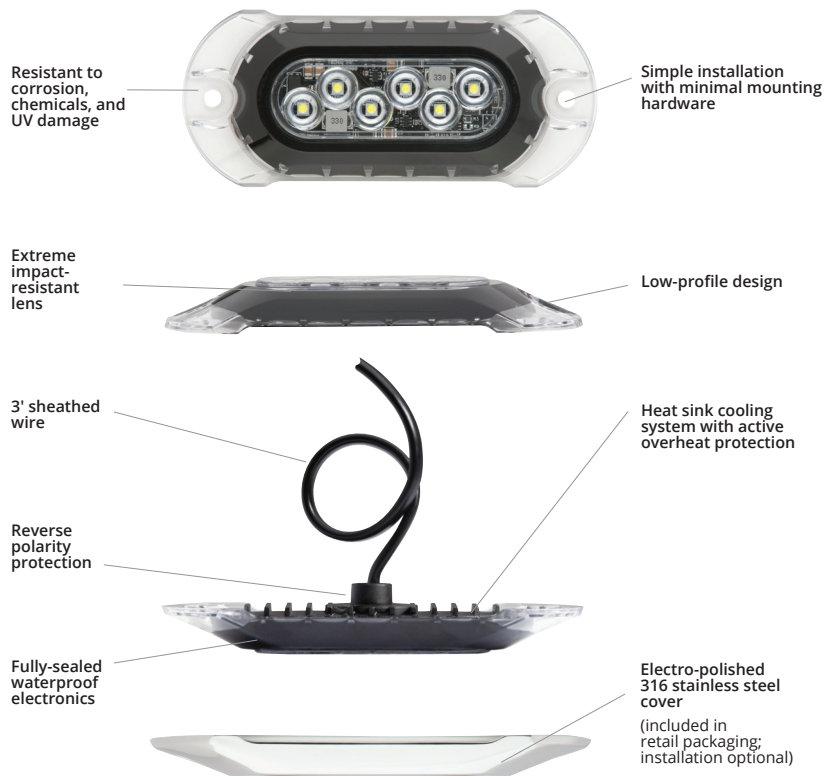
**Note:** All Light Armor Underwater lights **MUST BE MOUNTED UNDER WATER LINE. Only work underwater.**

### Outshining the Competition.

LIGHTARMOR™ Underwater Lights are the brightest on the market.



Projection Intensity vs. Competitor



## LIGHTARMOR™ LED Underwater Lights

**NOTE:** Bulk packaging **does not** include covers and aftermarket packaging does include covers.



Sapphire Blue  
65UW03B

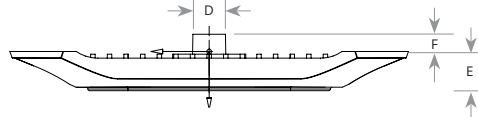
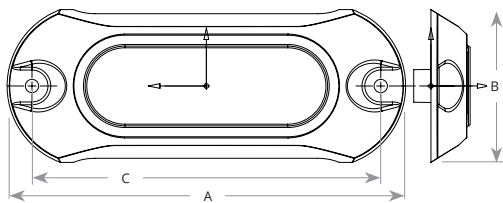


Tactical Green  
65UW03G



Intense White  
65UW03W

Description	Color	Fixture Lumens*	Current Draw at 13.6V	Current Draw at 24V	OEM Part #	Part #
<b>High Performance (HP)</b>						
4.0 HP - 4" length, 3 LED	Sapphire Blue	800	0.32	0.16	65UW03B-1	65UW03B-7
	Tactical Green		0.36	0.18	65UW03G-1	65UW03G-7
	Intense White		0.64	0.32	65UW03W-1	65UW03W-7
5.0 HP - 5" length, 6 LED	Sapphire Blue	1,350	0.66	0.33	65UW06B-1	65UW06B-7
	Tactical Green		0.71	0.36	65UW06G-1	65UW06G-7
	Intense White		1.26	0.63	65UW06W-1	65UW06W-7
6.0 HP - 6" length, 12 LED	Sapphire Blue	1,650	1.32	0.66	65UW12B-1	65UW12B-7
	Intense White		2.52	1.26	65UW12W-1	65UW12W-7
<b>Extreme High Performance (HPX)</b>						
4.0 HPX - 4" length, 3 LED	Sapphire Blue	1,350	0.64	0.32	66UW03B-1	66UW03B-7
5.0 HPX - 5" length, 6 LED	Sapphire Blue	2,750	1.30	0.65	66UW06B-1	66UW06B-7
	Tactical Green		1.40	0.70	66UW06G-1	—
	Intense White		2.46	1.23	66UW06W-1	—
6.0 HPX - 6" length, 12 LED	Sapphire Blue	5,000	2.59	1.30	66UW12B-1	66UW12B-7
<b>Optional Covers - For OEM only (Aftermarket packaged product includes 316 Stainless Steel Cover)</b>						
4.0 HP/HPX Cover	Stainless Steel				65UW03CVSS-1	—
5.0 HP/HPX Cover	Stainless Steel				65UW06CVSS-1	—
6.0 HP/HPX Cover	Stainless Steel				65UW12CVSS-1	—



### Dimensions

Model	Length (A)	Width (B)	Distance Between Mounting Holes (C)	Diameter of Wiring Hold (D)	Installed Product Height (E)	Wire Colar Depth (F)
4.0 HP	4.00"	2.15"	3.25"	.56"	.56"	.30"
4.0 HPX	4.00"	2.15"	3.25"	.56"	.56"	.30"
5.0 HP	5.00"	2.15"	4.25"	.56"	.56"	.30"
5.0 HPX	5.00"	2.15"	4.25"	.56"	.56"	.30"
6.0 HP	6.00"	2.35"	5.25"	.56"	.56"	.30"
6.0 HPX	6.00"	2.35"	5.25"	.56"	.56"	.30"

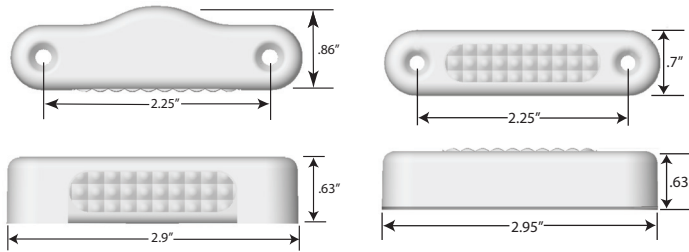
## LED Underwater Lights, 3-Inch Series

Lights are 3/4" wide and are perfect for surface mounting on rails, transoms, and swim platforms. These LED lights exceed the output of comparable halogen lights, while using 20% of the power. Lights stay cool to the touch and eliminate the burn hazard that halogen lighting can present. Fully potted electronics and stainless steel housing allow for interior and exterior mounting – even underwater! Rated for 50,000+ hours of life.

- 1.5 watts at 12V DC



Description	LED Color	OEM Part #	Part #
Horizontal Mount	White	—	6343SS7
Vertical Mount	White	6344SS1	—

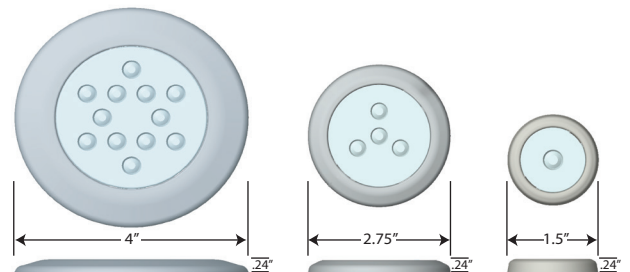


## LED Utility Lights

### LED Round Interior / Exterior Lights

These LED lights exceed the output of comparable halogen lights while using 20% of the power. Lights stay cool to the touch and eliminate the burn hazard that halogen lighting can present. Fully potted electronics and stainless steel housing allow for interior and exterior mounting. Rated for 50,000+ hours of life. Additional LED colors and bezel finishes are available upon request. For 12V DC systems

- Easy installation with minimal intrusion



Description	LED Color	OEM Part #	Part #
<b>4" Round Interior Light, 3 Watts @ 12V DC</b>			
Stainless Steel Bezel	Warm White + Red	6348SS1	—
<b>2.75" Round Interior Light, 1.8 Watts @ 12V DC</b>			
Stainless Steel Bezel White	Warm White	6346SS1	—
Black Plastic Bezel	Amber	6321B1	—
White Plastic Bezel	White	6320W1	6320W7
	Blue	6323W1	6323W7
<b>1.5" Round Courtesy Light, 1.1 Watts @ 12V DC</b>			
Stainless Steel Bezel	White	6342SS1	6342SS7

## LED Mini Courtesy Lights

Attwood's 1" Mini LED Courtesy Lights offer excellent performance in an affordable package. Designed to be installed with just a hole saw, the Mini's rubber grommet eliminates fasteners and allows for quick and easy installation. Comes with fully sealed electronics; performs in almost any interior or exterior application.

- Compact
- Water-and shock-resistant
- 50,000 hours of life

Description	Color	OEM Part #	Part #
Rubber Grommet, Black	White	6317-1	—
	Blue	6319-1	—



6317

## LED Micro Lights

Industry leading light output in an extremely compact package. With electropolished stainless covers and fully sealed electronics. Attwood Micro Lights perform through the harshest conditions. Can be used in rod storage boxes without risk of water damage, under hardtops, or even mounted to rails.

- .66 watts at 12V DC

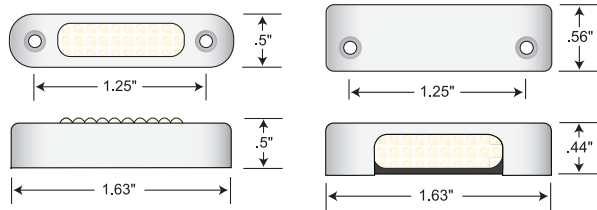
Description	Color	OEM Part #	Part #
Stainless Steel Bezel, Vertical Mount	White	6350W1	6350W7
	Blue	6350B1	6350B7
Stainless Steel Bezel, Horizontal Mount	White	6351W1	—
	Blue	6351B1	—



6350



6351



## LED Utility Lights

These versatile, surface-mount LED Utility Lights put bright light where you need it.

- Water-resistant
- 12V DC
- Less than 1 Amp draw

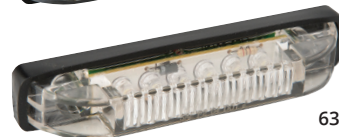
Description	OEM Part #	Part #
4", 6 white LED's	—	6355W7
6", 12 white LED's	—	6354W7
8", 18 white LED's	—	6353W7



6353W7



6354W7



6355W7

# Lighting Accessories & Replacements

## Pole Light Storage Clips

New design holds larger (3/4") diameter anti-glare pole lights. Resilient plastic clip holds standard 3/4" diameter poles. Ideal for storing and protecting plug-in pole lights when mounted in engine wells or lockers. Installs with one #8 fastener.

Dimensions	Description	OEM Part #	Part #
2" L x 1-1/2" H	Black	7571-1	7571L7



7571



# FUEL

## Portable Fuel Tanks



85

Attwood fuel tanks are tested to meet EPA, CARB, and ABYC requirements. The tanks have industry leading fuel flow performance and are designed and manufactured for safety and durability.

## Portable Fuel Components



86

Tank to engine solutions providing uncompromising reliability and durability. These unique components set the standard in performance, safety, and value.

## Fuel Tanks & Hose Fittings



90

Attwood offers a variety of fuel tank and hose fittings that are suitable for use with leaded, unleaded, ethanol blended and alcohol-blended fuels.

## Integrated Fuel Components



95

Attwood's integrated fuel components are designed for an industry-leading combination of safety, ease of use, and refueling performance. Engineered and tested for optimal vessel performance.

## Fuel Accessories



101

Reliable portable and integrated fuel system solutions for your fuel needs.

## Portable Fuel Components, International



104

International portable fuel components are manufactured using advanced technology, producing high-quality products.

## Integrated Fuel Components, International



105

International integrated fuel components are uniquely designed and engineered for extreme strength for your boat's fuel system.



# Portable Fuel Systems Overview

## EPA Certified / CARB Approved

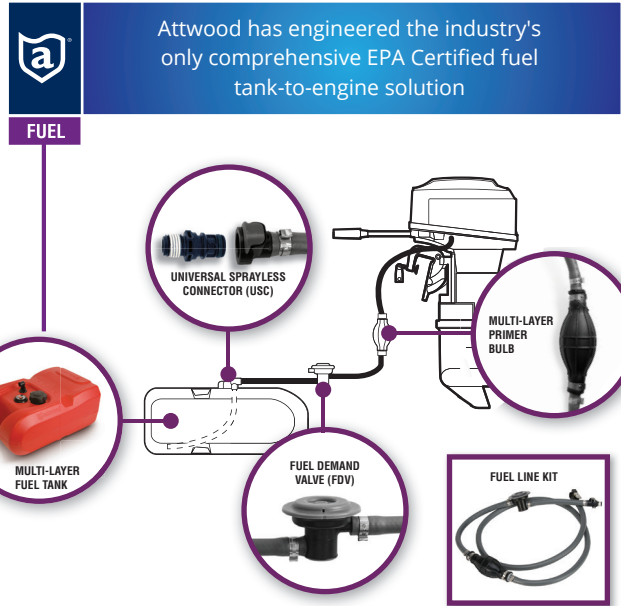
### Your Comprehensive Tank-to-Engine Solution

As a result of EPA regulations to reduce evaporative emissions, portable fuel systems are now manufactured to prevent fuel vapor from escaping into the atmosphere. These EPA compliant systems are sealed and unable to vent as in the past, causing pressure build up in the tank that rarely occurred prior to these regulations.

In addition, each component within the system adds potential restriction to fuel flow. As fuel restriction levels rise, engine performance is affected. In some cases, complete failure can occur.

Attwood's EPA Certified Portable Fuel System components are designed specifically to handle the problems caused by pressure build-up and fuel restriction inherent in today's closed EPA compliant systems.

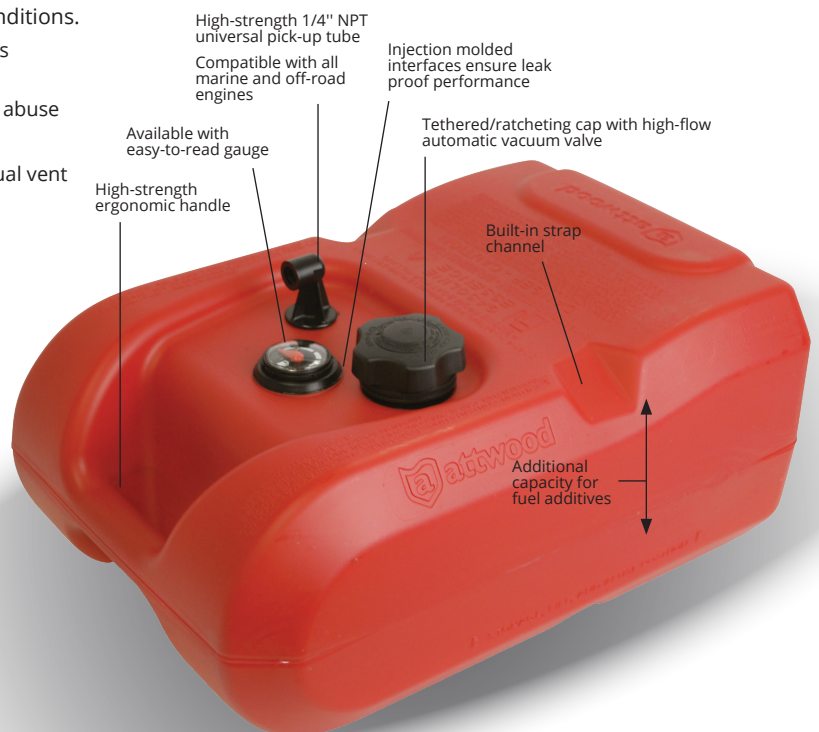
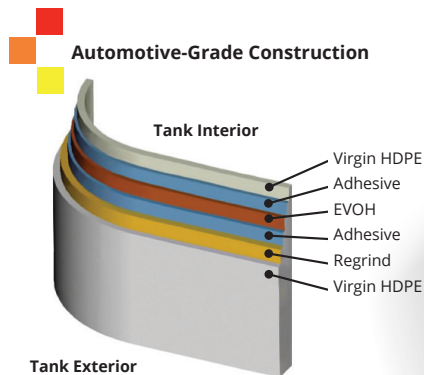
With Attwood's systems, your engine will perform properly and valuable fuel will stay in the tank where it belongs. Attwood's systems were developed, with leading engine manufacturers, to ensure optimum, reliable performance on the water. That's the performance you'd expect from the industry leader in marine fuel systems and accessories.



### EPA Certified Portable Fuel Tanks

Attwood fuel tanks are tested to meet EPA and CARB requirements and ABYC standards for portable marine tanks. The tanks have industry leading fuel flow performance and are designed and manufactured for safety and durability in harsh marine conditions.

- Proven automotive-grade multi-layer construction withstands the pressure build-up associated with closed systems
- Engineered for harsh conditions, temperature extremes and abuse
- Injection molded interfaces eliminate leaks
- Automatic vacuum valve in cap eliminates the need for manual vent
- Compatible with 1/4" NPT fuel fittings
- Built-in 5% ullage for fuel expansion



## Portable Fuel Tanks

### EPA Certified / CARB Approved

EPA Certified multi-layer tank with industry leading fuel flow performance. Designed around the EPA and California Air Resources Board (CARB) regulations. Features an ergonomic design, an optional gauge and a tethered self sealing cap with audible click.

- Automatic Vacuum Valve ensures proper fuel flow and eliminates the need for manual vent and operator adjustment
- Low-permeation tank virtually eliminates fuel evaporation and fuel loss
- Compatible with 1/4" NPT fuel fittings
- Ethanol and alcohol compatible
- EPA & CARB Certified



8803LP



8803LPG



8806LP



8806LPG



8812LP



8812LPG



8812LLP

### 3-Gallon Fuel Tanks

EPA/CARB COMPLIANT 3-gallon fuel tank is perfect for use with small outboards.

Description	Dimensions			Part #
	Length	Width	Height	
3-gallon, without gauge	16.6"	11.45"	7.3"	8803LP2
3-gallon, with gauge	16.6"	11.45"	7.3"	8803LPG2
3-gallon, without gauge, single-pack	16.6"	11.45"	7.3"	8803LP2S
3-gallon, with gauge, single-pack	16.6"	11.45"	7.3"	8803LPG2S

### 6-Gallon Fuel Tanks

EPA/CARB COMPLIANT 6-gallon fuel tank adapts to virtually any outboard engine.

Description	Dimensions			Part #
	Length	Width	Height	
6-gallon, without gauge	19.82"	13.50"	9.16"	8806LP2
6-gallon, with gauge	19.82"	13.50"	9.16"	8806LPG2
6-gallon, without gauge, single-pack	19.82"	13.50"	9.16"	8806LP2S
6-gallon, with gauge, single-pack	19.82"	13.50"	9.16"	8806LPG2S

### 12-Gallon Fuel Tanks

EPA/CARB COMPLIANT 12-gallon fuel tank is ideal for pontoon boats where more fuel capacity is needed.

Description	Dimensions			Part #
	Length	Width	Height	
12-gallon, without gauge	22.75"	14.25"	14.47"	8812LP2
12-gallon, with gauge	22.75"	14.25"	14.47"	8812LPG2
12-gallon, low-profile, without gauge*	24.00"	18.00"	11.61"	8812LLP2
12-gallon, low-profile, with gauge*	24.00"	18.00"	11.61"	8812LLPG2



Attwood fuel tank gauges are easy-to-read, accurate and durable.

# Portable Fuel Components

## EPA Certified / CARB Approved

### Primer Bulbs

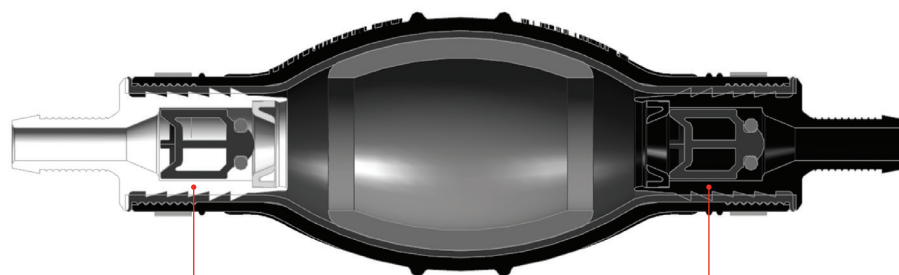
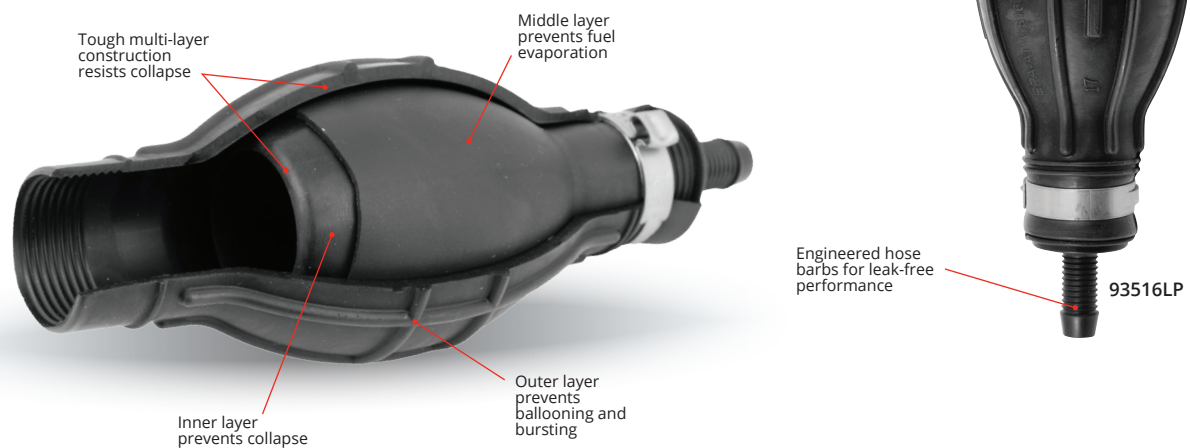
#### EPA Certified / CARB Approved

Attwood's multi-layer primer bulbs provide the absolute best combination of performance, reliability, safety and compliance to ensure your experience on the water is easier and safer to enjoy. Our exclusive three-layer design resists collapsing and hardening and ensures high output in temperatures ranging from 18°F to 122°F. Includes high-efficiency check valves with Viton O-rings for improved sealing. Assembled with the same components as Mercury and Quicksilver.

- Exclusive three-layer construction provides the best spring-back during priming and excellent resistance to collapse during high-flow engine operation
- Premium materials give the absolute best combination of performance and reliability:
  - No cracking/hardening over time
  - Low permeation for EPA/CARB compliance
  - Excellent priming in extreme cold and hot environments
  - Zero chance of material delamination as seen by some competitor's products
- New high-performance check valve O-rings provide 30% improved priming while keeping optimized flow during engine use (20 to 35% better than spring-loaded designs)
- EPA and CARB certified



Description	OEM Part #	Part #
3/8" I.D. Hose	—	93038LP7
5/16" I.D. Hose	—	93516LP7
1/4" I.D. Hose	—	93014LP7



New, high-performance check valves with O-Rings provide 30% faster priming during start-up and high flow when running (20 to 35% better than spring-loaded designs)

## Fuel Demand Valve EPA Certified / CARB Approved

Attwood's exclusive Fuel Demand Valve eliminates engine flooding and spillage by preventing pressurized fuel from reaching the engine. The valve ensures that fuel is supplied to the engine only when demanded during start up or engine operation. Designed in partnership with OEM engine manufacturers, Attwood's Fuel Demand Valve is compatible with all OEM engine brands.

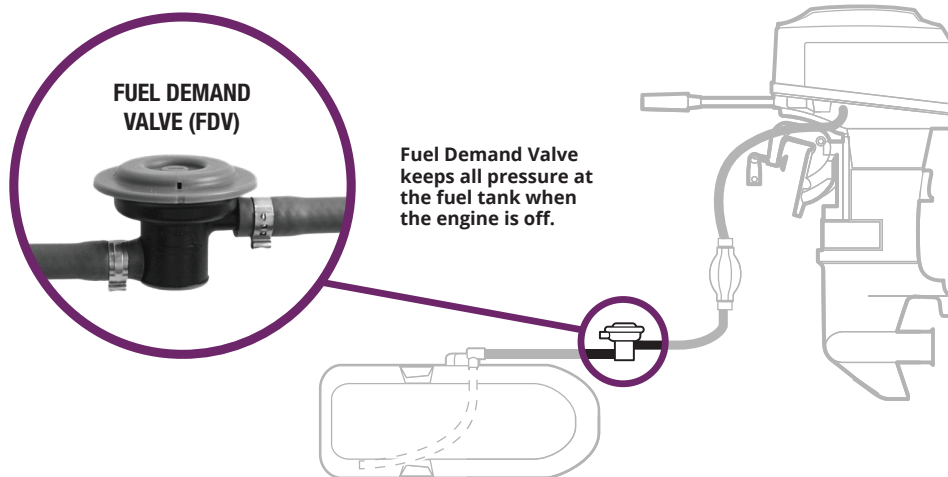
- Prevents engine flooding and fuel spillage due to pressurized fuel
- Allows only the amount of fuel requested by the engine and prevents a pressurized "slug" of fuel from reaching engine
- Made of high-strength composite material designed to withstand the harsh marine environment
- Compatible with 3/8" and 5/16" fuel hose
- Installs between the fuel tank and the primer bulb
- Low vacuum restriction helps ensure proper engine function during startup and engine operation (less than 2kPa at 125 liters/hour)
- Built-in manual override
- Compatible with Ethanol blended fuels



### Specifications

Operating Temp	Storage Temp	Operating Input Pressure	Flow Performance	Hose Size	Manual Override
-20 °C to 80 °C (-4 °F to 176 °F)	-40 °C to 80 °C (-40 °F to 176 °F)	138 kPa (20 psi) protected for 276 kPa (40 psi) psi pressure spike	125 L/H (33 GPH) at <2 kPa (10" gasoline)	8 mm - 10 mm (5/16" - 3/8")	Yes

Description	OEM Part #	Part #
In-Line Fuel Demand Valve	8M0044687	9300FDV7

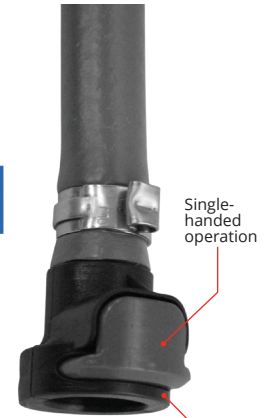


## Universal Sprayless Connector (USC) EPA Certified / CARB Approved

The Universal Sprayless Connector is a safe way to eliminate the spraying of fuel when connecting and disconnecting pressurized fuel hoses during fueling or maintenance.

- Attwood's Universal Sprayless Connector replaces traditional tank fittings and eliminates spray when connecting or disconnecting fuel fittings
- High strength body engineered to withstand the harsh marine environment
- Female hose and Male hose fittings compatible with 3/8" and 5/16" fuel lines
- Male tank fitting has pre-applied fuel-grade thread sealant to prevent fuel leaks and fits all standard 1/4" NPT fittings
- Male and female connectors include check valves that automatically close upon disconnecting
- High fuel flow fitting (less than .25kPa restriction at 50 liters/hour)
- Compatible with Ethanol blended fuels
- Compatible with all OEM brand engines

Description	OEM Part #	Part #
Male and Female w/Thread Sealant	—	8838US6
Hose Female, 5/16"-3/8"	001008200	8838HF6
Tank Male, 1/4" NPT w/Thread Sealant	001008199	8838TM6
Hose Male, 5/16"-3/8"	001011094	8838HM6

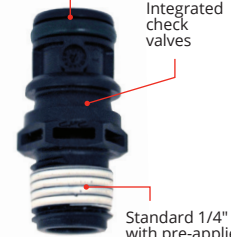


Single-handed operation



PRE-APPLIED FUEL-COMPATIBLE THREAD SEALANT

Tank fitting included with all EPA kits



Integrated check valves

Standard 1/4" NPT with pre-applied thread sealant



8838HF6



8838TM6



8838US6



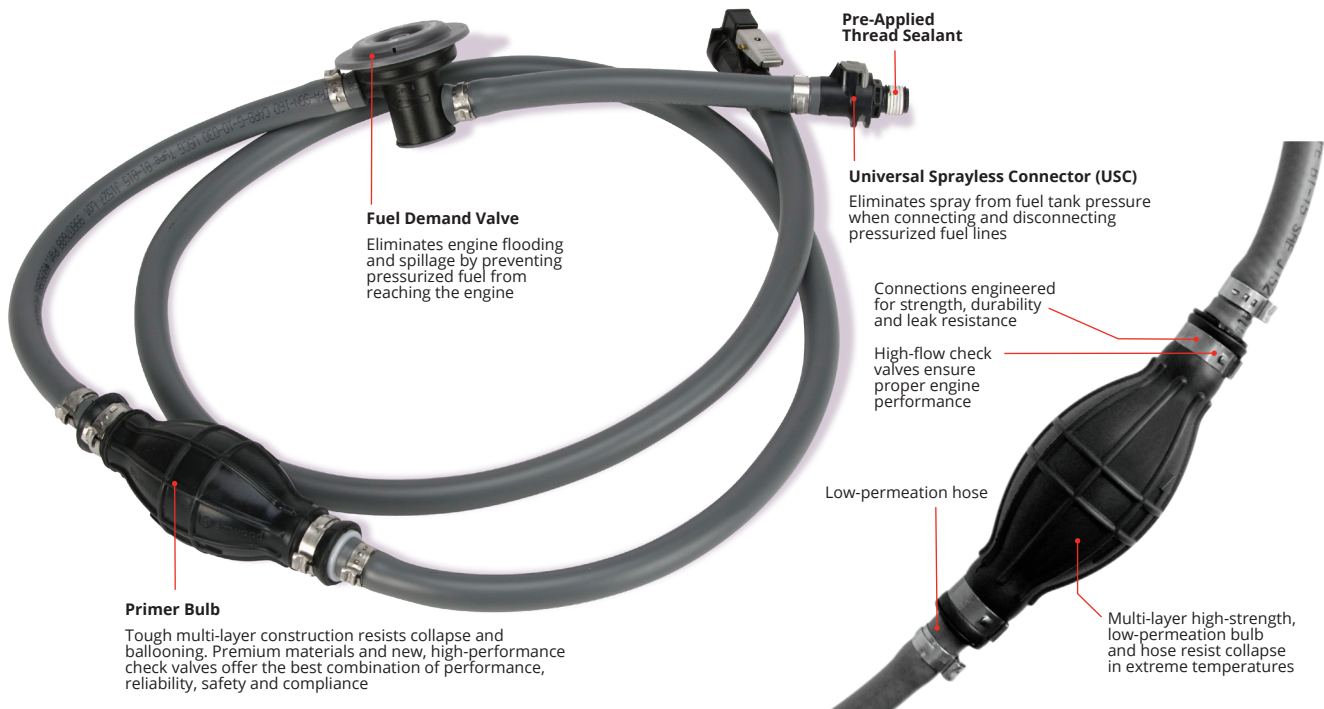
8838HM6

## Fuel Line Kits EPA Certified / CARB Approved

Attwood's low-permeation Fuel Line Kits set the standard in performance, safety and value. They include Attwood's award-winning Universal Sprayless Connector (hose and tank fittings with thread sealant), multi-layer low-permeation Primer Bulb and low-permeation fuel line. Fuel Demand Valve is optional.



- Multi-Layer Primer Bulb with new High-Performance Check Valve & O-Ring: Provides 30% faster priming during start-up and 20-35% higher running flow than competitive designs
- Ethanol Resistant Fuel Line: Eliminates inner-layer delamination seen by others  
Fuel Demand Valve (if equipped): Prevents engine flooding by restricting pressurized fuel from reaching the engine
- Universal Sprayless Tank Fitting: Enables a safe, gas-free experience at every connection



End Fitting		Length	Diameter	Includes Tank Fitting	Includes Hose Fitting Tank End	Includes Hose Fitting Engine End	Primer Bulb	Fuel Demand Valve	Part #
Engine									
<b>Universal Brand Engines and Tanks</b>									
Universal		6'	5/16"	None	None	None	Multi-layer / Low-Permeation	No	951606ULP7
Universal		6'	3/8"	8838TM6	8838HF6	None	Multi-layer / Low-Permeation	No	93806UUS7
Universal		6'	3/8"	8838TM6	8838HF6	None	Multi-layer / Low-Permeation	Yes	93806UUSD7
Universal		12'	3/8"	8838TM6	8838HF6	None	Multi-layer / Low-Permeation	No	93812UUS7
Universal		12'	3/8"	8838TM6	8838HF6	None	Multi-layer / Low-Permeation	Yes	93812UUSD7
Universal		6'	3/8"	None	None	None	Multi-layer / Low-Permeation	No	93806ULP7
Universal		6'	3/8"	None	None	None	Multi-layer / Low-Permeation	Yes	93806UFDV7
Universal		12'	3/8"	None	None	None	Multi-layer / Low-Permeation	No	93812ULP7
<b>Mercury Brand Engines and Tanks</b>									
Mercury		6'	3/8"	8838TM6	8838HF6	8896LP6	Multi-layer / Low-Permeation	No	93806MUS7
Mercury		6'	3/8"	8838TM6	8838HF6	8896LP6	Multi-layer / Low-Permeation	Yes	93806MUSD7
Mercury Pre-1998		6'	3/8"	8838TM6	8838HF6	8893-6	Multi-layer / Low-Permeation	No	93806AUS7
Mercury		6'	3/8"	None	8890LP6	8896LP6	Multi-layer / Low-Permeation	No	93806MLP7
<b>Johnson Brand Engines and Tanks</b>									
Johnson / Evinrude		6'	3/8"	8838TM6	8838HF6	8889LP6	Multi-layer / Low-Permeation	No	93806EUS7
Johnson / Evinrude		6'	3/8"	8838TM6	8838HF6	8889LP6	Multi-layer / Low-Permeation	Yes	93806EUSD7
Johnson / Evinrude		6'	3/8"	None	8889LP6	8889LP6	Multi-layer / Low-Permeation	No	93806ELP7
<b>Yamaha Brand Engines and Tanks</b>									
Yamaha		6'	3/8"	None	8896LP6	8896LP6	Multi-layer / Low-Permeation	No	93806YLP7
Yamaha		6'	3/8"	8838TM6	8838HF6	8896LP6	Multi-layer / Low-Permeation	No	93806YUS7
<b>Honda Brand Engines and Tanks</b>									
Honda		6'	3/8"	8838TM6	8838HF6	8900-6	Multi-layer / Low-Permeation	No	93806HUS7
Honda		6'	3/8"	None	8902-6	8900-6	Multi-layer / Low-Permeation	No	93806HLP7

## Fuel Tank & Hose Fittings



Attwood fuel tank fittings and hose fittings are suitable for use with leaded, unleaded, ethanol blended and alcohol-blended fuels. Unless otherwise specified, threaded fittings have 1/4" male NPT threads; barbed fittings fit 3/8" I.D. hose. Clamps are not included. Use thread sealant on all threads.

Fitting	Description	Material Construction	Mates to	Notes	Part #
<b>Mercury/Mariner</b>					
1/4" NPT Thread	Tank Male	Brass	8890LP6	Mercury Tank Fitting	8873-6
3/8" Barb	Hose Female	Acetal	8873-6	Mercury Tank Fitting	8890LP6
3/8" Barb	Hose Female	Acetal		Mercury Engine End	8896LP6
1/4" NPT Thread	Twist-lock Tank Female	Nylon	14532-6	w/90° Elbow, 2-Piece	8882-6
1/4" NPT Thread	Twist-lock Tank Female	Die-cast Zinc	14532-6	w/90° Elbow, 1-Piece	14530-6
3/8" Barb	Twist-lock Hose Male	Die-cast Zinc	8882-6, 14530-6		14532-6
<b>Johnson/Envinrude/OMC</b>					
1/4" NPT Thread	Tank Male	Brass	8889LP6, 88FHE516-6		8883-6
5/16" Barb	Hose Female	Acetal	8883-6	Tank or Engine End	88FHE516-6
3/8" Barb	Hose Female	Acetal	8883-6	Tank or Engine End	8889LP6
<b>Yamaha</b>					
1/4" NPT Thread	Tank Male	Brass	8896LP6, 88FHY516-6		8897-6
5/16" Barb	Hose Female	Acetal	8897-6	Tank or Engine End	88FHY516-6
3/8" Barb	Hose Female	Acetal	8897-6	Tank or Engine End	8896LP6
<b>Honda</b>					
1/4" NPT Thread	Tank Male	Chrome-plated Brass	8902-6	90HP+ (Large Bore)	8901-6
3/8" Barb	Hose Female	Chrome-plated Brass	8901-6	90HP+ (Large Bore)	8902-6
3/8" Barb	Hose Female	Acetal		Engine End	8900-6
<b>Chrysler</b>					
1/4" NPT Thread	Tank Male	Chrome-plated Brass	8884-6		14509-6
3/8" Barb	Hose Female	Chrome-plated Brass	14509-6		8884-6
<b>Suzuki</b>					
1/4" NPT Thread	Tank Male	Chrome-plated Brass	88FVS014-6	Under 75HP (Small Bore)	14509-6
3/8" Barb	Hose Female	Chrome-plated Brass	14509-6	Under 75HP (Small Bore)	88FVS014-6
<b>Universal</b>					
1/4" NPT x 1/4" NPTF	90° Elbow	Brass			8887-6
1/4" NPT x 5/16" Barb	Male Thread, Hose Barb	Brass			88FBM101-6
1/4" NPT x 3/8" Barb	Male Thread, Hose Barb	Brass			14540-6
3/8" NPT x 3/8" Barb	Male Thread, Hose Barb	Aluminum			88FBMA102-6
1/4" NPT x 3/8" Barb	Male Thread, Anti-Siphon Valve	Aluminum			88FAS014-6
3/8" NPT x 3/8" Barb	Male Thread, Anti-Siphon Valve	Aluminum			88FAS038-6
3/8" Hose Mender	In-line Fuel Splice Kit	Brass		Includes (2) Stainless Steel Hose Clamps	11822-6

### Fuel Tank Shut Off Valve

Description	OEM Part #	Part #
Brass: 1/4" NPT x 1/4" NPTF	—	88FV200-6

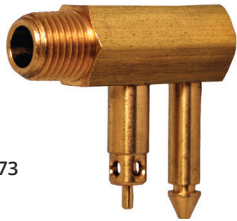
88FV200



**Mercury**



8838US6



8873



8890LP



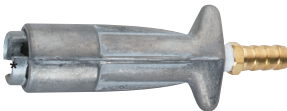
8896LP



8882



14530

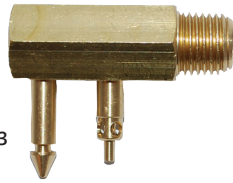


14534

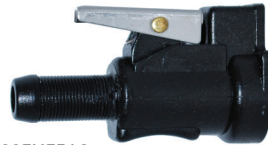


14532

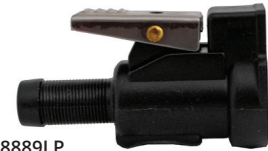
**Johnson**



8883

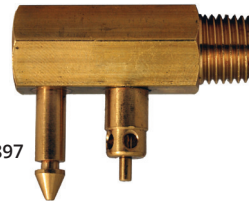


88FHE516

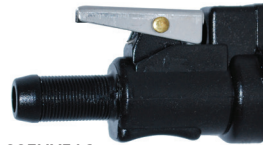


8889LP

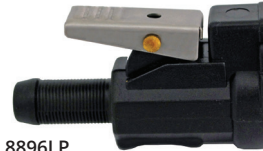
**Yamaha**



8897



88FHY516

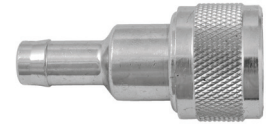


8896LP

**Honda**



8901

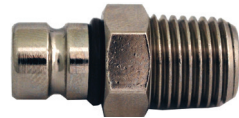


8902



8900

**Chrysler**

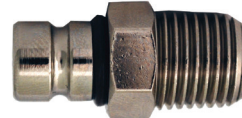


14509



8884

**Suzuki**



14509



88FTS014

**Universal**



8887



88FBM101



14540



88FBMA102



88FAS014



88FAS038



11822



11823



11824

Always use thread sealant when assembling threaded fittings.

# VAPORTEC

## Integrated Fuel Systems Overview

EPA Certified / CARB Approved

### Carbon Canister Fuel Systems

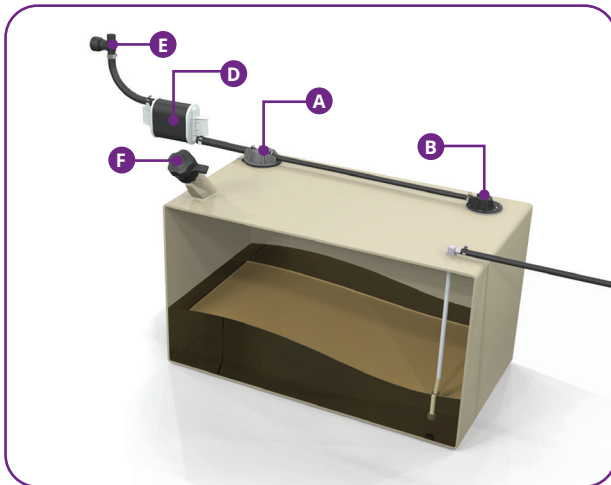
The VaporTec fuel pressure management system ensures that a boat's fuel system constantly maintains proper vapor pressure in all situations. This eliminates any unintended excess pressure which can seriously damage a boat or engine.

Carbon canister systems utilize an engineered charcoal canister to reduce hydrocarbons entering the atmosphere. Other

components of a carbon canister system are designed to ensure the tank fills to the proper level every time without spit-back or well-back. All Attwood carbon canister systems are designed to ensure liquid fuel or water does not reach the canister and are compatible with Jerry Can and marine nozzle refueling.

#### Direct Fill Carbon Canister Fuel System

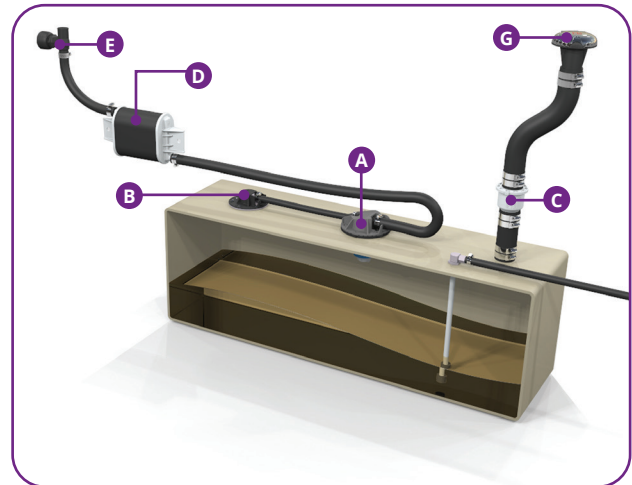
- Single 1 psi overpressure relief safety valve built into the caps
- Automatic nozzle shutoff 4-10 gpm
- Anti-backout feature prevents accidental removal
- Reduced number of system components
- Direct Fill system is well-suited for applications such as pontoon "transom" designs



- A** Fill Limit Vent Valve
- B** Grade Valve
- C** Inlet Control Valve
- D** Carbon Canister

#### Remote Fill Carbon Canister Fuel System

- Dual 1 psi overpressure relief safety valves built into the deck fill caps
- Automatic nozzle shutoff 4-18 gpm



- E** P-Trap
- F** Direct Fill Unit
- G** Deck Fill Unit

## Pressure Relief Fuel Systems

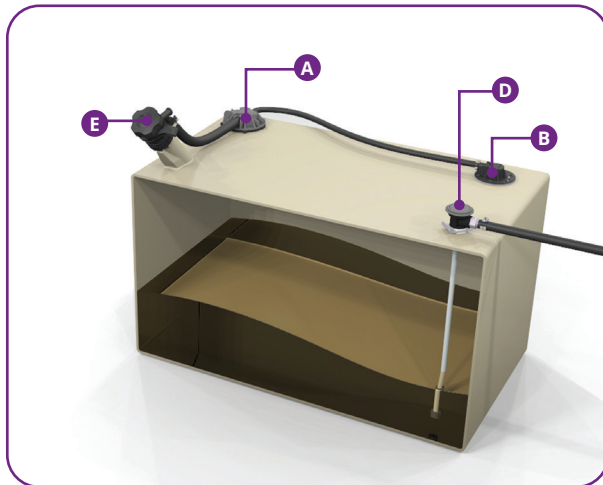
The VaporTec fuel pressure management system ensures that a boat's fuel system constantly maintains proper vapor pressure in all situations. This eliminates any unintended excess pressure which can seriously damage a boat or engine.

Pressure relief systems are designed with automatic diurnal emission control and overpressure relief safety valves built into the cap of the fill. The overpressure relief safety valves are

engineered to release pressure above 1 psi. The high-flow vacuum valves allow fresh air to enter the fuel tank to replace the fuel being consumed by the engine. Other components of a pressure relief system are designed to ensure the tank fills to the proper level every time without spit-back or well-back. All Attwood pressure relief systems are designed to ensure water does not enter the fuel tank and are compatible with Jerry Can and marine nozzle refueling.

### Direct Fill Pressure Relief Fuel System

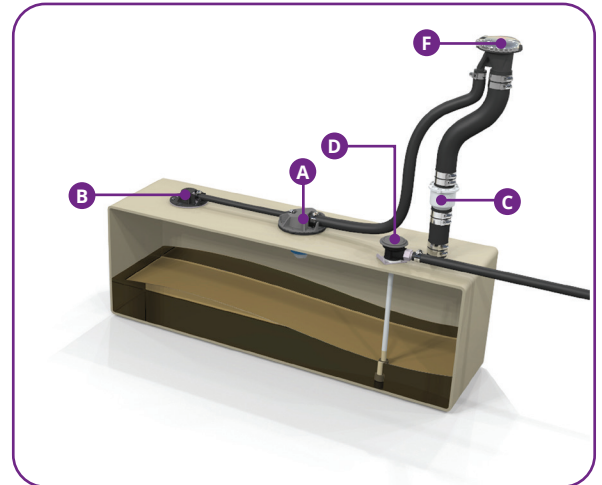
- Dual 1 psi diurnal emission control and overpressure relief safety valves built into the cap
- Dual high-flow vacuum valves ensure maximum make-up air flow with minimum vacuum restriction
- Automatic nozzle shutoff 4-10 gpm
- Anti-backout feature prevents accidental removal
- Reduced number of system components
- Direct Fill system is well-suited for applications such as pontoon "transom" designs



- A** Fill Limit Vent Valve
- B** Grade Valve
- C** Inlet Control Valve

### Remote Fill Pressure Relief Fuel System

- Dual 1 psi diurnal emission control and overpressure relief safety valves built into the cap
- Triple high-flow vacuum valves ensure maximum make-up air flow (compatible with high HP applications)
- Automatic nozzle shutoff 4-18 gpm



- D** Fuel Demand Valve
- E** Direct Fill Unit (Includes Inlet Control Valve)
- F** Deck Fill Unit

# Diurnal Fuel System Components

EPA Certified / CARB Approved



		Carbon Canister Direct Fill	Carbon Canister Remote Fill	Pressure Relief Direct Fill	Pressure Relief Remote Fill
Carbon Canister Deck Fills			See Page 95		
Carbon Canister Direct Fill		See Page 96			
Pressure Relief Deck Fills					See Page 98
Pressure Relief Direct Fill				See Page 99	
Inlet Control Valve			See Page 100		See Page 100
Fill Limit Vent Valve		See Page 100	See Page 100	See Page 100	See Page 100
Grade Valve		See Page 100	See Page 100	See Page 100	See Page 100
Carbon Canister		See Page 97	See Page 97		
Integrated Fuel Demand Valve				See Page 98	See Page 98
P-Trap		See Page 96	See Page 96		

# Fuel Systems Components

## EPA Certified

### Deck Fills for Carbon Canister Systems

#### EPA Certified

- Essential component of VaporTec and SecureStop
- Dual 1 psi overpressure relief safety valves built into the cap
- Automatic nozzle shutoff 4-18 gpm
- Hinged audible click cap meets EPA requirements
- Meets CARB 13 CCR 2235 and ISO 13331 nozzle mating and retention standards
- Designed and tested to prevent water from entering the fuel system
- Compatible with Ethanol blended fuels
- Fits 1-1/2" fill hose



Y1 Flat cap

Scalloped cap

Description	Body	Cap Material	Cap Design	OEM Part #	Part #
Deck Fill for Carbon Canister	Straight	Black Plastic	Scalloped	99DFCCSB1	—
		White Plastic	Scalloped	99DFCCSW1	—
		Chrome	Scalloped	99DFCCSZ1	99DFCCSZ1S
		Stainless Steel	Scalloped	99DFCCS1	99DFCCS1S
		Stainless Steel	Y1 Flat	99DFCCSSY1-1	—
	Angled	Black Plastic	Scalloped	99DFCCAB1	99DFCCAB1S
		White Plastic	Scalloped	99DFCCAW1	—
		Chrome	Scalloped	99DFCCA1	99DFCCA1S
		Stainless Steel	Scalloped	99DFCCAS1	99DFCCAS1S
		Stainless Steel	Y1 Flat	99DFCCASY1-1	—



99DFCCSSY1-1



99DFCCAB1



99DFCCAW1

### Low Profile Deck Fills for Carbon Canister Systems

#### EPA Certified

- Essential component of VaporTec and SecureStop
- Stainless steel construction
- Exclusive overpressure relief valve that is protected by a waterproof screen to eliminate the possibility of water entering the system
- 4-18 gpm refueling when used in an Attwood fuel system
- Flip-up tethered cap for ease of use
- Red dots indicate visual closure for EPA standards
- Compatible with Ethanol blended fuels
- Fits 1-1/2" fill hose

Description	Body	OEM Part #	Part #
Low Profile Deck Fill for Carbon Canister	Straight	99DFCCLPSS1	—
	Angled	99DFCCLPAS1	—



99DFCCLPSS1



99DFCCLPAS1

## Direct Fill for Carbon Canister Systems EPA Certified

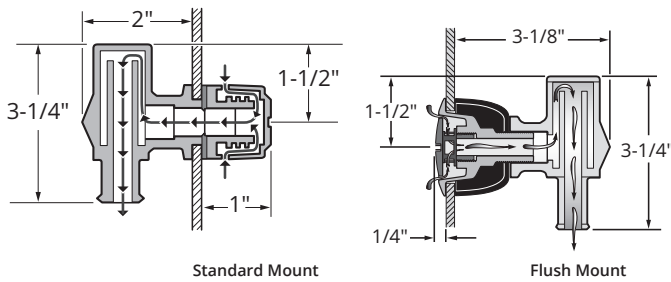
- Essential component of VaporTec and SecureStop
- Single 1 psi overpressure relief safety valve built into cap
- Anti-backout feature prevents accidental removal
- Automatic nozzle shutoff 4-10 gpm
- Reduced number of components in the system
- Includes ratcheting tethered cap
- Compatible with Attwood's carbon canister architecture
- Meets CARB 13 CCR 2235 and ISO 13331 nozzle mating and retention standards
- Compatible with Ethanol blended fuels
- Fits 1-1/2" fill hose

Description	OEM Part #	Part #
Carbon Canister Direct Fill	99TDF100-1	—



## 90° P-Trap Fuel Tank Vents

These vents help prevent water from entering the fuel tank, yet allow air to vent freely, during normal sea conditions and washdowns. This eliminates the need for an anti-siphon loop in the vent hose. For 5/8" I.D. hose. Meets ABYC standard. The arrows in this cross-section show the baffled route that water would have to travel in order to reach the fuel vent hose. Compatible with Ethanol blended fuels.



1670



1674

Description	Maximum Hull Thickness	Installation Hole Size	Style	OEM Part #	Part #
Standard Mount - 5/8" I.D. Hose	9/16"	3/4"	Black with black vent head	1670-1	1670-3
			Black with stainless steel trim cover	66419-1	66419-3
Replacement covers for Standard Mount	—	—	For 1670	911526-1	—
			For 66419	911528-1	—
Flush Mount - 5/8" I.D. Hose	1"	1-3/8"	Black with stainless steel vent head	1674-1	1674-6
Replacement Spacer for Flush Mount	1/4" - 1/2"	—	For 1674	911507-1	—
	1/2" - 3/4"	—	For 1674	911508-1	—

## Carbon Canisters EPA Certified / CARB Approved

- Fits 5/8" vent hose
- Can be mounted in any orientation using brackets provided
- Compatible with Ethanol blended fuels
- Low permeation shell reduces overall system emissions
- Carbon Canister for Engine Compartment models feature a pre-installed composite heat-shield for easy installation

Description	EPA Rating		CARB Rating		L x W x H	OEM Part #	Part #
	Trailerable Vessel Capacity	Non-Trailerable Vessel Capacity	Trailerable Vessel Capacity	Non-Trailerable Vessel Capacity			
<b>Sub Compact</b>							
Brackets OEM Installed	28 Gal.	44 Gal.	22.4 Gal.	44 Gal.	11.6" x 5.04" x 4.01"	99CC035-1	—
<b>Compact</b>							
Brackets OEM Installed	70 Gal.	110 Gal.	56 Gal.	110 Gal.	Refer to Horizontal/Vertical	99CC045-1	99CC045-1S
Brackets Pre-installed Horizontal Orientation	70 Gal.	110 Gal.	56 Gal.	110 Gal.	11.6" x 5.04" x 4.01"	99CC045H1	—
Brackets Pre-installed Vertical Orientation	70 Gal.	110 Gal.	56 Gal.	110 Gal.	10.48" x 3.05" x 5.50"	99CC045V1	—
Carbon Canister for Engine Compartment	70 Gal.	110 Gal.	56 Gal.	110 Gal.	11.68" x 4.08" x 5.68"	99CC045HSA1	—
<b>Standard</b>							
Brackets OEM Installed	220 Gal.	350 Gal.	176 Gal.	350 Gal.	Refer to Horizontal/Vertical	99CC085-1	99CC085-1S
Brackets Pre-installed Horizontal Orientation	220 Gal.	350 Gal.	176 Gal.	350 Gal.	17.22" x 5.04" x 4.01"	99CC085H1	—
Carbon Canister for Engine Compartment	220 Gal.	350 Gal.	176 Gal.	350 Gal.	17.74" x 4.08" x 5.68"	99CC085HSA1	99CC085HSA1S
<b>Large Vessel</b>							
Brackets OEM Installed	420 Gal.	660 Gal.	*N/A	*N/A	Refer to Horizontal/Vertical	99CC150-1	99CC150-1S

\* CARB allows use of 2 canisters assembled in series to match/exceed needed capacity. Contact Attwood Customer Service for more information.



## Deck Fills for Pressure Relief Systems

### EPA Certified / CARB Approved

- Essential component of VaporTec and SecureStop
- Dual 1 psi diurnal emission control overpressure relief safety valves
- Triple high-flow vacuum valves ensure maximum make-up air flow with minimum vacuum restriction
- Designed and tested to prevent water from entering the fuel system
- Automatic nozzle shutoff 4–18 gpm
- Hinged audible click cap meets EPA requirements
- Meets CARB 13 CCR 2235 and ISO 13331 nozzle mating and retention standards
- Designed and tested to prevent water from entering the fuel system
- Compatible with Ethanol blended fuels
- Fits 1-1/2" fill hose and 5/8" vent hose



Y1 Flat cap

Scalloped cap

Description	Body	Cap Material	Cap Design	OEM Part #	Part #
Deckfill for Pressure Relief System	Straight	Black Plastic	Scalloped	99DFPVB1	99DFPVB1S
		Chrome	Scalloped	99DFPVS1	—
		Stainless Steel	Scalloped	99DFPVS1	99DFPVS1S
		Stainless Steel	Y1 Flat	99DFPVS1-1	—
	Angled	Black Plastic	Scalloped	99DFPVB1	99DFPVB1S
		Chrome	Scalloped	99DFPVA1	—
		Stainless Steel	Scalloped	99DFPVA1	99DFPVA1S
		Stainless Steel	Y1 Flat	99DFPVA1-1	—



99DFPVS1



99DFPVASY1-1

## Fuel Demand Valve

The integrated fuel demand valve, used in conjunction with integrated fuel systems eliminates pressurized fuel from reaching fuel distribution lines and your engine and ensures that fuel is provided to the engine on demand rather than as a result of pressure in the tank. Additional features include:

- Compatible with Ethanol blended fuels
- Eliminates the need for rigid fuel distribution lines in pressure relief systems (per ABYC H-24.15.9)

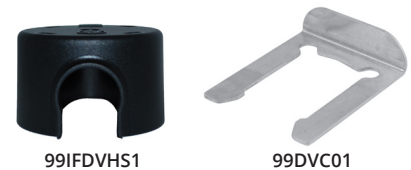
### Specifications

Operating Temp	Storage Temp	Operating Input Pressure	Flow Performance	Manual Override
-20° C to 80° C (-4° F to 176° F)	-40° C to 80° C (-40° F to 176° F)	138 kPa (20 psi) protected for 276 kPa (40 psi) psi pressure spike	200 L/H (53 GPH) at <2 kPa*	Yes

\*Flow performance of 99IFDV00-1 with 1/2" Pick up tube and 99DVB02-1 Barb. Other factors such as fuel lift height, anti-siphon valve, fuel hose diameter and length and fuel filter will effect overall flow performance to engine.

Description	OEM Part #	Part #
Integrated Fuel Demand Valve (IFDV)	99IFDV00-1	—
Base for Aluminum Tank	99DVA02-1	—
Pick-Up Tube Barb with O-Ring 3/8"	99DVB01-1	—
Pick-Up Tube Barb with O-Ring 1/2"	99DVB02-1	—
IFDV Installation Clip	99DVC01-1	—
IFDV Plug Cap with Seal	99DVP03-1	—
Heat Shield	99IFDVH1	—
Single Flange Base for Plastic Tank	99DVP05-1	—
Hex Compression Nut for 99DVP05-1	99DVP04-1	—
Aluminum Tank Attachment Kit†	99IFDVKT-1	—

†99IFDVKT-1 includes 99IFDV00-1, 99DVA02-1, 99DVB01-1, 99DVC01-1



99IFDVH1

99DVC01



99IFDV00



99DVB01 / 99DVB02



Plastic Tank

99DVP04

99DVP05



99DVP03

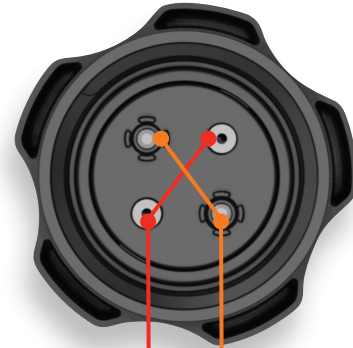
Aluminum Tank

99DVA02

## Direct Fill for Pressure Relief Systems EPA Certified / CARB Approved

- Essential component of VaporTec and SecureStop
- Dual high-flow vacuum valves ensure maximum make-up air flow with minimum vacuum restriction
- Dual 1 psi diurnal emission control and overpressure relief safety valves
- Anti-backout feature prevents accidental removal
- Automatic nozzle shutoff 4-10 gpm
- Reduced number of components in the system
- Includes ratcheting tethered cap
- Performs automatic shut-off function when used with an Attwood system
- EPA and CARB certified
- Meets CARB 13 CCR 2235 and ISO 13331 nozzle mating and retention standards
- Compatible with Ethanol blended fuels
- Fits 1-1/2" fill hose and 5/8" vent hose

Description	OEM Part #	Part #
Pressure Relief Direct Fill	99TDFPV100-1	—
Replacement Cap	99TDFPV110-1	—



Dual 1 psi diurnal emission control and overpressure relief safety valves

Dual high-flow vacuum valves ensure maximum make-up air flow



Exclusive nozzle retention feature

Ratcheting tether cap

Low-profile vent input from tank

Low profile neck reduces interference from engine cowl

Anti-back out feature

High-strength composite body

Built-in ICV

## Inlet Control Valve

### EPA Certified

- Essential component of VaporTec and SecureStop
- Built-in overpressure relief compatibility
- Guaranteed 18 gallons per minute fuel flow during filling
- Compatible with 1-1/2" fill hose
- Compatible with Ethanol blended fuels
- Can be oriented between 0°–90° in line with fuel flow

Description	OEM Part #	Part #
Inlet Control Valve	99ICV000-1	99ICV000-1S
ICV Heat Shield	99ICV000HS2	—



99ICV000

## Fill Limit Vent Valves

- Essential component of VaporTec and SecureStop
- Sets the full level of fuel in the tank
- Prevents liquid fuel from reaching the carbon canister or vent system during vessel operation, trailering and storage
- Compatible with Ethanol blended fuels and plastic and aluminum tanks
- Passes all USCG CFR 33 and ABYC H-24 fire test requirements and CARB and EPA requirements
- Integrated high-performance gasket included
- Assembly Guide aligns the FLVV and gasket with tank for faster installation

Description	Shut-off Height	OEM Part #	Part #
Fill Limit Vent Valve with GRV Communication	0.8"	99FLB080-1	99FLB080-1S
	1.00"	99FLB100-1	99FLB100-1S
	1.40"	99FLB140-1	99FLB140-1S
	1.70"	99FLB170-1	99FLB170-1S
	2.30"	99FLB230-1	99FLB230-1S
Fill Limit Vent Valve without GRV Communication	3.30"	99FLB330-1	99FLB330-1S
	1.40"	99FLA140-1	—
	1.70"	99FLA170-1	—
	2.30"	99FLA230-1	—
Replacement Gasket	3.30"	99FLA330-1	—
	—	99FLG000S1	—



99FLB230

## Grade Valve

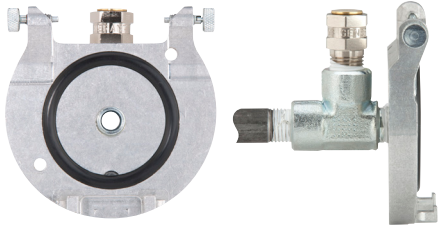
- Essential component of VaporTec and SecureStop
- When used in conjunction with a fill limit vent valve, allows proper venting when the fuel tank is in unusual angles
- Prevents liquid fuel reaching the carbon canister and vent system during vessel operation, trailering and storage
- Integrated impact protection feature
- Compatible with Ethanol blended fuels
- Passes all USCG CFR 33 and ABYC H-24 fire test requirements

Description	OEM Part #	Part #
Grade Valve	99GVP000-1	—
Grade Valve Tank Gasket	99GVG000-1	—
Kit, 99GVP000-1 Grade Valve and Tank Gasket	99GVPKT-1	—
Internal Grade Valve	99GVN900-1	—

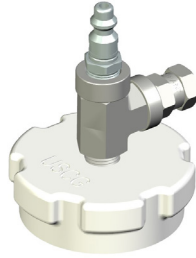


## Testers

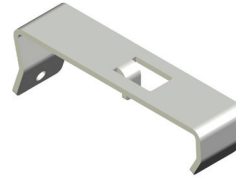
Description	OEM Part #
3 psi Assembly Tester for 99DFCC or 99DFPV Deckfills	99USCGTESTER
3 psi Assembly Tester for 99DFCC Deckfills	99USCGTESTERCC
3 psi Assembly Tester for CC and PRV Direct Fills	99USCGTESTERPRV
3psi Assembly Tester for Fuel Demand Valve	99FDVTESTCLIP



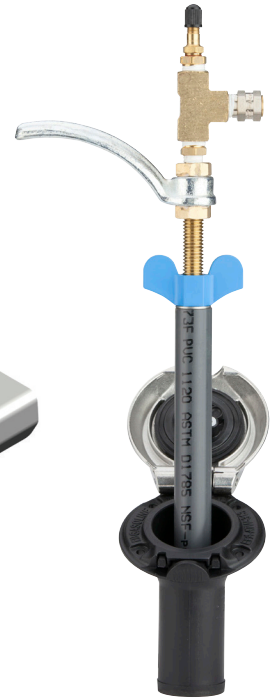
99USCGTESTER



99USCGTESTERPRV



99FDVTESTCLIP



99USCGTESTERCC

## Accessories

### For Portable and Integrated Fuel Systems



12822

#### Motor Well Boot

Motor well boot provides organized, covered pass-thru for control cables, wires, or fuel lines. Split side allows for installation without disconnecting controls. Includes tie for secure fit. Black rubber, UV-resistant construction with polypropylene attachment gasket ring.

Description	OEM Part #	Part #
For 4"-diameter opening	—	12820-5



11526

#### Fuel Tank Strap Sets

1"-wide white nylon web strap with zinc-plated carbon steel snap and quick-release buckle. Includes metal foot-man securing loops and screws.

Description	OEM Part #	Part #
48" long for 3-6 gallon tanks	—	11526-3
72" long for 12-gallon tanks	—	11512-3



14582

14580

### Filter Funnels

Fine mesh screen filters out most foreign matter. Lightweight floating polyethylene plastic.

Description	OEM Part #	Part #
Short rigid, with handle	14582-1	—
Long flexible, with handle	14580-1	—



88TC06

### Portable Fuel Tank Cap with Tether EPA Certified

High-flow valve exceeds OEM engine fuel flow requirements. Ratchets to ensure proper seal. For 0-350 HP engines. Compatible with 8803LP/8806LP/8812LP/8812LLP Series portable fuel tanks.

Description	OEM Part #	Part #
Standard 2-1/4" Neck	—	88TC06-7



11840

11841

### Fuel/Water Separator Assembly & Filter

With Double Seal. Universal 3/8" (.85cm) ports.

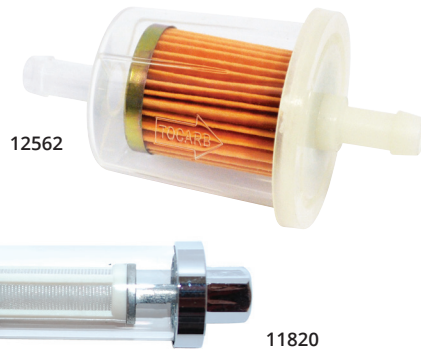
#### Universal Fuel/Water Separator (11840) - Housing and Filter

- 10 Micron Filter and bracket included.
- Replaces Mercury 35-60494A4. Includes 2 brass plugs.

#### Fuel/Water Separator (11841) - Filter Only

- 10 Micron Replacement for: Mercury 35-60494-1, Aqua Power 6031, GLM 24940, Sierra 18-78250, SMI 15494, Valmar 52113, Marpac 7-0872

Description	OEM Part #	Part #
Universal Fuel/Water Separator - Housing and Filter	—	11840-7
Fuel/Water Separator - Filter Only	—	11841-4



12562

11820

### Outboard Fuel Filter

Disposable high-flow in-line fuel filters work with most outboard motors. Protects carbureted engines by trapping pollutants. Clear body allows visual inspection. High strength, impact resistant, and shatter resistant construction. Best to replace during winterize or spring start-up for optimum results.

Description	OEM Part #	Part #
Outboard Fuel Filter for 3/8" lines	—	12562-6
Universal In-Line Fuel Filter (1/4", 5/16", 3/8")	—	11820-7

### Fuel/Oil Mixing Bottle

Allows the addition of the exact amount of oil required for a 2 cycle engine. Oil level marks are in gallons and litres. Determines ratios for 100:1, 50:1, 24:1 and 10:1 mixes. Wide mouth, quart size bottle.

Description	OEM Part #	Part #
Oil to Gas Mixing Container	—	11873-1



11873

### Gear Lube Pump

For use with 32 oz. gear lube bottles. The pump fits any outboard or sterndrive to provide universal fit. Includes one Yamaha® adapter.

Description	OEM Part #	Part #
Gear Lube Pump	—	11891D7



11891

### Universal Motor Flushers

Quickly flushes away salt, sand, silt, and alkali to prevent clogging and corrosion. The flusher attaches easily to an ordinary garden hose. Self-adjusting clamping yoke fits most domestic or imported I/O's and outboards. Molded cups deliver fresh water from a garden hose to flush the cooling system through side intakes on the lower unit. Note: Do not use full flow from hose.

Description	OEM Part #	Part #
Round with plastic body	—	9372-2
Round with metal body	—	16205-2
Rectangular motor flusher with metal body	—	16207-2
Universal dual water feed with metal body	—	16208-7



9372

16205

16207

16208

## Portable Fuel Components—International (Not for use in the U.S.)

### Fuel Line Kits

For use with portable fuel tanks and popular outboard engines. Made to the highest quality standards.



Engine & Tanks	End Fitting				Engine Fitting	Primer Bulb	Fuel Demand Valve	Part #
	Length	Dia	Tank Fitting	Fits Attwood Tank Fitting				
Universal	6'	3/8"	None	N/A	None	Standard	No	93806UI7
Mercury	6'	3/8"	8890LP6	8873-6	8894LP6	Standard	No	93806MI7
Johnson / Evinrude	6'	3/8"	8889LP6	8883-6	8889LP6	Standard	No	93806EI7
Yamaha	6'	3/8"	8896LP6	8897-6	8896LP6	Standard	No	93806YI7

### Primer Bulbs

For easy replacement on any portable fuel line. Alcohol resistant, suitable for use with leaded and non-leaded fuels. Double check valve for quick priming and unrestricted flow. Non-corrosive, galvanized hose clamps. Strong and durable.

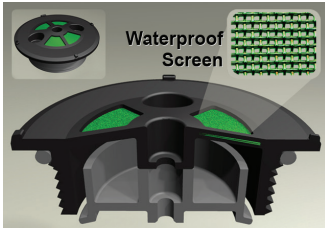


Description	OEM Part #	Part #
3/8" I.D Hose—International	—	9303817
5/16" I.D Hose—International	—	9351617



# Integrated Fuel Components—International

## (Gasoline Deck Fills Not for Use in the U.S.)



### Vented Deck Fills

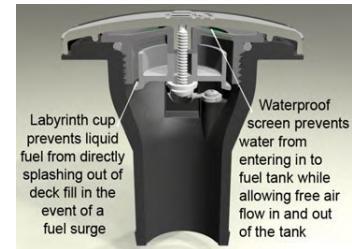
Attwood's vented deck fills incorporate an industry first patent-pending waterproof screen that eliminates the possibility of water entering a boat's fuel system, while also allowing your boat's engine to breathe freely. These deck fills exceed the ISO 10088 standard for minimum required venting area and meet all ABYC and US Coast Guard safety standards for marine fuel systems. Attwood's unique design includes an integral tank vent with flame arrestor and anti-surge technology. For CARB and EPA requirements (2012MY and newer), see 99DFCC and 99DFPV series gasoline deck fills (page 95).



#### Features:

- Integrated patent-pending waterproof screen eliminates the possibility of water entering your boat's fuel system
- Attwood's unique design includes an integral tank vent with flame arrestor and anti-surge technology, preventing fuel from escaping into the environment
- Engineered body designed for extreme strength
- Choose from oval or round, straight or angled configurations
- Round caps available in plastic, chrome or stainless steel to fit virtually any application and budget
- Stainless steel beaded chain to prevent loss of round Gasoline, Diesel and Water caps
- ISO symbols for Gasoline, Diesel, Water and Waste are located on top of the cap
- Deck plate key is included with gasoline fill
- Fits standard 1-1/2" fuel fill hose and 5/8" vent hose
- Requires (4) #8 screws

Description	Material	Location	Imprint	Cap Design	OEM Part #	Part #
<b>Oval Vented Deck Fills</b>						
Straight	Black Plastic	Not for US	Gasoline	Scalloped	99210GB1	—
Angled	Black Plastic	Not for US	Gasoline	Scalloped	99211GB1	—
<b>Round Vented Deck Fills</b>						
Straight	Black Plastic	Not for US	Gasoline	Scalloped	99200GB1	—
	Stainless Steel	Not for US	Gasoline	Scalloped	99200GS1	—
		Global	Diesel	Scalloped	99200DS1	—
		Global	Water	Scalloped	99200WS1	—
Angled	Chrome	Not for US	Gasoline	Scalloped	99200GZ1	—
	Stainless Steel	Global	Water	Scalloped	99200WZ1	—
Angled	Black Plastic	Not for US	Gasoline	Scalloped	99201GB1	—
	Stainless Steel	Not for US	Gasoline	Scalloped	99201GS1	—
		Global	Diesel	Scalloped	99201DS1	—
		Global	Water	Scalloped	99201WS1	—
	Chrome	Not for US	Gasoline	Scalloped	99201GZ1	—
		Global	Water	Scalloped	99201WZ1	—
<b>Round Waste Deck Fills</b>						
Straight	Stainless Steel	Global	Waste	Scalloped	99202WS1	—
	Chrome-plated Zinc	Global	Waste	Scalloped	99202WZ1	—
Angled	Stainless Steel	Global	Waste	Scalloped	99202AWS1	—
		Global	Waste	Y1	99202AWSY1-1	—



99210GB



99200GS



Y1 Flat cap



Scalloped cap

## 1-1/2" Deck Fills, Enhanced 316 Stainless Steel Alloy

For 1-1/2" I.D. hose. Deck fills available with imprint to specify GASOLINE, DIESEL, WATER, or WASTE. Highly-polished finish. Flush cap is slotted for separate key and features an O-ring that seals the cap watertight. Cap is attached by a stainless steel beaded chain. 3-1/4" long fill neck. Key sold separately. 66126 waste model has internal threads for pump-out nozzle. Use for vessels with built-in holding tanks. Note: Requires a bonding wire to prevent sparking when nozzle is inserted on gas and diesel models per USCG and ABYC H-24 requirements.



### Specifications

Part #	Fill Neck Length	Installation Hole Size	Flange Size	Hose Size	Fastener Size
66406, 66407, 66408	3-1/4"	1-7/8"	3"	1-1/2" I.D.	#10
66126	3-1/4"	2-1/4"	3-1/2"	1-1/2" I.D.	#10

Description	OEM Part #	Part #
"Gasoline" imprint with Red Color Code (Not for use with EPA Certified systems)	66446C1	66406-5
"Water" imprint with Blue Color Code	66408C1	—
"Waste" imprint with Black Color Code	66126C1	—
Replacement key	66060-1	—
Replacement cap and chain†	—	66074-3
Replacement cap and chain only for 66126	—	66061-3



66446C



## 2" Deck Fills, Enhanced 316 Stainless Steel Alloy

For 2" I.D. hose. These deck fills are both imprinted and color-coded to specify either GASOLINE or DIESEL. Highly-polished finish. Flush cap is slotted for separate key and features an O-ring that seals the cap watertight. Cap is attached by a stainless steel, beaded chain. Long neck accommodates thick deck laminations. Key sold separately. Note: Requires a bonding wire to prevent sparking when nozzle is inserted on gasoline and diesel models per USCG and ABYC H-24 requirements.



### Specifications

Fill Neck Length	Installation Hole Size	Flange Size	Hose Size	Fastener Size
3-1/4"	2-1/4"	3-1/2"	2" I.D.	#10

Description	OEM Part #	Part #
"Gasoline" imprint with Red Color Code (Not for use with EPA Certified systems)	66411C1	—
"Diesel" imprint with Green Color Code	66412C1	—
Replacement key	66060-1	—
Replacement cap and chain	—	66061-3



66411

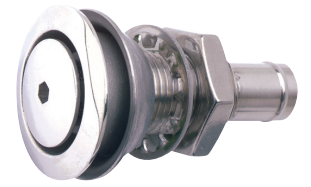
† Replacement for 66406, 66407, 66408 and 66408C1 only

## Fuel Vents

### Enhanced 316 Stainless Steel Alloy Flush-Mount Fuel Vents

On the exterior, they have a smooth edge over the competition. Unlike some others, there is no protruding cap to cause damage — or be damaged by — hull bumps and scrapes. Cap unscrews with hex head wrench for easy cleaning of filter and pressure testing of entire fuel system. These vents now include two silicone gaskets.

Description	Hose Size	Maximum Hull Thickness	Installation Hole Size	OEM Part #	Part #
Straight Vent	5/8" I.D.	7/8"	1-3/8"	66031-1	66031-3
90° Vent	5/8" I.D.	7/8"	1-3/8"	66032-1	66032-3



66031

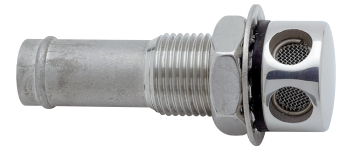


66032

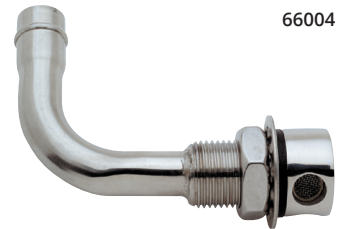
### Enhanced 316 Stainless Steel Alloy Fuel Vents

Stainless steel vents with spark-proof screen holes.

Description	Hose Size	Maximum Hull Thickness	Installation Hole Size	OEM Part #	Part #
Straight Vent	5/8" I.D.	1/2"	7/8"	66004-1	—
90° Vent	5/8" I.D.	1/2"	7/8"	66023-1	—



66004



66023

### Polypropylene Fuel Vents

Patented splash-resistant, corrosion-resistant polypropylene.

Description	Color	Hose Size	Maximum Hull Thickness	Installation Hole Size	OEM Part #	Part #
Straight Vent	Black	5/8" I.D.	7/8"	3/4"	1607-1	1607-3



1607

# MARINE ACCESSORIES

## Anchoring & Mooring Equipment



110

Attwood offers a wide selection of cast anchors, popular penetrating anchors, made in the U.S.A SoftSide fenders, and all the related accessories for a secure anchorage or mooring.

## Marine Ropes & Cordage



116

Complete line of marine rope and cordage designed with the industries most recognized material and constructed for strength, flexibility, and durability.

## Fishing Rod Holders & Accessories



123

Attwood's comprehensive selection has you covered for with all types of adjustable rod holders and interchangeable mounts.

## Marine Maintenance Products



129

Ensure proper storage and cleaning of your vessel with Attwood maintenance products.

## Interior & Boating Accessories



129

Attwood offers a variety of boating accessories to fit all your boating needs.



# MARINE ACCESSORIES

## Electrical Accessories



135

Attwood battery boxes are designed to better preserve your battery and protect those onboard. All battery boxes meet ABYC standard E-10 and U.S. Coast Guard specifications.

## Paddlesports & Accessories



143

Designed with an optimum blend of quality construction and on-the-water performance, Attwood offers a wide selection of paddles, hardware, and storage accessories.

## Trailing Parts & Accessories



148

Attwood offers a complete range of trailing equipment and accessories, for replacement and original equipment installation.

## Horns



158

Complete line of industry leading marine horns to fit your desired frequency, size of your vessel, and style.

## Wiper Motors, Arms & Blades



158

Attwood offers a wide variety of wiper systems specific to the marine industry designed for use in harsh environments.



# Anchoring & Mooring Equipment

## Mushroom Anchors

Mushroom anchors are an economical solution for light-weight boats. The wide-area mushroom cup provides sufficient holding power in mud and weed bottoms.

- Gray cast iron
- Large, steel eye
- Available coated with aluminum-painted finish or black PE-coated finish

Description		OEM Part #	Part #
Aluminum - Painted	8 lbs.	9941-1	—
	10 lbs.	9942-1	—
	15 lbs.	9943-1	—
Black PVC-coated	8 lbs.	9941B1	—
	10 lbs.	9942B1	—
	15 lbs.	9943B1	—



## Navy Anchors

Navy anchors combine weight with flukes to dig in and hold firmly in sand and mud. The reverse action of the shank allows quick retrieval of a fouled anchor. High-quality, gray iron casting available with aluminum-painted or black PE-coated finish.

Description		OEM Part #	Part #
Aluminum - Painted	10 lbs.	9933-1	—
	15 lbs.	9934-1	—
	20 lbs.	9935-1	—
Black PE-coated	10 lbs.	9933B1	—
	15 lbs.	9934B1	—
	20 lbs.	9935B1	—



## River Anchors

River anchors catch and hold river bottoms where mud, rocks, stumps, and brush are present. Flukes act like a grappling hook to snag rocks or other objects. Gray, cast iron with a large, steel eye and black PE-coated or aluminum-painted finish.

Description		OEM Part #	Part #
Aluminum - Painted	15 lbs.	9948-1	—
	18 lbs.	9946-1	—
Black PE-coated	12 lbs.	9945B1	—
	15 lbs.	9948B1	—
	18 lbs.	9946B1	—



Note- All OEM Packed anchors include ID label with UPC number/bar code.

## Penetrating Fluke Anchors

Penetrating fluke anchors dig into mud, sand, or gravel and stow flat. Pivoting flukes rotate downward into bottom. Excellent weight-to-holding power ratio compared to cast anchors. All Attwood penetrating anchors are manufactured of hot dip galvanized steel for corrosion resistance and strength. The assembly is arc-welded steel that maintains consistent fluke-to-shank angles, ensuring quick penetration and a firm hold.

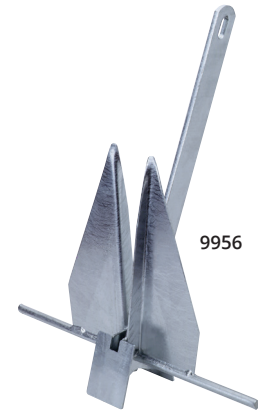
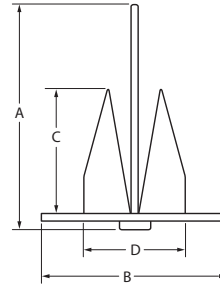
### Solid Shank Penetrating Anchors

Solid shank for durability and strength.

#### Specifications

Part No.	A	B	C	D
9955-1	22.25"	18.38"	12.20"	10.0"
9956-1	28.18"	21.0"	14.50"	11.0"
9957-1	32.0"	24.0"	16.50"	12.0"

Size	OEM Part #	Part #
#8	9955-1	—
#13	9956-1	—
#18	9957-1	—



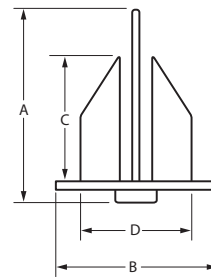
### Slip-Ring Penetrating Anchors

Feature a slip-ring shank for easy retrieval of a snagged anchor.

#### Specifications

Part No.	A	B	C	D
9960-1	13.85"	11.50"	8.75"	8.0"
9961-1	16.35"	13.25"	8.88"	8.88"
9962-1	19.85"	14.25"	9.50"	10.0"
9963-1	21.85"	21.0"	12.0"	12.0"

Size	OEM Part #	Part #
#5	9960-1	—
#7	9961-1	—
#10	9962-1	—
#13	9963-1	—



### Grapnel Folding Anchors

Ideal four-fluke anchor for personal watercraft (PWC), small craft, and dinghies. Heavily galvanized, malleable iron. Folds up easily for storage. Lockable in opened or closed position.

Size	OEM Part #	Part #
3 lbs.	11964-1	—
5 lbs.	11966-1	—



### Grapnel Anchor System

3.5 lb. anchor will hold your PWC, canoe, dinghy, kayak, or float tube in mud, sand, gravel, and rock. Includes 25 ft. of rope, marker buoy, giant snap hook, anchor, and durable, nylon storage case that protects your boat from scratches.

Description	OEM Part #	Part #
Grapnel Anchor System	—	11969-4



## Anchor Chains and Shackle

For use on penetrating anchors. Anchor lead chain holds down anchor shanks, in order to keep anchor flat. Increases holding strength, especially in strong currents, high winds, and coastal waters. Protects line from chafing on sharp rocks. These anchor chains include a welded, oversized link on each end for easy installation and anchor attachment.



13753-7

Description	Dimensions	OEM Part #	Part #
Hot dip galvanized with 2 shackles	1/4" x 4'	—	13753-7

## Lift 'n Lock Anchor Control

Easy-to-use anchor lift and pulley system supports anchors up to 20 pounds with 1/2 inch diameter line (sold separately).

### Deluxe Anchor Control

- High-impact, reinforced nylon
- Stainless steel shafts
- Easy pull-up, lock, and release

### Standard Anchor Control

- Economical zinc-plated, steel anchor lift
- Nylon pulley system
- Steel sheave controls anchor from any position

Description	OEM Part #	Part #
Deluxe—Anchor Lift 'n Lock	—	13702-4
Standard—Anchor Lift 'n Lock	—	13700-7



13702



13700

## Anchor Buoy

One-piece, heavy-duty construction uses premium marine-grade vinyl for softness, pliability, and superior durability. Built-in UV inhibitors help maintain high-visibility, fluorescent orange color. MicroGuard® technology further protects from rotting, mold, and mildew.

Description	OEM Part #	Part #
Buoy, 9"	—	9350-4



9350

## Anchor Ring & Rope

Assists in anchor retrieval. Designed to lift anchor systems up to 80 lbs. where 10 feet or more of anchor chain is used. Lifting capacity based on anchor buoy size. Buoy sold separately.

Description	OEM Part #	Part #
Anchor Ring with rope	—	9351-2



9351

## Softside Fenders

Attwood SoftSide fenders come with a lifetime guarantee against chalking, splitting, marring, deflating, and crushing. All SoftSide fenders are made in the U.S.A. and resistant to UV and fading. Soft to the touch and easy on hulls, consumers trust the Attwood name in fenders.

### SoftSide Oval Mooring Fenders

Molded from a lightweight polymeric material that is soft to the touch, and easy on hulls, and resistant to UV, chalking, splitting, and crushing. Double-molded eye ends for extra strength. Seamless one-piece construction. Oval shape and ribbed sides resist rolling against hull.

- Sold in a display carton for easy display
- Guaranteed for life against splitting or bursting

Description	Color	OEM Part #	Part #
4"-dia. x 16" L	White	—	9354D1
	Blue	—	9354BD1
5"-dia. x 22" L	White	—	9355D1
5"-dia. x 22" L	Blue	—	9355BD1
6"-dia. x 24" L	White	—	9356D1
	Blue	—	9356BD1
8"-dia. x 28" L	White	—	9358-1
	Blue	—	9358B1



### Mooring Fender Lock Kit

Quickly and easily install or move fenders when mooring. Simply tie fender line onto key and insert key into lock. Includes (2) flush-mount stainless steel mounting plates and (2) stainless steel keys. Fasten with (2) #10 fasteners. Accepts up to 1/2 inch rope.

Description	OEM Part #	Part #
2" W x 1" H, Set	—	11575-3



### Pontoon Fender

Description	Dimensions	Mounting Pattern	OEM Part #	Part #
Pontoon Fender	8 1/2" x 16 1/2" x 10"	Strap	—	93536-1



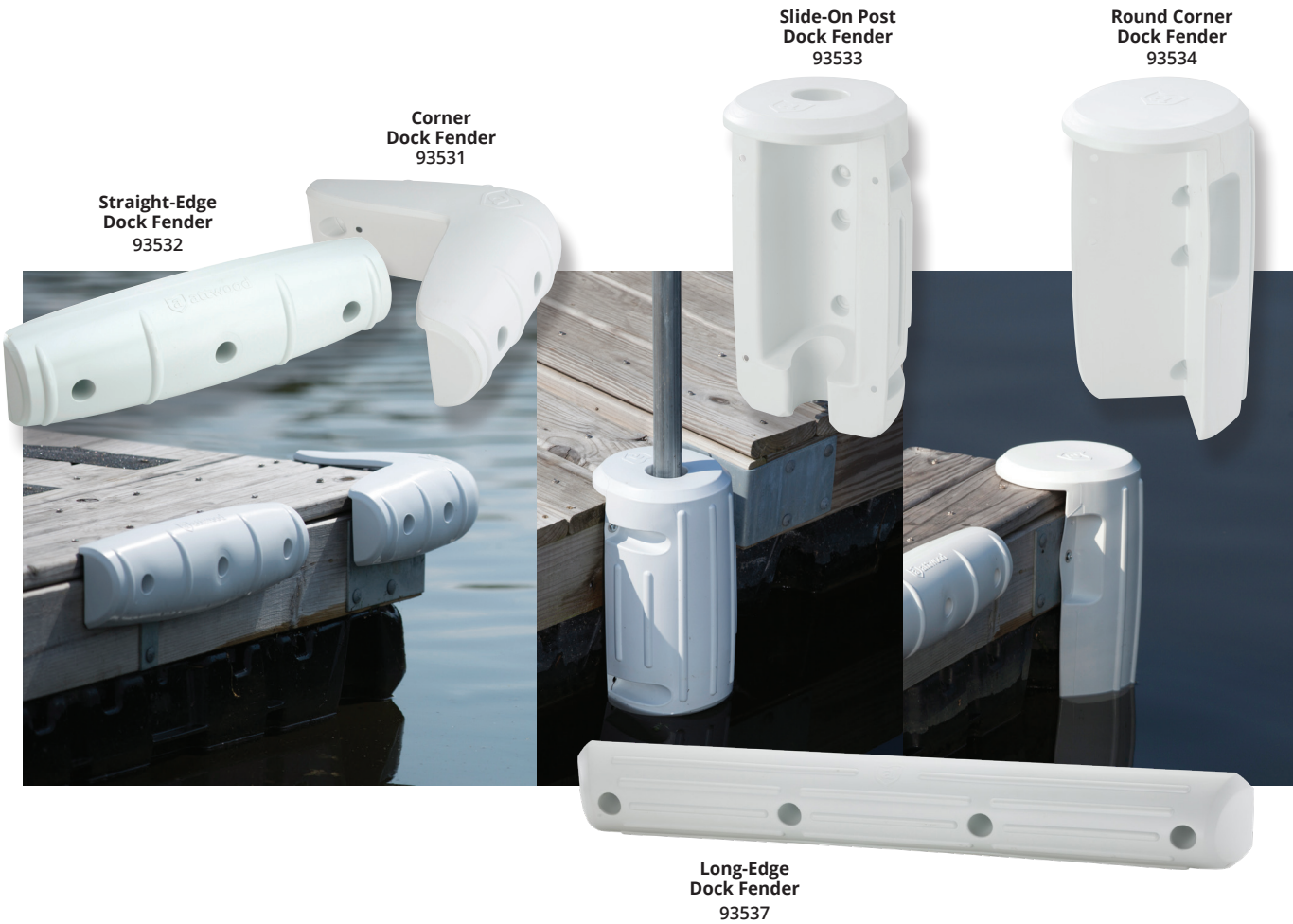
Note - All OEM Packed fenders include ID label with UPC number/bar code.

## SoftSide Dock Fenders

Molded from a lightweight polymeric material that is soft to the touch, easy on hulls, and resistant to UV, chalking, splitting, and crushing. Seamless one-piece construction.

- Sold in a PDQ display carton for easy retail display
- Guaranteed for life
- Made in the U.S.A.

Description	Dimensions	Mounting Pattern	OEM Part #	Part #
Corner Dock Fender	11-3/4" x 11-3/4" x 4-1/2"	Fits 90° angle	(4) 5/16" holes	93531-1
Straight-Edge Dock Fender	18" x 3-1/2" x 4-1/2"		(3) 5/16" holes	93532-1
Slide-On Post Dock Fender	7" diam. x 15" height	Fits up to 2-3/8" O.D. Post	(4) 5/16" holes	93533-1
Round Corner Dock Fender	7" diam. x 15" height	Fits 90° angle"	(6) 5/16" holes	93534-1
Long-Edge Dock Fender	45" x 6" x 4"		(4) 5/16" holes	93537-1



## Zig-Zag Fender Hanger

No need for knots in your fender lines. Keeps fenders in place with a simple system. Put line over rail and weave it through the zig-zag teeth.

Description	OEM Part #	Part #
Pair w/ 4' fender Lines	—	11952-7



11952

Note- All OEM Packed fenders include ID label with UPC number/bar code.

### Fold-Down Dock Cleats

Ideal for small boats and watercraft. Cleats simply fold-down when not in use and flip back up when it comes time to tie off. Low-profile, fold-down design keeps cleat clear of dock traffic. Marine-grade aluminum protected with corrosion-resistant finish. Easy to install on all dock types with (2) standard 3/8 inch carriage bolts (not included).

Description	Color	OEM Part #	Part #
6" Fold-Down Cleat	White	—	12048-4
8" Fold-Down Cleat	White	—	12049-4

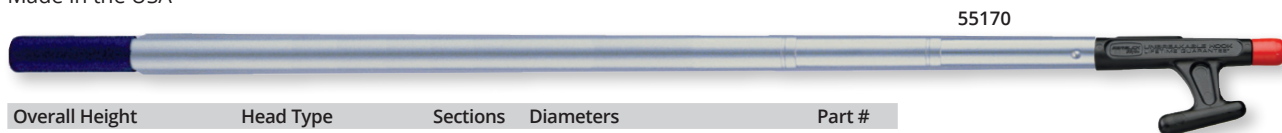


12048

## Telescoping Adjustable Length Boat Hooks for Compact Stowage

### HD Telescoping Boat Hooks

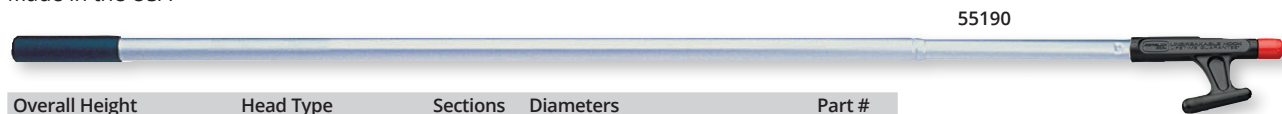
Made in the USA



Overall Height	Head Type	Sections	Diameters	Part #
Tele 3.5' -> 8'	Marine Composite	3	1", 1.125", 1.25" (25, 29, 32mm)	55170
Tele 56" -> 12'	Marine Composite	3	1", 1.125", 1.25" (25, 29, 32mm)	55175

### Telescoping Boat Hooks

Made in the USA



Overall Height	Head Type	Sections	Diameters	Part #
Tele 4'-7.5' (122-229cm)	Marine Composite	2	1", 1.125" (25, 29mm)	55190

### Fixed Length Boat Hooks

Made in the USA



Overall Height	Head Type	Sections	Diameters	Part #
4' Poly Head	Marine Composite	1	1" (25mm)	55004
6' Poly Head	Marine Composite	1	1" (25mm)	55006
8' Poly Head	Marine Composite	1	1" (25mm)	55008

### Boat Hook

Telescoping adjustment collar has molded ribbing – easy to grip and twist for length adjustment, even when wet. High-quality 6061-T6 aluminum tubing with marine finish and rubber vinyl grips. Hook includes non-marring polyethylene tips.



Description	OEM Part #	Part #
Extends 3-1/2' to 5-1/2'	—	11150-5
Extends 3-1/2' to 8'	—	11180-5

## Marine Ropes & Cordage

Attwood offers a complete line of anchor and mooring products with the premium performance and quality that boaters have come to expect. Our rope products are packaged to look great, while meeting the sustainability and functional requirements demanded by our retail customers.

### Rope Materials

#### Nylon

Nylon is recognized in the marine industry for its inherent strength, durability, and versatility. Its elasticity allows it to manage the sudden shock loads that would break ropes constructed from other materials, making it a leading choice for anchor and dock lines. Nylon is also abrasion resistant and will last much longer than natural fiber ropes.

Made from multifilament fibers that are light and heat stabilized, nylon rope is also resistant to rot, oils, gasoline, grease, marine growth, and most chemicals.

#### Benefits

- Strength
- Elasticity enables stretching and reduced breakage
- Resistant to UV light, rot, abrasion, mildew, oils, gasoline, and marine growth
- High wet strength

#### Polypropylene

Polypropylene offers high strength-to-weight performance and is available in many construction methods using monofilament fibers, which are smooth and velvety, and multifilament fibers. Both fiber types are UV stabilized to provide resistance against fading and degradation. Waterproof polypropylene ropes float and are also resistant to rot, oils, gasoline, and most chemicals.

#### Benefits

- Economical and versatile
- Resistant to UV light, rot, abrasion, mildew, oils, gasoline, and marine growth
- Floatable

### Attwood Rope Construction Types



#### Twisted

- Splicable
- Economical construction
- The most common construction type for general purpose rope



#### Solid Braided

- Resists rotating underload
- Strong, soft, and light-weight construction
- Ideal for use in pulleys, guides, and blocks
- Resists unraveling when cut



#### Double Braided

- Braid over braid construction (two ropes combined into one rope)
- Splicable
- Does not hockle, kink, or rotate underload
- Excellent shock absorption and elasticity



#### Diamond Braided

- High quality construction
- Tight interlacing of yarns
- Stiffer than solid braided rope



#### Hollow Braided

- Diamond braid construction with hollow center
- Easiest type construction to splice

## Anchor Lines

Attwood offers anchor lines in different materials and construction types. Our twisted nylon construction is strong, hangs straight, and resists kinking. It can also be spliced, making it a favorite for the seasoned boater. Solid braided nylon lines are stable round cords that will not flatten out and will maintain a soft hand and flexibility throughout its life. We also offer a complete line of polypropylene anchor lines that are sure to meet the needs of any boater.

### Premium Nylon Anchor Line

Available with Snap Hook or Thimble

Description	Thickness	Length	Color	OEM Part #	Part #
Twisted nylon line with hook	3/8"	50 ft.	White	—	11707-7
Twisted nylon line with thimble	3/8"	100 ft.	White	—	11734-1
		150 ft.	White	—	11708-1
		200 ft.	White	—	11716-1
	1/2"	100 ft.	White	—	11709-1



11707



11709

### Solid Braided MFP Anchor Line

Available with Spring Hook or Thimble

Description	Thickness	Length	Color	OEM Part #	Part #
MFP line with spring hook	3/8"	50 ft.	White	—	11723-7
			Red	—	11736-7
			Blue	—	11741-7
			Black	—	11742-7
MFP line with thimble	3/8"	100 ft.	White	—	11724-1



11723



11724

### Hollow Braided Polypropylene Anchor Line

Available with Snap Hook or Thimble

Description	Thickness	Length	Color	OEM Part #	Part #
Polypropylene with snap hook	1/4"	50 ft.	White	—	11714-2
Polypropylene with spring hook	3/8"	50 ft.	Blue/White	—	11725-2
			1/4"	100 ft.	Blue/White



11714



11725

## Dock Lines

Attwood has a selection of dock lines to meet all boater needs for securing their boat to a dock or to other boats when rafting. Whether in nylon or polypropylene, we have dock lines in the most popular sizes and styles. Our nylon dock lines are the strongest and most durable lines available, plus they are resistant to the degradation effects of UV rays.

Our polypropylene dock lines are floatable. All Attwood dock lines are pre-spliced at one end.



3-Strand Twisted Nylon



Double Braided Nylon



Braided MFP



Hollow Braided Polypropylene



### Premium 3-Strand Twisted Nylon Dock Line

Thickness	Length	Color	OEM Part #	Part #
3/8"	10 ft.	White	—	11711-7
	15 ft.	White	—	11705-7
1/2"	15 ft.	White	—	11706-7
	20 ft.	White	—	11733-7
	25 ft.	White	—	11715-7



11711

### Premium Double Braided Nylon Dock Line

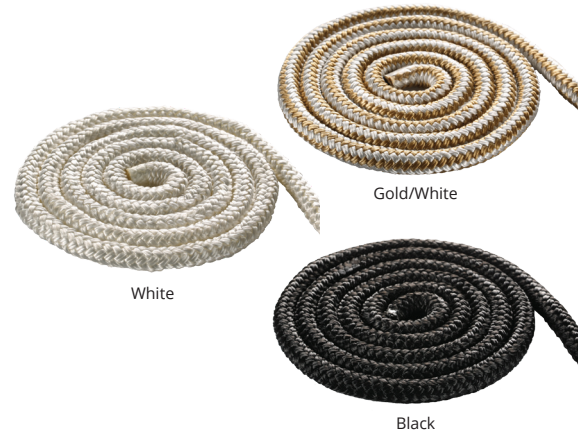
Thickness	Length	Color	OEM Part #	Part #
3/8"	15 ft.	Gold/White	—	11701-7
		White	—	117601-7
		Blue	—	117603-7
		Black	—	117604-7
20 ft.		Gold/White	—	117563-7
		White	—	117605-7
		Blue	—	117607-7
		Black	—	117608-7
25 ft.		Gold/White	—	117564-7
		White	—	117680-7
		Black	—	117681-7



11701

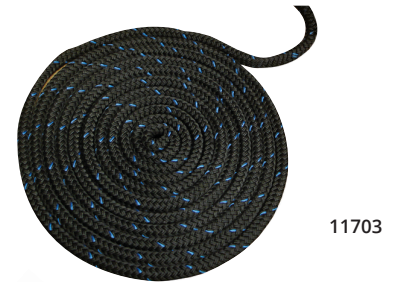
### Premium Double Braided Nylon Dock Line

Thickness	Length	Color	OEM Part #	Part #
1/2"	15 ft.	Gold/White	—	117565-7
		White	—	117614-7
	20 ft.	Gold/White	—	117566-7
		Black	—	117617-7
	25 ft.	Gold/White	—	117567-7
		Black	—	117621-7
30 ft.	Gold/White	—	117684-7	
	35 ft.	Gold/White	—	117525-7



### Braided MFP Dock Line

Description	Thickness	Length	Color	OEM Part #	Part #
Double Braided	3/8"	15 ft.	Blue	—	11702-7
			Black	—	11703-7
Solid Braided	3/8"	15 ft.	White	—	11737-7
			Red	—	11749-7
			Blue	—	11750-7
			Black	—	11752-7



### Mooring Snubber Kit

This flexible snubber stretches to absorb shock and protect boats, cleats, and lines from the strain of wind and water. The resilience of the snubber can be adjusted to conditions by increasing or decreasing the amount of line wrapped around it. Includes snubber and 20 ft. of solid braided multifilament polypropylene dock line.

Description	Thickness	Length	Color	OEM Part #	Part #
Mooring Snubber Kit	3/8"	20 ft.	Blue	—	11730-7



### Hollow Braided Polypropylene Dock Line

- 15 ft. of hollow, braided polypropylene dock line
- All our polypropylene dock lines are floatable and pre-sliced at one end

Description	Thickness	Length	Color	OEM Part #	Part #
	3/8"	15 ft.	Blue/White	—	11728-2





11729

### Expandable Dock Mooring Line

- Absorbs shock by stretching from 4 ft. to 5.5 ft.
- Convenient and easy to use -- eliminates excess lines
- Perfect for multiple boat tie ups
- Hollow-braid polyethylene line and shock cord construction

Length	Color	OEM Part #	Part #
4 ft.	Black	—	11729D5



11732

### Launch Line

- Solid braid MFP line includes spring hook and handy foam grip
- Easy to handle floatable line that dries quickly
- UV Resistant
- Helps assist or steer your boat when launching or loading

Thickness	Length	Color	OEM Part #	Part #
5/16"	30 ft.	Blue	—	11732-7

## Fender Lines

Attwood Fender Lines are constructed of double braided nylon for strength, flexibility, and durability. These premium lines feature a professionally spliced eye and are available in a range of diameters, lengths, and colors. Our Fender Lines will not be damaged by oil, grease, gasoline, mildew, or most chemicals.

### Double Braided Fender Lines

Description	Thickness	Length	Color	OEM Part #	Part #
Double Braided Nylon, pair	1/4"	5 ft.	White	—	11843-7
		6 ft.	White	—	11971-7



11843

## Utility Ropes

We have just the unique rope product and accessory that are always practical and valuable for the many uses around the boat, marina and home.



11704

### Braided Polypropylene Utility Line

- Multi color offering
- 25 foot offering comes in PDQ retail display of three ropes

Thickness	Length	Color	OEM Part #	Part #
3/8"	25 ft.	Multi	—	11704-2



11710

11713

### Hollow Braided Polypropylene Utility Line

Thickness	Length	Color	OEM Part #	Part #
5/16"	50 ft.	Blue	—	11713-2
1/4"	40 ft.	Yellow	—	11710-2
	50 ft.	Yellow	—	11720-2
	100 ft.	Blue	—	11721-2



11700

### Diamond Braided Polypropylene Utility Line

- Great for miscellaneous uses around the boat, home, and marina
- Neon multi-color offering

Thickness	Length	Color	OEM Part #	Part #
1/8"	45 ft.	Neon Multi	—	11700-2



11717

### Camouflage Cord Utility Line

- Diamond Braided MFP Camo Cord
- Great for hunting, fishing, boating, and camping
- 75 foot offering comes in PDQ retail display of four ropes

Thickness	Length	Color	OEM Part #	Part #
1/8"	50 ft.	Camo	—	11717-2
	100 ft.	Camo	—	11718-2
1/4"	50 ft.	Camo	—	11719-2



11726

### Twisted Nylon Utility Line

Thickness	Length	Color	OEM Part #	Part #
1/4"	50 ft.	White	—	11726-2



117553

### Solid Braided Nylon Rope

Thickness	Length	Color	OEM Part #	Part #
3/16"	100 ft.	White	—	117553-7



117561

### Diamond Braided Nylon Rope

Thickness	Length	Color	OEM Part #	Part #
1/4"	50 ft.	White	—	117561-2



11739

### Winch Ropes

Durable winch ropes available in twisted polypropylene. For winches rated up to 1,200 lbs.

Thickness	Length	Material	Color	OEM Part #	Part #
3/8"	20 ft.	Twisted Polypropylene	Black	—	11739-2



11712

### Marine Bungee Cord Pack

Ideal for boat covers and general use.

- High tensile strength steel hooks with protective coating
- Contains: (8) 24" White, (6) 30" Blue, (2) 42" Yellow and (2) Adjustable Hooks for customizing length

Description	Length	Color	OEM Part #	Part #
18 Piece Assortment	Multi	Multi	—	11712-7



11753

### Flat Bungee Set

5-piece set includes 12", 15", 25", 35" and 45" premium flat bungees with plastic encapsulated hooks. Individual colors.

Description	Length	Color	OEM Part #	Part #
5-Piece Assortment	Multi	Multi	—	11753-7

## Marine Rope Accessories

### Rope Wraps

Wrap around and hold your ropes, cords, hoses, and more.

Description	OEM Part #	Part #
Three (3) 1" x 12" straps, with sewn in hook-and-loop fasteners	—	11792-6



11792

# Fishing Rod Holders & Accessories

## Make Attwood your fishing source

Now, more than ever, Attwood is your best source for adjustable rod holders and interchangeable mounts. We think you'll agree — Attwood's comprehensive selection has you covered for all types of rod holders!



5010



5009

### Pro Series Rod Holders

Designed for use with bait casting and spinning reels. Heavy-duty, deep-tooth gear lock securely holds rod holder in mounting base.

Mount	Color	OEM Part #	Part #
Combo	Black	—	5010-4

### Heavy-Duty Adjustable Rod Holders

Designed for use with bait casting and spinning reels. Features an ergonomic design and easy-to-find rapid-release latch. The large, easy-grip lock-nut offers an easy 180° vertical adjustment range for a variety of rod tip height settings.

Mount	Color	OEM Part #	Part #
Combo	Black	—	5009-4
	White	—	5009W4
Flush	Black	—	5014-4



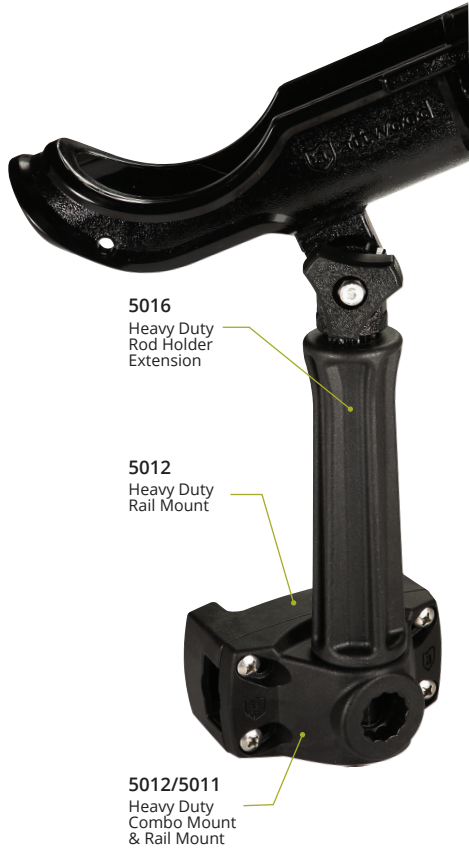
RH-4646

### 2-In-1 Non-Adjustable Rod Holders

Features fixed vertical angle to optimize rod positioning. Smaller size is perfect for medium and light action gear. Rod throat opening fits most standard and ultra-light rods up to 1-3/16 inches diameter. Locking ring fits spinning reel handle shanks up to 7/16 inch diameter. Available as a double-pack.

Mount	Color	Pk Qty	OEM Part #	Part #
Side	Black	2-pack	—	RH-4646

Note - 2-In-1 OEM Packed Rod Holders include ID label with UPC number/bar code



5016  
Heavy Duty  
Rod Holder  
Extension

5012  
Heavy Duty  
Rail Mount

5012/5011  
Heavy Duty  
Combo Mount  
& Rail Mount



### Heavy-Duty Rod Holder Extensions

For use with all Attwood mounts including combo mount, Attwood standard side mounts, and other leading rod holder mounts. Complete with all necessary hardware to mount to round or square 7/8 inch to 1-1/4 inch diameter rail.

Description	Color	OEM Part #	Part #
Extension	Black	—	5016-3



### Heavy-Duty Rail Mount

For use with the Heavy-Duty Combo Mount. Complete with all necessary hardware to mount to rails from 3/4 inch to 1-1/4 inch width.

Description	Color	OEM Part #	Part #
Rail Mount	Black	—	5012-7



### Heavy-Duty Combo Mounts

The combo rod holder mount allows for mounting in multiple configurations. This new design offers an improved fit with positive lock for secure rod holder mounting. Can be mounted on side or top of gunwale. Compatible with all Attwood and other leading rod holder mounting patterns.

Description	Color	OEM Part #	Part #
Combo Mount	Black	—	5011-7



5022

### Flush Mounts

Mounts flush to gunwale or deck. Easy-open cover conceals fasteners and elastomeric liner seals water out. When closed the low profile, smooth, contoured design avoids snagging lines.

Description	Color	OEM Part #	Part #
Flush Mount	Black	—	5022-7



5030-4

### Heavy-Duty Clamp-On Rod Holder Mount

Heavy-duty adaptor clamp easily mounts rod holder to gunwale or transom. Ideal for aluminum fishing boats and pontoons. Works together with Attwood's Heavy-Duty Combo Mount and other Attwood fishing accessories. Mounting hardware included.

Description	OEM Part #	Part #
Gunwale/Transom Rod Holder Clamp	—	5030-4



5031

## Clamp-On Rod Holder

Versatile Clamp-On Rod Holder features wide adjustability and a universal clamp design that allows easy mounting to gunwales, transoms, and rails. Constructed of powder coated steel for durability and long life.

Description	Color	OEM Part #	Part #
Clamp-On Rod Holder	Black	—	5031D1



9709

## Mini Rigger Kit

A complete package to start downrigger fishing. Attwood's Mini Rigger Kit bring controlled-depth trolling capabilities to boats of all size. Kit includes Heavy-Duty Combo Mount for multiple mounting configurations, heavy-duty and easy to use professional line release, swivel head pulley to respond to line movements, 100 ft. of stainless steel line, 4 lb. cannonball weight, and an easy grip handle.

Description	OEM Part #	Part #
Mini Rigger with Harness	—	9709-7



11848

## Lure Rack

The lure rack holds up to 25 lures, plus a fillet knife and pliers. Has slots for fillet knives.

Description	OEM Part #	Part #
Lure Rack	—	11848-4

## Sure-Grip Steel Rod Holders & Mounting Bases

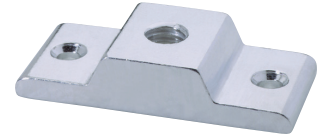
Attwood's line of Sure-Grip Steel Rod Holders are the perfect complement to our molded Pro-Series and Heavy-Duty Adjustable rod holders. They are designed for drift fishing, pan fishing, crappie, and more. Make Attwood your single source for all types of rod holders! The 3/8 inch diameter coated steel rod is tough, strong, and corrosion-resistant. UV-resistant plastic coating protects the rod butt and handle. Stainless steel exposed stem and wing nut offer years of corrosion-resistant use. Attwood Sure-Grip mounting bases fit a variety of mounting surfaces including rails. Constructed of extruded aluminum.

### Sure-Grip Mounting Bases

Base	Fits	OEM Part #	Part #
Flush base, fits	2" flat surfaces	—	5071-3
Flat rail base, fits	square rail	—	5072-7
Clamp-on rail base, fits	round rail up to 7/8"-dia.	—	5074-3



5071



5072



5074

### Sure-Grip Stainless Steel Rod Holders

Angle	Stem Length	Use for	Includes	OEM Part #	Part #
5° Angle	4" w/ Wing Nut	horizontal rod position	5071 mounting base	—	5060-3
5° Angle	8" w/ Wing Nut	horizontal rod position with added clearance	5071 mounting base	—	5061-3
25° Angle	4" w/ Wing Nut	drifting or trolling	5071 mounting base	—	5062-3
			pair of rod holders and 5071 mounting bases	—	—
45° Angle	4" w/ Wing Nut	trolling	5071 mounting base	—	5063-3



5060



5061



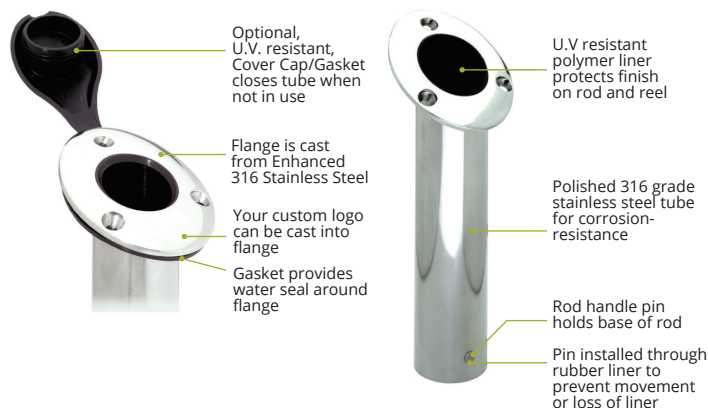
5062



5063

## Stainless Steel Flush Mount Rod Holders

Attwood Stainless Steel Rod Holders answer the need for the finest in finish, function, and durability. The holders are available in 30°, 15°, and 0° configurations in standard 2 inch diameter. All Stainless Steel Rod Holders have these outstanding features, including optional custom-casting or electrolytic etching of your logo in the flange. Contact your Attwood representative for details.



### Closed End Rod Holders

• 2" Diameter x 9" Length

Description	Flange Shape	End Type	Gasket Color	OEM Part #	Part #
30°	Round	Closed	Black	66470-1	66470-7
0°	Round	Closed	Black	66471-1	—



### Standard Series Rod Holders

• 2" Diameter x 7-1/2" Length

Description	Flange Shape	End Type	Gasket Color	OEM Part #	Part #
30°	Oval	Open	Black	66362-1	66362-7 ▽
			White	66362W1	66362W7 ▽
15°	Oval	Open	Black	66363-1	66363-7 ▽
			White	66363W1	66363W7 ▽
0°	Oval	Open	Black	66364-1	66364-7 ▽
			White	66364W1	66364W7 ▽

▽ Includes Cap Gasket

### Standard Series Cap Gasket

Description	Flange Shape	End Type	Gasket Color	OEM Part #	Part #
30°	Oval	Open	Black	1478-1	—
15°	Oval	Open	Black	1477-1	—
0°	Oval	Open	Black	1476-1	—

### Standard Series



## Stainless Steel Clamp-On Rod Holder

304 stainless steel with black composite liner. Can be used on vertical or horizontal rails. Adjustable for rails 7/8 inch to 1 inch diameter. 9 inch length, 1-3/4 inch inside diameter tube.

OEM Part #	Part #
—	66970-7



### Hybrid Rod Holder

10 inch long ABS plastic tube with stainless steel cap.

Description	OEM Part #	Part #
30° angle	6450-1	—
0° angle	6451-1	—



### Plastic Rod Holders

Durable ABS plastic construction. No liner needed. Holder is angled at 30° for proper rod tip tension. Installation hole size: 2-1/2 inch diameter. Flange has three holes for 1/4 inch screws. Accommodates standard rod grip sizes under 1-1/2 inch diameter.

Description	Color	OEM Part #	Part #
Open	Black	—	12701-5
Open, 8 pc Display	White	—	12703D1
Closed end	Black	12704-1	—



### Rod Storage

#### PVC Rod Holder Storage

Durable white PVC tube side mounts with molded out area to accommodate standard rod grip sizes up to 1-3/4 inches. 9 inches long.

OEM Part #	Part #
—	12708-2



#### Boat Deck Rod Holder Set

Mounts rod and reel combo to deck of the boat. Prevents rod and reel from bouncing out of boat while traveling. Holds up to five rods.

- Set includes: (1) 10 inch (25 cm) strap for the handle end of the rods, (1) 6 inch (15 cm) strap for the tips and stainless steel mounting hardware.

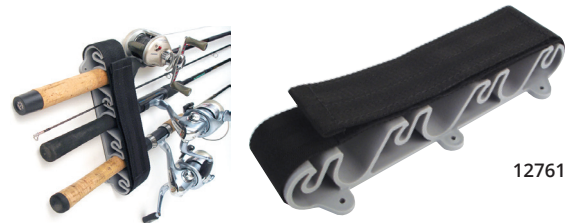
Description	OEM Part #	Part #
Deck Rod Holder Set	—	12760-7



#### Vertical Mount Rod Holder

- Mounts vertically in application to hold 5-6 rods horizontally
- Molded rubber inserts secure rod butt and tip
- Holds in a crisscross manner, allowing storage of more rods in a smaller space

Description	OEM Part #	Part #
Vertical Mount, Rod Holder Set	—	12761-7



#### Rod Storage Holder

Holds up to three fishing rods. Closed-cell foam insert protects rod. Mounts vertically or horizontally. 8-3/4 inches L x 2-1/2 inches W.

Description	OEM Part #	Part #
Black ABS frame, black foam	—	12750-6



## Marine Maintenance Products

### Deluxe Deck Brush Kit

Kit includes:

- Soft brush with squeegee end for gentle, scratch-free cleaning
- Telescoping aluminum pole with flow-through design has water on/off switch and comfortable foam grips
- Nylon boat hook attachment



OEM Part #	Part #
—	11807-2



### Spiral Watering Hose

- 3/4 inch end fittings
- Easy to store. No tangles, always kink-free.
- Weatherproof
- 3/8" I.D. x 25' Long

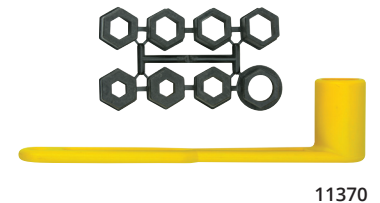
OEM Part #	Part #
—	11871-7



### Prop Wrench Kit

- Offers multiple sockets to fit from 17/32 inch to 1-1/4 inch, allowing consumers to service multiple props.
- Built of durable composite.
- Wrench with up to 1-1/16 inch prop nuts

OEM Part #	Part #
—	11370-7



## Interior & Boating Accessories

### Soft Grip Steering Wheel

Ideal steering wheel for bass boats, sport boats, and runabouts. Patented design provides a comfortable, and firm grip. Contemporary styling with soft, black PVC outer rim and high-impact, one-piece plastic inner core. Resists UV rays to prevent fading. Soft Grip is non-magnetic so it will not interfere with compass readings. 3-3/8 inches deep dish. Fits all standard 3/4 inch tapered shafts and conforms to ABYC P-22 and ISO 8848.

- 8315 NMMA "As Approved": 090071; CE Certificate WATT004

Description	Center Cap	OEM Part #	Part #
13"-diameter rim	Black plastic	—	8315-4



8315 with cap



8043

### Tiller Line Clamp

Two screws lock plates together to hold tiller lines in place. Die-cast ZAMAK with chrome finish.

Description	OEM Part #	Part #
For 3/16" to 1/4" dia. line	—	8043-3



2638

### Standard Glove Box

Plastic box and door are light-weight, yet sturdy. Door opens and closes easily on a stainless steel hinge pin and locks with a marine locking latch.

- Door Dimensions: 13-3/4" L x 5-1/2" H
- Inside Dimensions: 11-3/4" L x 4" H x 6-5/8" D
- Installation Hole Size: 12" L x 4-1/4" H

Description	OEM Part #	Part #
Black	2638-1	—



14142

### Letter & Number Kit

- 3 inch, waterproof vinyl, pressure-sensitive labels
- Resists fuel, fading, and scratches
- Kit contains: Four of each letter and number, plus twelve dashes totaling 148 pieces
- Meets USCG guidelines

Description	OEM Part #	Part #
White, 148 pieces	—	14141-7
Black, 148 pieces	—	14142-7



11865

### Rope Ladder

White, five-step boarding ladder. Sturdy 11-3/4 inch blow molded steps. Textured step surface for sure footing. Steps connected by a nylon rope with top loop that quickly secures to cleat or railing.

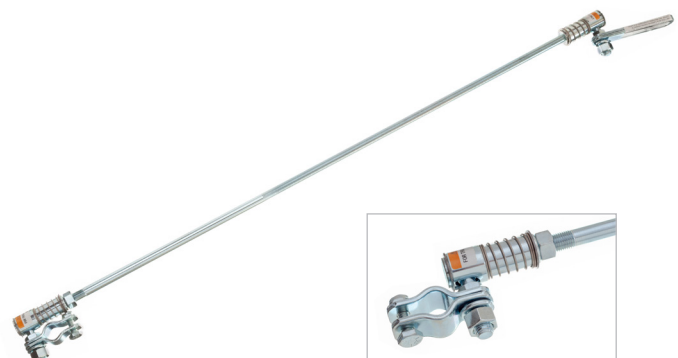
Description	OEM Part #	Part #
Rope Ladder	—	11865-4



### Outboard Kicker Motor Steering Kit

- Steer your kicker motor with your steering wheel by connecting your primary outboard engine to your kicker motor
- 24" zinc-plated rod is durable
- Cut connector rod to size to customize fit
- Quick disconnect assemblies make attachment and removal a breeze
- Tilt either motor while attached

Description	OEM Part #	Part #
Outboard Kicker Motor Steering Kit	—	11663-7



## Safety Products



118091

### Air Horn

Perfect for boating, sporting events, camping, and bicycles.

Description	OEM Part #	Part #
8 oz.	—	118092-7



11794

### Portable Spot Light

Compact 5-watt LED spot light can be stored most anywhere on the boat. Light output is 400 fixture lumens with 50,000 hours of life. Tough thermoplastic construction in safety yellow/black. Includes a 12V "cigarette-style" adaptor plug with fuse.

Description	OEM Part #	Part #
Compact Spot Light w/10' power cord	—	11794-7



11830

### Bailer Safety Kit

Kit Includes: waterproof emergency flashlight, bailer with easy-grip handle, 50 ft. marine rope with float, Pealess flat safety whistle with lanyard, and seamless "O" Ring.

Description	OEM Part #	Part #
5-Piece Kit	—	11830-2



11826-1

### Telescoping Paddle

- Compact for easy storage
- Telescopes to 42" (1.06m) or 54" (1.37m)
- High impact plastic blade with corrosion-resistant aluminum pole

Description	OEM Part #	Part #
Paddle, telescoping - 3.5'	—	11828-1
Paddle, telescoping - 4.5'	—	11826-1



11889

### Key Floats

Prevent loss of keys when dropped overboard. Three colors: orange, white and blue, with Attwood logo.

Description	OEM Part #	Part #
PDQ Carton, 24-Piece	—	11889D1



11875

### Floating Key Buoy

- Water resistant
- Cover snaps tight for storage of small items
- Distinctive orange top for easy visibility

Description	OEM Part #	Part #
Floating Key Buoy	—	11875-7

## Mirrors

Note: In some states and provinces, ski mirrors of a certain size/dimension, and/or an onboard observer may be required. Check local requirements.

### Wide View Ski Mirror

For installation on windshields 1/2 inch to 1 inch thick (or thinner with customer's own spacer). Provides extra-wide mirror for safe visibility. Molded plastic frame, polished convex mirror, and adjustable base (up-and-down or side-to-side, then secures in desired location). Includes Allen wrench.

Description	OEM Part #	Part #
11-3/4" W x 4" H, Adjustable	—	13065-4



13065

### Chrome Ski Mirror

Universal mount installs on dash or windshield. Shatterproof, 180° convex mirror eliminates blind spots. Mirror is compact and constructed of lightweight, chrome plated ZAMAK. Mirror adjusts to any position up-and-down or side-to-side, then secures in desired location.

Description	Dimensions	Max. Windshield Thickness	OEM Part #	Part #
Perma-Plate®, Adjustable	7-5/16" W x 2-1/2" H	3/4"	—	9083-7
Chrome-plated, Adjustable	7" W x 3-1/4" H	1"	—	13055-4



9083



13055

### Clamp-On Ski Mirror

Universal mount fits up to 1/2 inch thick window frames and adjusts easily to meet most boat applications. Curved mirror provides a wide field of view. Soft touch mounting clamps protect windows and frames. Zinc plated hardware and powder coated shaft assembly.

Max. Windshield Thickness	OEM Part #	Part #
1/2"	—	13066-7



13066

## Drink Holders



11786B



11786W

### LED Stainless Steel Drink Holders

Convenient and stylish LED drink holder makes it easy to see in low-light conditions. The vibrant 35 Lumen interior light ring comes in blue and white to complement all boat interiors. 12 VDC.

Dimensions	LED Color	OEM Part #	Part #
3.2" D x 3.6"-dia.	Blue	11786B-1	11786B-7
3.2" D x 3.6"-dia.	White	11786W-1	11786W-7



11631

### Molded Plastic Gimbaled Drink Holders

Self-leveling drink holders with slot for coffee cup handle. For boats, cars, and RVs. Molded plastic. Includes gimbaled surface-mounting bracket. Self-draining.

Description	Color	OEM Part #	Part #
4" H x 4-3/8" W	White	—	11631-4
	Black	—	11635-4



### Recessed Drink Holders

Available in sizes for a variety of cans, bottles, and glasses. Each has holes for self-draining.

Size	Dimensions	Color	OEM Part #	Part #
Regular	1-7/8" D x 3"-dia.	Black	11787-1	—
Deep	2-7/8" D x 3"-dia.	Black	11788-1	—
Large	3-1/8" D x 3-3/4"-dia.	Black	11789-1	—
Large	3-1/8" D x 3-3/4"-dia.	White	—	11789WD1
Large	3-1/8" D x 3-3/4"-dia.	Stainless Steel	11845-1	—



### Formed Wire Gimbaled Drink Holders

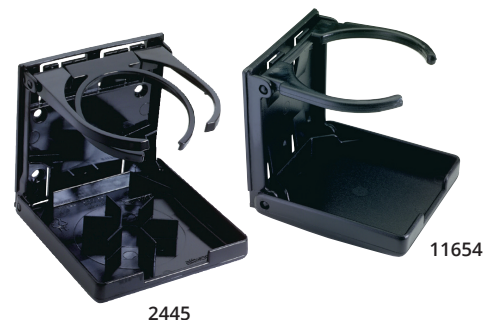
Formed, chrome-plated steel drink holders are ideal for boats, cars, and RVs. Includes a gimbaled surface-mounting bracket that keeps drinks level to prevent spills. Includes mounting screws.

Description	OEM Part #	Part #
Standard, ideal for 12-ounce cans	—	11670-4
Large, with slot for mug handle, includes cooler	—	11672-4

### Fold-Up Drink Holders

Two easy-to-use, fold-up designs. Holds coffee mugs with a handle, 12-ounce cans, or drink insulators. Mount quickly and easily on boats or RVs. On dual-ring models, flip the small ring up to hold small drinks; for large drinks, flip the small ring down and use the large ring. When not in use, flip ring(s) down and close the cover for convenient storage. 7/8 inch closed depth. Four holes for #10 screws.

Description		Color	OEM Part #	Part #
Dual Ring	Polycarbonate construction 4-5/8" H x 4-9/16" W x 4-3/4" D	Black	—	2445-7
		White	2449-1	2449-7
Single Rigid Ring	Molded ABS plastic 3-7/8" H x 3-3/4" W	Black	—	11654-3



## Storage Caddies

Storage caddies keep your boat organized. Easy-to-mount suction cups stay secure, even in rough conditions. Caddies can be mounted in back or on the bottom and can be permanently attached with screws. Non-corrosive white plastic.



### Cockpit Caddy

Great organizer for fishing gear and personal items. Has slots for fillet knife, pliers, and over 22 lures.

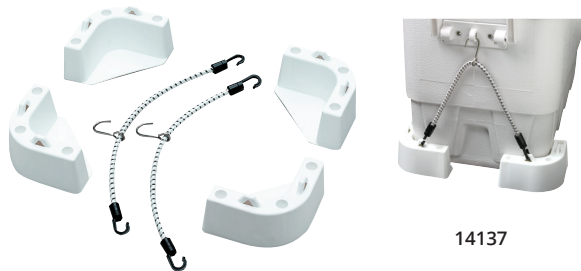
OEM Part #	Part #
—	11849-2



### Cruiser Caddy

Large storage space holds personal items and a beverage. Has slots for three lures and space for handled mug.

OEM Part #	Part #
—	11851-2



### Cooler Mounting Kit

- Cooler corners stay put with straps to prevent injury or boat and cooler damage
- Quick disconnect strap design
- Corrosion resistant
- Fastens with #8 screws

Description	OEM Part #	Part #
Cooler Mounting Kit	—	14137-7



### Dry Case Personal Storage

Heavy duty case protects personal gear and electronics. Waterproof up to 80 ft. Strong locking clasp and hinges. Includes carrying lanyard.

Size	Dimensions	OEM Part #	Part #
Large	7-1/4" x 4-3/4" x 1-5/8"	—	11896-1

## Heavy-Duty Dry Bags

Heavy-duty, 500 denier PVC fabric construction in safety yellow with black accented components. Strong over-molded carry handle and lower draw straps for maximum compression.

Size	OEM Part #	Part #
40 Liter	—	11894-2
20 Liter	—	11897-2



11894

# Electrical Accessories



## PowerGuard PRO Battery Boxes **NEW**

Experience the difference of PowerGuard PRO Series Battery Protection

- Upward facing vents let gases out while reducing water in-take by 94% - vs. PowerGuard 27 Series.
- Polypropylene Composite material is impervious to acid leaks and other external factors.
- Engineered spill channels direct water away from the battery.

With PowerGuard PRO, your battery is always within reach

- Folding entry panels provide easy access to the battery terminals without the need to remove the mounting strap.
- Versatile bidirectional design allows contact from any angle.
- Ergonomic handles provide more comfort when transporting the battery.

PowerGuard PRO takes security seriously

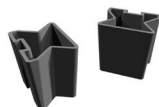
- Reinforced mounting hardware ensures the battery and box stay anchored.
- Spacer blocks are removable to fit Group 24, 27, and 31 batteries.
- Snap locking lid gives confidence that the battery will remain secure.



Battery Box Description	Dimensions with Lid Installed		Color/Style	OEM Part #	Part #
	Internal Dimensions (L x W x H)	Outside Dimensions (L x W x H)			
PowerGuard PRO	13-1/8" x 7" x 11"	21" x 11-1/4" x 11-1/2"	Black, vented	9070-1	9070-7*
<b>Accessories</b>					
Mounting Hardware—Includes: PRO Mounting Strap, Reinforced Mounting Brackets, Stainless Steel Mounting Screws				9015-1	9015-3
Battery Spacers				9016-1	9016-3

\* Retail pack comes with two battery spacers

\*\* Max battery height without terminals is 9-5/16"



9016  
Battery Spacers

- 1 Water-Resistant Ventilation:** Top facing ventilation minimizes water in-take through engineered spill channels, directing rain/splash away from batteries.
  - 2 Polypropylene Composite:** Polypropylene composite provides vital durability needed to support heavy lead battery cells, while resisting any run-off and UV discoloration.
  - 3 Folding Terminal Entry Panels:** Easily run terminal connected wires through folding terminal access panels, without the need to remove mounting strap.
  - 4 Snap-Lock Lid Design:** Locking lid provides peace of mind that lid will remain secure even under the most extreme of conditions.
  - 5 Free-Play Reduction Blocks:** Free-Play Reduction Blocks help ensure that 24 series battery cells are kept secure within the box, reducing damage to box and battery alike.
- **Reinforced Mounting Hardware:** Mounting hardware consists of reinforced mounting brackets and buckled strap to ensure box doesn't shift under heavy wave conditions.
  - **Bi-Directional Design:** Terminal Access Panels are positioned on either side of the box, allowing for maximum battery access.
  - **Ergonomically Designed Handles:** Ergonomic handles allow for easy transportation on and off vessels, trailers, and more.

## PowerGuard Battery Boxes

Polypropylene construction for total acid resistance. Hold-down straps resist 350 lbs. of force, nearly four times the USCG requirement. Drop tested in temperatures ranging from -20°F to +120°F. Mounting hardware included.



9082

### PowerGuard U1 Battery Box

For smaller batteries like Series 16 and those used in jet skis, power lawn, and garden equipment. Vented black battery box (5-7/8 inch maximum battery block height, 7-7/8 inch maximum battery height with terminals).



9065

### PowerGuard 24 Battery Box

Vented and non-vented battery box for standard size, Series 24 batteries (8-3/16 inch maximum battery block height, 10-1/8 inch maximum battery height with terminals). Note: 9069 cover is non-vented and is not for marine use.

- Four cable openings, enlarged to .55 inch-diameter
- Larger handles with rolled edges
- Instructions molded inside cover



9084

### PowerGuard 29/31 Battery Box

Vented black battery box for larger applications (7-15/16 inch maximum battery block height, 9-3/4 inch maximum battery height with terminals).



9067

### PowerGuard 27 Battery Box

Vented black battery box for Series 27 batteries (8-1/2 inch maximum battery block height, 10-1/2 inch maximum battery height with terminals).

- Four cable openings, enlarged to .55 inch-diameter
- Larger handles with rolled edges
- Instructions molded inside cover



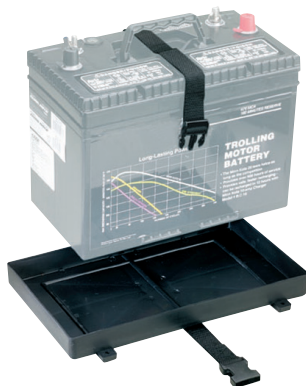
9076

### Power Box, F27 Series

- LED battery level indicator with one-touch test button
- Heavy duty non-corrosive black plastic box
- Hold-down strap included
- 12V DC accessory adapter port with 10A fuse built-in
- External terminals

Battery Box Description	Battery Series	Dimensions with Lid Installed		Strap Length	Color/Style	OEM Part #
		Inside Dim. (L x W x H)	Outside Dim. (L x W x H)			
PowerGuard U1 Battery Box	U1	8-1/4" x 5-1/2" x 5-7/8" * 8-1/4" x 5-1/2" x 7-7/8" **	11" x 7-1/2" x 8-1/2"	40"	Black, vented	9082-1
PowerGuard 24 Battery Box	24/24M/24F	10-5/8" x 7" x 10-1/8"	14" x 9-5/8" x 10-5/8"	40"	Black, vented Black, non-vented	9065-1 9069-1
PowerGuard 27	27/27F/27M	13-1/16" x 6-15/16" x 10-1/2"	16-7/8" x 9-5/8" x 10-7/8"	40"	Black, vented	9067-1
PowerGuard 29/31 Battery Box	29/31	15-7/16" x 6-15/16" x 7-15/16" * 15-7/16" x 6-15/16" x 9-3/4" **	18-7/8" x 9-1/4" x 10-1/4"	38"	Black, vented	9084-1
Power Box	27F	—	—	44"	Black	9076-1

\* Without terminals  
\*\* With terminals



9092

### Battery Tray with Straps

A simple-to-install battery holder that fits into limited spaces. For batteries up to 10-1/2 inches in height. Provide simple installation for changing or replacing batteries. The polypropylene hold-down strap has a positive locking, quick-disconnect buckle. Molded base mounts with four #10 panhead fasteners.

Battery Series	Inside Dimensions	OEM Part #	Part #
24/24M	7" L x 11" W	—	9092-5
27/27M	12-3/8" L x 7-1/8" W	—	9093-5
29/31	12-7/8" L x 7" W	9099-1	9099-5



9096

### Heavy-Duty Battery Trays

Made of non-corrosive black plastic. Includes adjustable height crossbar and stainless steel retaining bolts. Meets ABYC Standard E-10 and U.S. Coast Guard requirements. Install with #10 fasteners.

Battery Series	Inside Dimensions	OEM Part #	Part #
24/24M	10-7/16" L x 6-7/8" W	9096-1	9096-5
27/27M	12" L x 6-7/8" W	9095-1	9095-5
29/31	13-1/16" L x 6-7/8" W	9094-1	9094-5



9097

### Heavy-Duty Adjustable Battery Trays

Made of heavy-duty, non-corrosive, black plastic, this tray extends up to 9.5 inches, making it ideal for taller batteries. Includes adjustable-height crossbar and (2) retaining bolts. Contains no metal parts to corrode and no webbing straps to fade. Ergonomic nuts and bolts easily secure batteries. Meets ABYC Standard E-10 and USCG requirements.

- Rust-proof tray adjusts from 7-9.5 inches for taller batteries
- Made in the USA

Battery Series	Inside Dimensions	OEM Part #	Part #
24/24M/24F	10-5/8" x 6-3/4"	9097-1	9097-5
27/27M/27F	12-1/8" x 6-3/4"	9098-1	9098-5



9091

### Low Profile Adjustable Battery Trays

Heavy-duty, non-corrosive black plastic. Includes adjustable-height crossbar and two retaining bolts. Meets ABYC Standard E-10 and U.S. Coast Guard requirements. Patented design. Install with #10 fasteners.

Battery Series	Inside Dimensions	OEM Part #	Part #
24/24M	10-5/8" x 7-1/4" x 8-1/2"	9090-1	9090-5
27/27M	12-5/8" x 7-1/4" x 8-1/2"	9091-1	9091-5

### Battery Box Hold-Down Straps and Hardware

Straps are woven polypropylene with firm-grip buckles and are completely resistant to battery acid. Kit includes (4) #8, 3/4 inch screws and two footman clamps.

Description	Fits Battery Box(es)	OEM Part #	Part #
40" strap kit	9065, 9065A, 9067, 9082, 9069	9013-1	9013-3
40" strap only	9065, 9065A, 9067, 9082, 9069	9014-1	9014-3
54" strap kit	9084	—	9013A3
54" strap only	9084	9014A1	9014A3
Mounting hardware	—	9006-1	—



9013



11900

### Battery Maintenance Charger

Fully-automatic on-board charger provides a 1.5 amp maintenance charge. Designed to maintain 12 volt batteries. Water-resistant with safety features, such as short circuit connection and reverse polarity protection. LED status indicators.

Specifications	OEM Part #	Part #
1.5A, 12V, 1 bank operation	—	11900-4



11901

### Battery Charger

Dual rated 12V and 6V battery charger can be used for all of your marine, automotive, RV, and sport applications. The charger is compact and perfect for your bench, garage, or shop use. LED indicators let you know that your battery is fully charged. Overcharge, short circuit, and reverse polarity protection provide years of worry-free use.

Description	OEM Part #	Part #
12V/6V, 6A/2A Battery Charger	—	11901-4



14215

### Polarized/Wing Nut Battery Terminals

Lead terminals with wing nuts and cadmium-plated bolts. Clamps are stamped with negative (-) or positive (+) sign.

Description	OEM Part #	Part #
Negative and positive, set	—	14215-6

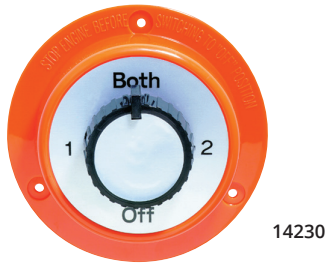


14258

### Battery Clips

Quick-connect battery clips for 12V electrical accessories. 10A rated, copper-plated construction with red and black handle grips. For use with wire up to 10-gauge.

Description	OEM Part #	Part #
Set	—	14258-6

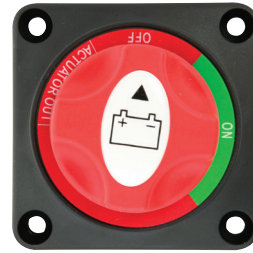


14230

### 4-Way Battery Selector Switch

Single-pole, triple-throw switch permits four connection modes: battery one, battery two, two batteries in parallel, or both off. Rated for 300A continuous at 6V DC and 150A continuous at 12V DC. For 6V to 32V DC systems. Includes alternator field circuit disconnect to prevent surges. Selector has positive click positions. Bakelite housing with copper washers, brass terminals, and brass nuts. Install with #10 screws.

Description	OEM Part #	Part #
5-1/2" dia. x 2-3/4" deep	—	14230-3



14233

### Battery Switch

Compact and heavy-duty battery switch with removable control knob to deter theft. 12-50V DC / 200A continuous / 300A intermittent / on-off-separate.

For use with one battery.

- Ergonomic grips
- Removable walls for easy installation and access

Description	OEM Part #	Part #
12-50V DC, on/off	—	14233-7



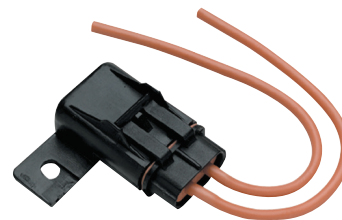
14234

### Dual Battery Selector Switch

Compact and heavy-duty battery switch with removable control knob to deter theft. 12V DC—Off/1/1+2/2 12V DC / 220A continuous / 400A 5 min intermittent / off. For use with up to two batteries.

- Ergonomic grips
- Removable walls for easy installation and access

Description	OEM Part #	Part #
12V DC, off/1/1+2/2	—	14234-7

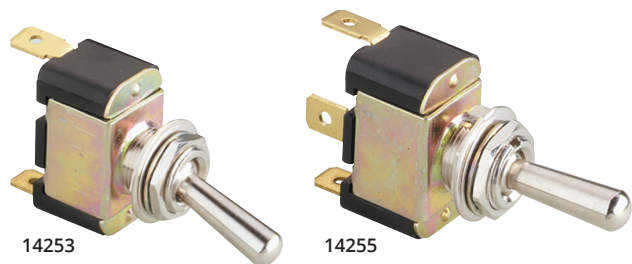


14348

### ATO/ATC Fuse Holder

Watertight, extra heavy-duty, and weatherproof. For use with fuses up to 30A. 12-gauge wire leads for easy hook-ups. Fuse not included.

Description	Wire Size	OEM Part #	Part #
30A	12-gauge	—	14348-6



### Toggle Switches

These metal toggle switches have 1/4 inch spade terminals. Rated for 10A, 12V DC only. Plastic body and housing with metal toggle and ring. Not external ignition protected.

**On/Off Switches:** Single-pole, single-throw contact. For lights, bilge pumps, or blowers.

**On/Off/On Switches:** For bilge pump, speed selector, or light that requires two power settings. Single-pole, double-throw contacts.

Installation Hole Size	Overall Dimensions	Depth Behind Panel	Max. Panel Thickness
3/8"-dia.	1-1/8" L x 5/8" W"	1-3/8"	1/4"

Description	OEM Part #	Part #
On/Off switch	—	14253-3
On/Off/On switch	—	14255-3



### Push/Pull Switches

These switches have large easy-to-pull handles. They are commonly used for operating lights. 3/4 inch-diameter chrome-plated knob with brass case. Includes screw terminals for connection without a wire lug. For 12V DC only. Not external ignition protected.

**Two-position Switch, Off/On:** For operating one set of lights or another accessory.

**Three-position Switch, Off/On/On:** For operating running lights and anchor lights separately.

Installation Hole Size	Overall Dimensions	Depth Behind Panel	Max. Panel Thickness
3/8"-dia.	3-1/8" L x 1-1/4" W	1-1/2"	1"
3/8"-dia.	3-1/4" L x 1-1/2" W	2"	1"

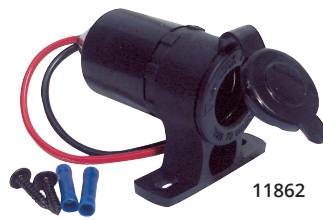
Description	OEM Part #	Part #
Two-position	7563-1	7563-6
Three-position	7594-1	7594-3



### Boat Kill Switch Key Set

- Includes seven keys to fit Johnson, Evinrude, Mercury, Yamaha, Suzuki, Tohatsu and Honda kill switches
- Swivel snap hook prevents tangles
- Rust resistant stainless steel crimps
- Corrosion proof

Description	OEM Part #	Part #
Kill switch keys and lanyard	—	7591-6



### 12V Marine Outlet

Marine quality 12V outlet is designed for replacing or adding outlets in your boat, RV or camper.

Description	OEM Part #	Part #
Surface Mount, 12V, Outlet	—	11862-6

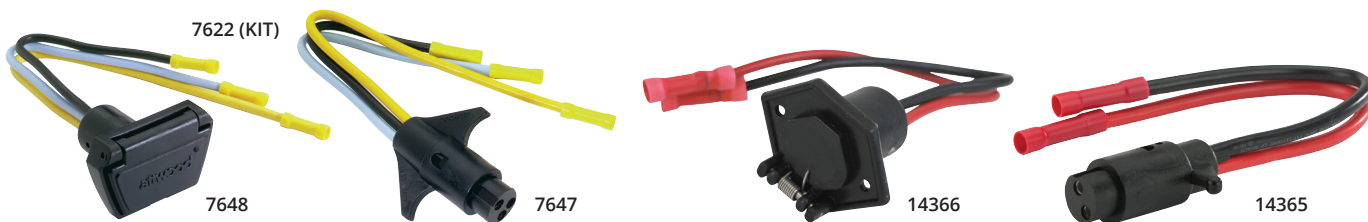
### Battery Adapter

Brass and plastic accessory plug for use directly with the battery. 150 watts. Comes with 3 ft. of wire, 12A, 12V.

Description	OEM Part #	Part #
Battery Adapter, 12 volt	—	11861-6



14258



### Heavy-Duty Trolling Motor Connectors

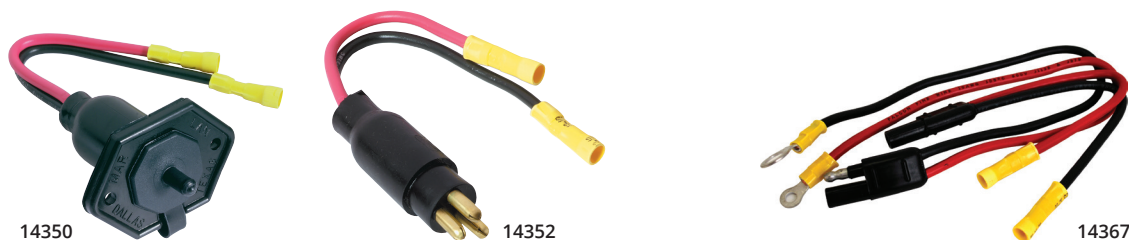
Use these connectors for quick, convenient connections between an electric trolling motor and a power source. 6 inch long wire harnesses with butt connectors.

**Female Receptacle** has weather cover and small face plate for flat surface mount. Two holes for #8 fasteners.

**Male Plug** has wing-tabs for easy installation and removal.

Plate Dimensions	Depth Behind Panel	Installation Hole Size
2-9/16" W x 1-3/4" H	2-1/4"	1-1/8"-dia.

Description	Wire Size	Volts	OEM Part #	Part #
Female receptacle, boat side	3-Wire 10-gauge	12/24V	—	7648-7
	2-Wire 8-gauge	12V	—	14366-6
Male plug, motor side	3-Wire 10-gauge	12/24V	—	7647-7
	2-Wire 8-gauge	12V	—	14365-6
Male/Female Kit	3-Wire 10-gauge	12/24V	—	7622-7



### Medium-Duty Trolling Motor Connectors

Use these molded rubber connectors for quick easy connections between an electric trolling motor and the power source. 5 inch long harness with butt connectors. Receptacle (14350) includes weather cover and small face plate for flat surface mount. 10-gauge wire. For 12V DC only. Two holes for #8 fasteners.

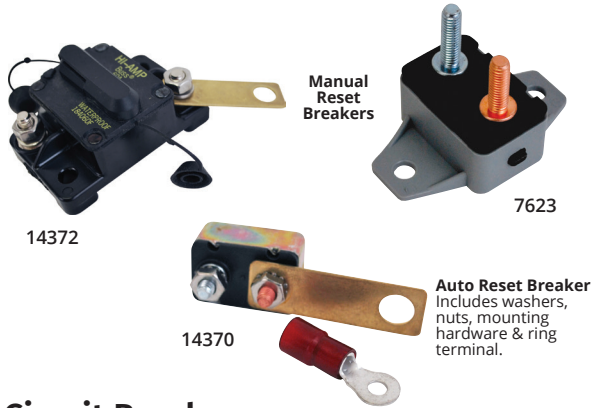
Plate Dimensions	Depth Behind Panel	Installation Hole Size
2-1/2" W x 1-3/4" H	2-3/4"	1-1/8"-dia.

Description	Wire Size	OEM Part #	Part #
Female receptacle, boat side	10-gauge	—	14350-3
Male plug, motor side	10-gauge	—	14352-3

### Trolling Motor Quick Connect

Safe and easy quick disconnect system. For use where a plug and socket cannot be used. Heavy-duty, 10-gauge connector, 22 inches long. Replaces battery clips.

Description	Wire Size	OEM Part #	Part #
2-Connector Kit	10-gauge	—	14367-6



### Circuit Breakers

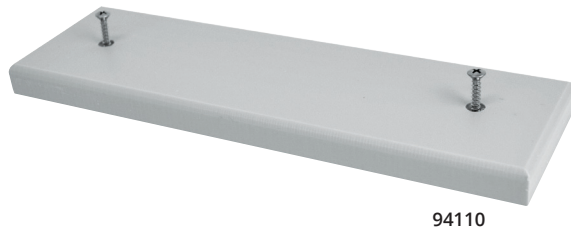
A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit such as your trolling motor, or anything else electrical in your boat, from damage caused by overload or a short circuit.

Description	OEM Part #	Part #
60A Manual Reset with Ring Terminals	—	14372-7
50A Manual Reset	—	7623-7
Auto Reset with Ring Terminals	—	14371-6
40A Auto Reset with Ring Terminals	—	14370-6

### Copper Wire

Stranded copper core is flexible for easy installation and allows the most current for quick starting. PVC insulation in the wire is resistant to cracking, abrasion, weather, oil, and acids.

Description	OEM Part #	Part #
8-ga. Red/Black, 20', set	—	14361-5



### Transducer Mounting Plate

- Mounts easily with only two screws
- Easy to adjust, add, or replace transducers.
- Marine-grade polymer plate will not warp, corrode, or be affected by UV rays.

Description	OEM Part #	Part #
Transducer mounting plate and hardware	—	94110-5



### Quick-Release Trolling Motor Mate Mounting Plate

For use with MinnKota® wireless trolling motors: AutoPilot, Grip Glide, Powerdrive, Terrova, RipTide ST and RipTide SP models

- Unique design eliminates tarp damage
- Easy on / easy off mounting – removes in seconds
- Exclusive locking feature
- Marine grade powder coat finish

Description	Part #	OEM Part #
Motor mate mounting plate and hardware	94100-4	—

# Paddlesports & Accessories

## Canoe Paddles

### Aluminum Paddles

Heavy aluminum and rugged plastic construction. Ergonomic grip design. Poly-protective shaft grip.

### Wooden Paddles

Economical and lightweight. Palm grip. Varnish finish.

Description	OEM Part #	Part #
<b>Aluminum Paddles</b>		
4 ft. Length	11764-1	—
4 ft. Length (Camouflage Green Blade)	11759-1	—
5 ft. Length	11765-1	—
<b>Wooden Paddles</b>		
2-1/2 ft. Length	11760-1	—
4 ft. Length	11761-1	—
5 ft. Length	11762-1	—



## Stand-Up Paddle Board (SUP) Paddle

Paddle easily adjusts from 55 inches to 82 inches allowing families to share a SUP board. Constructed of heavy-gauge aluminum and engineered plastic components. Durable aluminum shaft with cupped 10° blade for increased efficiency and performance. Glass-filled ABS blade construction for long-term durability.

- Blade color – white
- Black, polypropylene grip
- Designed and engineered in the USA

Description	OEM Part #	Part #
SUP Paddle	—	11772-1

## Kayak Paddles

### Asymmetrical Paddles

Asymmetrical spoon blade paddles are designed to increase efficiency of stroke performance and reduce noise and blade flutter in the water. Made from heavy-duty aluminum and engineered plastic construction. Two-piece breakdown design with multiple angle positions that allow for customization for each paddler.

Description	OEM Part #	Part #
<b>Asymmetrical Kayak Paddles</b>		
7 ft. Length	11768-2	—
7-1/2 ft. Length	11766-1	—



### Vibrant Asymmetrical Paddles

Unique blade shape increases stroke efficiency and minimizes flutter in the water. The combination of performance and vibrant colors create an expressive kayaking experience. Paddle angles can be adjusted when attached together for a more customized stroke based on skill level for both left and right-hand users.

- Graphics and vibrant color on each blade
- Tested for performance and durability
- Stay dry with pre-attached drip rings

Description	Color	OEM Part #	Part #
7 ft. Length	Orange-Red & White-Gray	—	11756-2
Adjustable, 7 ft.-7-1/2 ft.	Black	—	11758-2



11756



11758



11826-1

### Telescoping Paddle

- Compact for easy storage
- Telescopes to 42" (1.06m) or 54" (1.37m)
- High impact plastic blade with corrosion-resistant aluminum pole

Description	OEM Part #	Part #
Telescoping - 3.5'	—	11828-1
Telescoping - 4.5'	—	11826-1

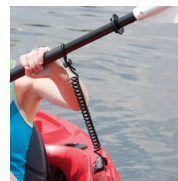


11780

### Paddle Clips

Secures paddles for freeing up both hands or resting from paddling. Fits 1 inch diameter shafts.

Description	OEM Part #	Part #
1" diameter	—	11780-6



11909

### Paddle Lanyards

Use the Standard Lanyard's sturdy clip or the Premium's velcro strap to secure your paddle and prevent dropping it overboard. Coiled bungee cord allows for advanced paddling with easy stowage.

Description	OEM Part #	Part #
Standard	—	11909-7



11944

### Kayak Handle Replacement Set

Tough but comfortable, designed kayak carry handles for replacement on most kayak types and brands. The contoured grip makes carrying your kayak easier and more comfortable. Easy installation. Durable, black plastic and strong, braided rope.

Description	OEM Part #	Part #
Package of two	—	11944-7



9146

### Oarlock Shanks

Made from heavy-gauge steel with a bright zinc finish. Adjustable and very easy to install; no holes to drill, clamp-on easily. One pair.

Description	OEM Part #	Part #
1/2" Shank, Pair	—	9146-6



9149

### Oarlock Sockets

These heavy-duty sockets are made of heavy gauge steel designed to provide years of rugged use. The unique angle design allows for secure attachment to the boat that can outlast most original equipment sockets. One pair.

Description	OEM Part #	Part #
1/2" Socket, Pair	—	9149-6



11808

### Rescue Line Throw Bag

50 ft. of 3/8 inch floating polypropylene line for water rescues. High visibility red bag with wide, yellow reflective strip for improved visibility in low light conditions.

Description	OEM Part #	Part #
50 ft.	—	11808-2



11595

11596

### Hand-Operated Bilge Pumps

Safely remove unwanted water, and other liquids from kayaks and other small boats.

Description	OEM Part #	Part #
Kayak Hand Bilge Pump, 18"	—	11595-2
Hand Bilge Pump, 25", 32" Hose	—	11596-2



11776

### Kayak Skirt

Keep water out of the kayak with this universal-fit spray skirt made with polyurethane-coated 210 Denier nylon. Dual-side adjustability and PVC-sealed seams. Mesh bag included.

- Universal (up to 40" long and 22" wide opening)

Description	OEM Part #	Part #
Kayak Skirt	—	11776-5



11775

### Kayak Cockpit Cover

Universal-fit cover made with 210 Denier nylon. Has a 3/16 inch shock cord border and black, polypropylene clips.

- Universal (up to 40" long and 22" wide opening)

Description	OEM Part #	Part #
Kayak Cockpit Cover	—	11775-5



11778

### Sit-On-Top Kayak Seat

Attwood's adjustable kayak seat provides a padded seat cushion and ample back support. Universal sizing for all sit-on-top kayaks. Four adjustable straps for a custom fit. Quick-drying, UV-resistant fabric with corrosion-resistant hardware. Durable nylon covering with additional storage bag on back of seat.

Description	OEM Part #	Part #
Foldable, clip-on kayak seat - Black	—	11778-2



12794

### Deck Plates

Allow addition of storage options to your canoe, kayak, or small boat. Screw out design. High-impact ABS plastic is durable, rugged, and weather-resistant.

Description	Color	Fastener Quantity	OEM Part #	Part #
4"-dia.	White	#8 fasteners (6)	12790-1	12790-3
	Black	#8 fasteners (6)	12791-1	—
6"-dia.	White	#8 fasteners (6)	12792-1	—
8"-dia.	White	#8 fasteners (6)	12794-1	—

## Paddlesports Hardware

### Pad Eyes

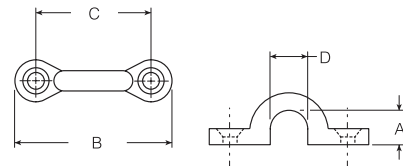
All pad eyes are pre-drilled with two mounting holes.

- (2) #10 fasteners included

Description	A (Dia)	B (Long)	C	D	OEM Part #	Part #
Cast Stainless Steel	3/8"	1-7/8"	1-3/8"	1/2"	66105-1	—
Chromed bronze	5/16"	1-7/8"	1-3/8"	1/2"	12988-1	—



12988-1



11783

### Nylon Cleats

Ideal for tying off an anchor or for temporary docking. Includes (2) strong 4 inch lightweight cleats. Pre-drilled for #12 screws.

Description	OEM Part #	Part #
Nylon Cleats, set	—	11783-7



11950

11926

### Zig-Zag Cleats

Makes a great primary cleat on kayaks, canoes, fishing boats and pontoons. Also good as a utility cleat on docks, piers, trailers, and more. 4 inch model handles rope up to 1/2 inch diameter. 3 inch and 3-1/2 inch models handle rope up to 3/8 inch diameter. One pair.

Description	OEM Part #	Part #
Zinc Plated, Pair	3"	11950-6
	4"	11951-6
Black Nylon, Pair	3-1/2"	11926-7

## Paddlesports Transportation & Storage



### Canoe Car-Top Carrier Kit

Simple, convenient kits for carrying canoes and small boats on car roof. Includes four supporting foam blocks that snap on boat's gunwale and help prevent scratches on car top. Two straps with adjusting buckles and clips. Includes 20 ft. of polypropylene rope and S-hooks to secure bow and stern to bumpers. Straps are sturdy poly web with vinyl-coated clips.

Description	OEM Part #	Part #
Car-Top Universal Canoe Carrier Kit	—	11437-7



### Kayak Car-Top Carrier Kit

Simple, convenient kits for carrying kayaks on car roof. Includes two supporting foam blocks to support kayak and help prevent scratches on car top. Two straps with adjusting buckles and clips. Straps are sturdy poly web with vinyl-coated clips.

Description	OEM Part #	Part #
Car-Top Kayak Carrier Kit	—	11438-7

### Kayak Roof Rack – J Style

Easy to install kayak carrier mounts securely and safely to most standard and aftermarket roof rack cross bars. J-style design allows for easy loading and unloading of kayaks. Durable powder-coated steel construction holds up to 120 lbs. Foam rubber protection pads and detailed instructions included.

Description	OEM Part #	Part #
Kayak Roof Rack Carrier Kit	—	11441-4



11930

### Kayak/Canoe Cart

Haul your kayak easier than ever with Attwood's new Kayak/Canoe Cart, now with premium wheels! Enhanced large diameter wheels cannot deflate, simplifying transport over uneven terrain. Cart easily disassembles to fit into most kayak hitches. Holds up to 100 lb. loads.

Description	OEM Part #	Part #
Kayak & Canoe Cart	—	11930-4



11953

### Kayak Hoist System

Complete hoist system for kayaks, canoes, bikes, ladders, and more. Hooks and locking mechanisms safely hold up to 120 lbs. Easy lifting pulley system and 2 inch wide webbing hang straps. Includes all mounting hardware.

Description	OEM Part #	Part #
Kayak Hoist System	—	11953-4

## Trailer Parts & Accessories



14060

### Submersible Trailer Light Kit

Complete kit includes a pair of 8-function stop/tail/turn lights, wiring harness, and license plate bracket. Applicable to trailers under 80 inches wide. Ideal for utility, snowmobile, camping, motorcycle, and boat trailers. Design conforms to applicable US FMVSS and Canadian CMVSS safety standards.

Description	OEM Part #	Part #
Submersible Kit	—	14060-7

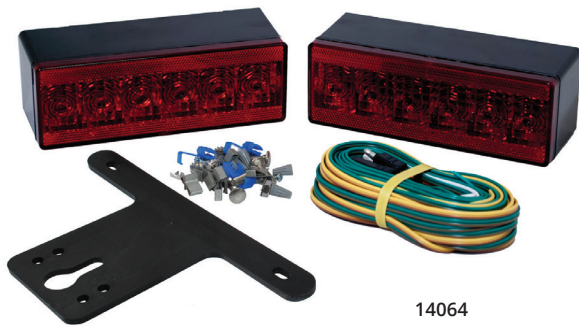


14063

### Low-Profile Submersible Trailer Light Kit

Low profile for trailers over 80 inches wide. The complete kit includes (2) multi-function lamps, wiring harness, license plate bracket, and mounting hardware. Ideal replacement lights for most boat trailers. Conforms to applicable U.S. FMVSS and Canadian CMVSS safety standards.

Description	OEM Part #	Part #
Low-Profile Submersible Trailer Light Kit	—	14063-7



14064

### LED Low-Profile Trailer Light Kit

Complete kit includes (2) multi-functional (stop/tail/turn) submersible low-profile LED trailer lights, license plate bracket, wiring harness, and installation hardware. Ideal replacement or upgrade for most trailers. Conforms to applicable U.S. FMVSS and Canadian CFMVSS standards.

Description	OEM Part #	Part #
Low-profile LED Light Kit	—	14064-7

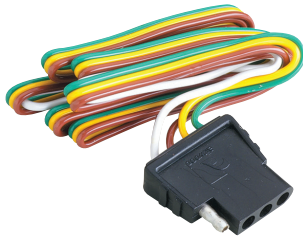


14065

### Submersible LED Trailer Light Kit

Complete kit includes (2) multi-functional (stop/tail/turn) submersible LED trailer lights, license plate bracket, wiring harness, and installation hardware. For use with trailers under 80 inches wide. Conforms to applicable U.S. FMVSS and Canadian CFMVSS standards.

Description	OEM Part #	Part #
Submersible LED Light Kit	—	14065-7



14017

### Trailer Wiring Harness/Connectors

The most popular 4-way flat wiring harness kit for vehicles and trailers. Copper-stranded, color-coded wire and plastic molded terminals with four-prong trailer plug or vehicle socket. Both ends have 18 inch plug wire and 48 inch socket wire.

Description	OEM Part #	Part #
18" plug and 48" socket	—	7663-5



7621

### Complete Trailer Wiring Kit

Kit Includes: (1) Receptacle and harness, 4 ft. (1.2 m), (1) plug and harness, 25 ft. (7.6 m), (4) blue quick connectors and (8) trailer wire attachment clips.

Description	OEM Part #	Part #
Complete Wiring Kit	—	7621-7

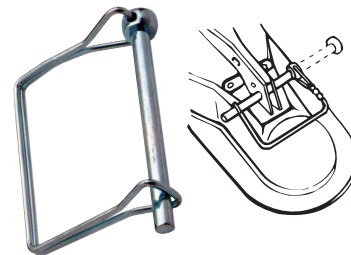


14133

### Trailer Light Circuit Testers

The light indicators on this inline circuit tester show which circuit (tail lights, ground, left-or-right signal) is having problems.

Description	OEM Part #	Part #
Circuit Tester, Inline	—	14133-6



11029

### Coupler Locking Pin

Quick connect and disconnect, to keep coupler from accidentally disengaging. Fits 2 inch and 3 inch couplers. Pin fits through coupler release handle to provide security and safety.

Description	OEM Part #	Part #
Solid zinc-plated steel, 2-1/4" W x 1-5/8" L	—	11029-6



12044

### Coupler Security Lock

For maintenance-free trailer security. While this lock is in place, coupler cannot be used. Solid brass with rust-proof stainless steel shackle pin. Includes two keys.

Description	Shank Length	Dia	OEM Part #	Part #
Coupler Security Lock	5/8"	1/4"	—	12044-6



11011

### Trailer Safety Chain with Spring Clips

Connects the trailer tongue to the trailer hitch on the towing vehicle for security and safety. Meets SAE specifications. Welded, solid steel with bright zinc-plated finish and hooks at both ends. Two chains required per trailer.

Description	Specifications	OEM Part #	Part #
Class II	51" L x 1/4" dia.	—	11011-7



11127

11126

### Fold-Up Trailer Jacks

Fits 3 inch x 5 inch tongue. Swings up and out of the way. Corrosion-resistant, zinc-plated steel tubing. Swing-up jack has a convenient sidewind handle and a tough 6 inch diameter polypropylene wheel.

Description	Travel Lift	Lift	OEM Part #	Part #
1000 lbs. capacity, single wheel	10"	24"	—	11127-4
1500 lbs. capacity, dual wheel	12"	26"	—	11126-4



11130

### Trailer Tongue Lift Handle

Convenient handle for maneuvering trailer tongue. Mounts easily to most trailer couplers.

Description	OEM Part #	Part #
Lift Handle	—	11130-7



6260

### Non-Skid Pads

Precision 6 inch x 12 inch die-cut pads are simple to install on trailers, boats, and docking for additional safety. Rugged anti-slip surface is 100-grade coarse grit. A proven adhesive ensures long-lasting performance.

Description	OEM Part #	Part #
Non-Skid Pads, pair	—	6260-4



11401

### Pontoon Storage Blocks

Great for fall and winter pontoon storage. Stable design keeps pontoon hull dry and off the ground. High-density, engineered composite protects pontoon surface. Conveniently stack together when not in use. Each block holds up to 4,000 lbs. capacity. Lightweight and easy to use. Will not absorb moisture.

Description	OEM Part #	Part #
Pontoon Storage Blocks Set of 4	—	11401-4

## Trailer Winches

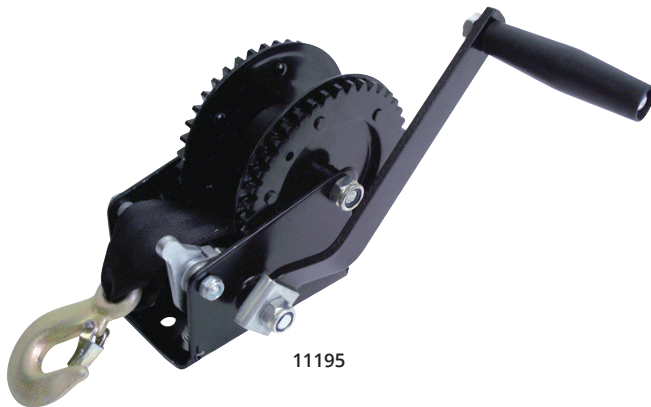
Many Factors Affect The Capacity Of A Winch In Pulling A Boat. As A Rule Of Thumb, Winches May Be Used To Trailer Boats Up To Two Times The Winch Capacity. For Example, A 1200-Lb. Capacity Winch May Be Used To Load Boats Up To 2,400-Lbs.

**Caution: Attwood Winches Are Not Intended For Use As Hoists; For Lifting, Supporting, Or Transporting People; Nor For Lifting Loads Over People.**



### Dual Drive Winch—2,000 pound

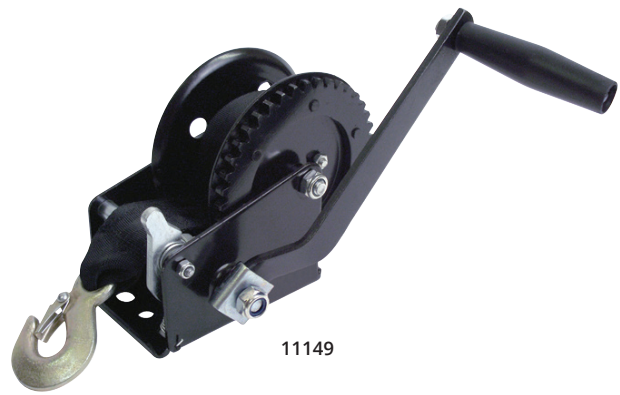
Dual drive enhances the pulling capacity by distributing the load equally to two sets of gears. Eliminates frame torque. 2,000-lb. load capacity with 4.1:1 gear ratio. Three-position pawl provides forward, neutral, and reverse operations. Black EDC finish. Molded, textured roller grip. Includes 2 in x 20 ft. nylon web strap with zinc-plated snap hook.



11195

### Single Drive Winch—1,200 pound

Solid gear construction with precise gear tooth engagement. 1,200-lb. load capacity with 4.1:1 gear ratio. Three position pawl provides forward, neutral, and reverse operations. Black EDC finish. Molded, textured roller grip. Includes 20 ft. nylon web strap with zinc-plated snap hook.



11149

Description	Type	Gear Ratio	OEM Part #	Part #
2000 lb. with 2" W x 20' L nylon strap	Dual	4.1:1	—	11195-4
1200 lb. with 2" W x 20' L nylon strap	Single	4.1:1	—	11149-4



## Trailer Winch Straps

Winch straps, cables, and ropes are available to fit most winches, loads, and applications. A complete selection of winch products to meet every customer need and a variety of price points.

Selecting a winch strap, rope, or cable: NMMA, SAE, and BIA Standards require the minimum breaking strength of winch cable, rope, strap, and hook be at least 1.5 times the rated straightline pull of the winch. For example, if a winch rope has a breaking strength of 1,500 lbs., it can only be used on winches rated up to 1,000 lbs. All Attwood winch cables, ropes, and straps are rated for the winch on which they can be installed. Winch ropes, strap, and cable should have a minimum of four (4) complete wraps around the winch drum in the most extended position for launching or retrieving the boat.

You can depend on Attwood winch straps. They're easy to install and prevent tangling on winch drum. Built to be strong and durable. UV-resistant webbing with a special, heavy-duty, forged steel, snap hook. The extra-long throat is designed for easier attachment to bow eyes on boats. Two strap-end styles are available for easy, secure attachment to the winch drum. Rated for winches up to 2,000 lbs.

**Webbing:** Polyester webbing is one of the finest web strap materials available. Polyester does not stretch and offers excellent resistance to ultraviolet degradation from sunlight.

**Strap-End Styles:** Two styles available (1) Cut-End, and (2) Sewn-Loop End.

**Hook:** Heavy-duty, forged, zinc-plated steel snap hook. Spring-loaded closure for secure attachment. Extra-long throat for easy attachment.



11147-7

Description	Length	OEM Part #	Part #
Sewn-loop end	20 ft.	—	11147-7

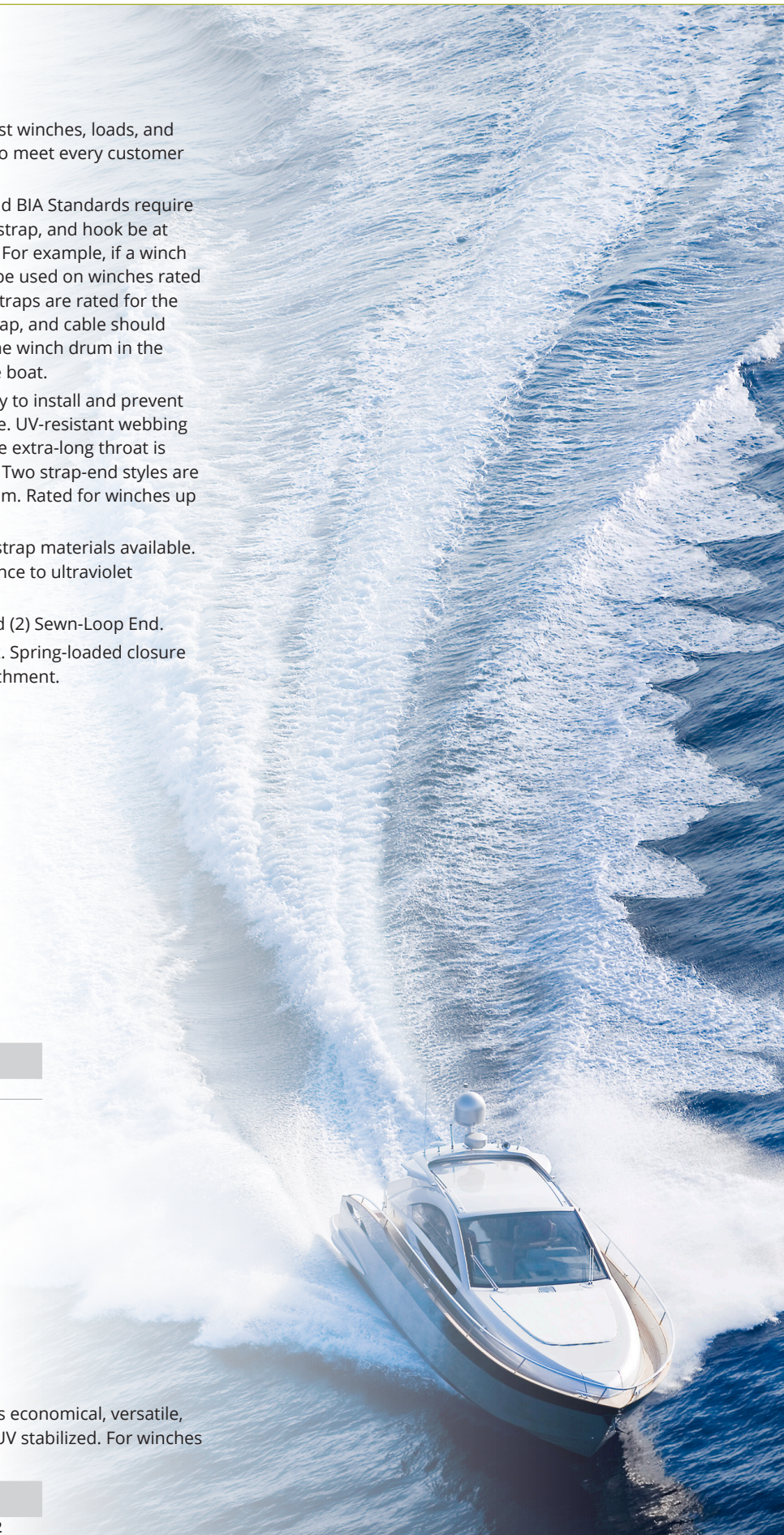


11739

## Poly Winch Ropes

Twisted polypropylene 3/8 inch diameter winch rope is economical, versatile, and easily spliced. Resistant to rot and mildew and is UV stabilized. For winches rated up to 1,200 lbs., not intended for other uses

Description	Color	OEM Part #	Part #
3/8" x 20' Long	Black	—	11739-2



## Bow Stops & Rollers

Road-ready bow stops, rollers, and roller brackets provide protective support for your boat's hull while it's on the trailer, and allow easier launching, centering, and retrieval of the boat. This assortment includes rollers, bow stops, and steel roller brackets. Rollers and bow stops are available in polymer or rubber.

Rubber Rollers	Polymer Rollers
Non-marring prime rubber compound	Will not mark or discolor your boat
Economically priced	Resist cuts and abrasions
Original equipment replacements for most trailers	Have superior durability to outlast ordinary rollers



### Bow Rollers, Polymer

Non-marring, resilient bow protection. Smooth finish helps boat roll easily into place. Impervious to sunlight, chemicals, and fuels.

Description	Dimensions	Hole I.D.	OEM Part #	Part #
Bow Roller	3" O.D. x 3" L	1/2"	11881-1	—
Bow Roller	4" O.D. x 4" L	1/2"	11880-1	—
Bow Roller w/ Bells	3-1/2" O.D. x 4" L	1/2"	11857-1	—



### Spool/Keel Rollers, Polymer

Smooth, non-marring, resilient protection. Impervious to sunlight, chemicals & fuels. Fits 1/2 inch diameter shafts.

Dimensions	Outside Diameter	OEM Part #	Part #
Spool/Keel Roller	4"	11315-1	—
	5"	11317-1	—
Keel Roller	8"	11319-1	—



### Bow Stops, Rubber

Molded rubber stops. Each is pre-drilled with 3/8 inch or 1/2 inch diameter hole.

Dimensions	Hole I.D.	OEM Part #	Part #
2" x 2"	3/8"	11200-1	—
3" x 3"	1/2"	11201-1	—
4" x 4"	1/2"	11202-1	—



### Bow Rollers, Rubber

Durable protective molded rubber bow rollers.

Description	Outside Diameter	Shaft Diameter	OEM Part #	Part #
3" length	3"	1/2"	11205-1	—
4" length	3-1/2"	1/2"	11209-1	—



### Spool/Keel Rollers, Light-Duty Rubber

Durable and protective. Molded rubber with nylon inserts. 3 inch outside diameter.

Dimensions	Shaft Diameter	OEM Part #	Part #
4" length	5/8"	11210-1	—
5-1/4" length	5/8"	11211-1	—

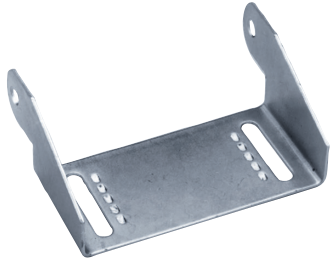


11215

### Keel Rollers, Heavy-Duty Rubber

These durable, protective rollers are for heavy-duty use. Molded rubber over a steel tube with nylon end inserts. The gradual inward taper and "V" cut eases loading and launching of heavier boats. Plastic inserts are included to protect from mounting hardware damage.

Dimensions	Shaft Diameter	OEM Part #	Part #
8" length	5/8"	11215-1	—
10" length	5/8"	11216-1	—
12" length	5/8"	11217-1	—



11252

### Roller Panel Brackets

Cross-member panel brackets are available for a variety of roller sizes. Long mounting slot allows adjustment. Brackets are pre-drilled with 5/8 inch-diameter holes for roller mount. Zinc-plated or galvanized steel.

Width Between Holes	Slots Size	Width Between Slots	OEM Part #	Part #
4-1/4"	2-1/2"	2-3/8"	11252-1	—
8-1/4"	3"	5-1/2"	11254-1	—



11220

### Roller Panel Spool/Keel Bracket Roller Assemblies

Complete spool/keel bracket and roller assembly. Mounts to trailer cross roller assemblies. Formed, zinc-plated steel panel bracket with 1/2 inch-wide slot for adjustment.

Description	Included Parts	OEM Part #	Part #
Spool/keel	11210 roller and 11252 bracket	—	11220-3



11230

### Adjusting Rollers, Rubber

For use with automatic adjusting roller systems. Molded rubber. Smooth surface has steel insert; ribbed surface has nylon insert.

- 4-1/4" L x 4-3/8" dia.

Description	Shaft Diameter	OEM Part #	Part #
Smooth	3/4"	11230-1	—



11363

### Bunk Brackets

For mounting bunks. Slotted for vertical adjustments. Mounts with 1/2 inch (1.27 cm) bolt. 11-gauge galvanized steel.

Length	Width	OEM #	Part #
8"	2"	11363-1	—
10"	2"	11364-1	—



11360

### Swivel Bolster Brackets

Heavy 11-gauge galvanized steel that is slotted for vertical adjustment. Non slip dimples for secure hold. 3.5 inch wide angle bracket pivots for angled or flat mounting of 2 inch x 6 inch bunk or bolster boards. Complete with nut and bolt for angle bracket. Mounts with 1/2 inch bolt.

Size	Assembled	OEM #	Part #
8"	9"	11360-1	—
10"	11"	11361-1	—
12"	13"	11362-1	—



11370

### Keel Mounting Bracket

One piece roller bracket with 5 inch slot for vertical adjustment. Mounts with 1/2 inch bolt and is designed to be used with a 5/8 inch roller shaft.

Size	Slot Center	OEM Part #	Part #
5"	2-3/4"	11370-1	—
10"	8-3/16"	11371-1	—
12"	10-1/8"	11372-1	—



11282

### Roller Shaft Sets

Roller shafts and matching pal nuts secure shaft in place on roller. Shaft and nuts are solid zinc-plated steel.

Description	Length	Roller Size	OEM Part #	Part #
5/8" dia.	6-3/8"	5-1/4"	—	11282-3
	9-1/4"	8"	—	11283-3
	11-1/4"	10"	—	11284-3
	13-1/2"	12"	—	11285-3



11368

### Pal Nuts

5/8 inch zinc plated pal nuts to be used with 5/8 inch roller shafts.

Description	OEM Part #	Part #
Set of 8	—	11368-3



11246

### Trailer Bunk Padding

12 ft. long roll of durable, weather-resistant polypropylene marine carpet material. Easy to cut and custom fit. Protects hull; eases loading and launching. Charcoal color; acrylic backing grips surface of trailer bunk boards or cradle. No excessive fuzz, static-free. Made for minimal water retention.

Description	OEM Part #	Part #
8" wide	—	11246-1
12" wide	—	11247-1



11090

Padlock not included

### U-Bolt Style Tire Carrier

Square-bend U-bolt with bracket mounts tire on tongue or trailer frame. The frame must be between 2 inch x 2 inch square to 3-1/2 inch x 4 inch rectangular in size. Fits 4- or 5-lug hole rims. Extra-long 8-1/2 inch shaft fits 8 inch to 15 inch tires.

Description	OEM Part #	Part #
Zinc-plated steel	—	11090-3

## Transom Savers

### We've got you covered

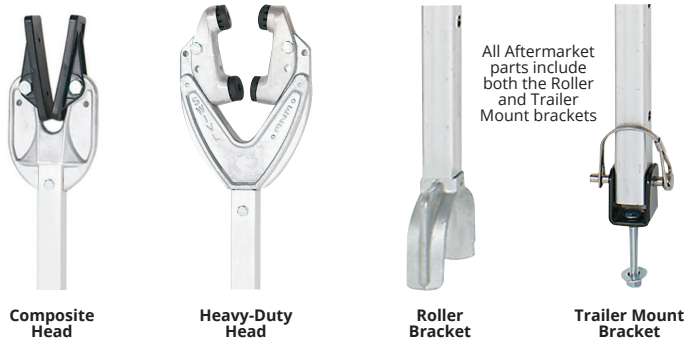
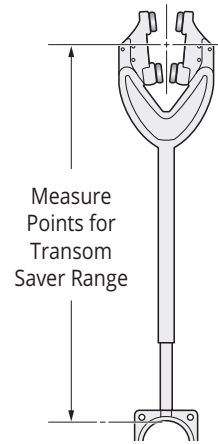
A lifted outboard puts hundreds of foot-pounds of pressure on the transom, especially during trailering.

### Protect your boat and engine

- Support the cantilevered weight of the motor
- Stabilize engine and steering mechanism when trailering

### The Attwood Difference

- Tough components — You'll get long life from our adjustable toggles with replaceable rubber pads
- Innovation — Our shock absorbing spring-loaded transom saver, is designed to reduce damaging effects of road shock. Works great for motors with hydraulic trim/tilt



All Aftermarket parts include both the Roller and Trailer Mount brackets

Description	Head Type	Mounting Bracket	OEM Part #	Part #
<b>Adjustable Transom Savers</b>				
23"-35"	Composite	Roller	400-R	—
		Trailer Mount	400-B	—
		Roller/Trailer Mount	—	SP-400-RB
<b>Heavy Duty Transom Savers</b>				
24"-36"	Heavy Duty	Roller	4000-ADJ	—
		Trailer Mount	4000-ADJ-B	—
		Roller/Trailer Mount	—	SP-4000-ADJ-RB
32"-44"	Heavy Duty	Roller	424-ADJ	—
		Roller/Trailer Mount	—	SP-424-ADJ-RB
44"-56"	Heavy Duty	Roller	436-ADJ	—
		Roller/Trailer Mount	—	SP-436-ADJ-RB
<b>Shock Absorbing Transom Savers</b>				
27"-36"	Heavy Duty	Roller/Trailer Mount	—	SP-421-RB
31"-40"	Heavy Duty	Roller/Trailer Mount	—	SP-429-RB
<b>Replacement Parts</b>				
Bolt on Bracket for Attwood Transom Savers			—	SP-402
Replacement Rubber Shocks for Heavy-Duty Head			—	SP-410
Replacement Toggle for Heavy-Duty Head			—	SP-416



## Adjustable Transom Saver

Innovative design fits most trailers. Unique angle adjustment (patent pending) from 0 inch to 36 inch with 12 inch increments. Heavy-duty rubber pads and steel construction. Corrosion-resistant, black finish.

Description	Head Type	Mounting Bracket	OEM Part #	Part #
36"-60"	Heavy Duty	Trailer Mount	460-ADJ	—



## Lock N' Stow

- Locks outboard motor in forward position while trailering, greatly reducing the damaging effects of road shock
- Doesn't tie engine's lower-unit to trailer, eliminating excessive pressure on hydraulic seals and scuff marks
- Small compact mount can be easily stored in just about any boat compartment
- Constructed of black powder-coated steel with stainless steel pins

Fits:	OEM Part #	Part #
OMC, Bombardier 1989 to present, 100HP and up	—	10309
Mercury engines 200 OptiMax, 255 OptiMax, 225HP EFI, 250HP EFI	—	10107
Mercury engines 135 OptiMax, 150 OptiMax 175 OptiMax, 75HP-200HP EFI	—	10108



## Tie-Down Straps

### Quick-Release Transom Tie-Down Straps

When properly secured to transom eyes and trailer, transom straps reduce vertical and lateral movement to safely secure the boat to the trailer. They also reduce bouncing of the boat on the trailer pads or rollers. Available in 2 inch width for larger trailerable boats and 1 inch width for lighter boats.

**Webbing:** Strong webbing. Resists rot, oils, gasoline, and most chemicals.

**Buckle:** Quick-Release (Over-Center) buckle. Strong and secure, yet easy to use. Quicktightening. Cinch tight and secure by depressing buckle handle. Release by lifting the buckle handle.

**Hook:** Vinyl-Coated S-Hook to prevent scratching boat or trailer finish. Corrosion-resistant. Heavy-gauge.

**Special Features:** Protective pad behind buckle to prevent marring and scratches on gel coat and painted surfaces. Hook-N-Loop closure secures the buckle handle in the locked position.

Description	Width	Length	OEM Part #	Part #
One pair	2"	4 ft.	—	15232-7



Quick-Release Buckle with Hook-N-Loop Closure



15232-7

### Quick-Release Gunwale Straps

Gunwale straps secure the entire aft section of the boat over the gunwale to the trailer and restrict vertical movement while on the road.

**Webbing:** Strong webbing. Resists rot, oils, gasoline, and most chemicals.

**Buckle:** Quick-Release (Over-Center) buckle. Strong and secure, yet easy to use. Quick tightening. Cinch tight and secure by depressing buckle handle. Release by lifting the buckle handle.

**Hook:** J-Hook with snap-closure for secure, easy attachment. Electrostatic Discharge Coating (EDC) finish to prevent corrosion. Heavy gauge.

Description	Length	OEM Part #	Part #
2" Wide	13 ft.	—	15221-7



15221-7

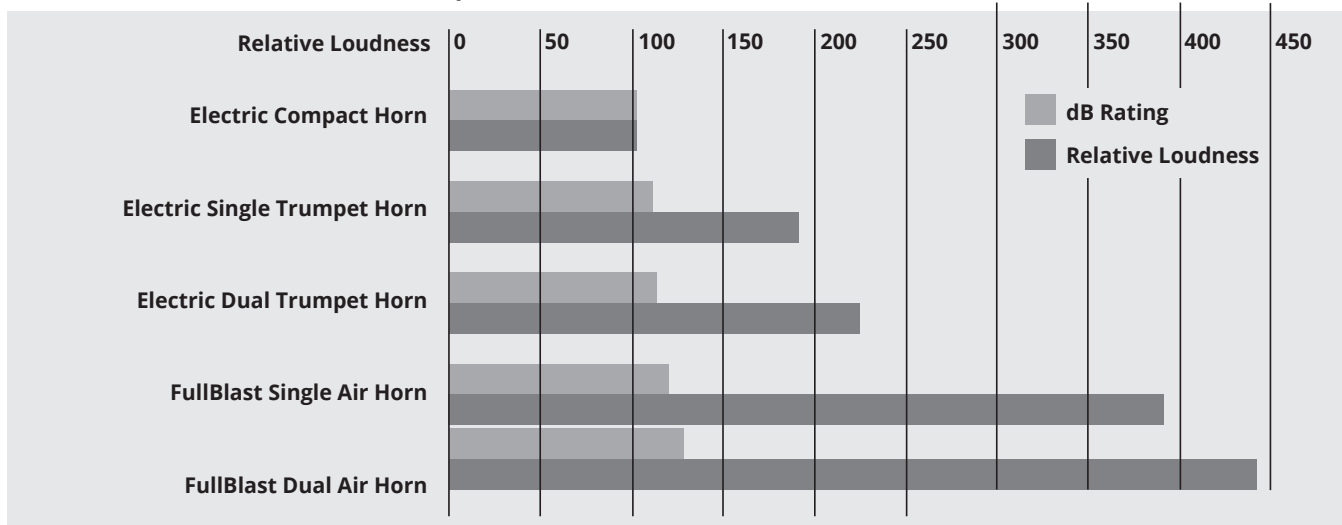
## Marinco® Horns

Marinco is the leading supplier of horns to the marine industry, with over fifty years of experience in designing and manufacturing sound devices specifically for use in harsh marine environments. Stainless steel is used for all critical components such as trumpets, motor cover, diaphragms, and assembly and mounting hardware. In the case of the XLP trumpet horns, the horn is given extra protection through the complete over-molding of the internal motor cover housing. It is this extra process that provides the added protection needed to back up the five-year warranty.

Marinco offers a complete line of marine horn products designed to meet almost any need, including electric and air trumpet horns, compact horns, electric and air below deck horns, and a comprehensive line of drop-in horns with a wide assortment of grill options. After developing the first below deck horn for the marine industry in the late 1980's, the offering of that product line has continued to expand.

- Meets the ABYC Regulation #A23 for boats up to 12 meters
- Meets the U.S. Coast Guard's C.O.L.R.E.G.S. and U.S. Inland Navigation Rules, Annex III Regulations for boats up to 20 meters
- Listed in the NMMA's Certification Program Type Accepted
- Horns are set at a lower frequency to provide greater range as the sound travels across the water

### Marinco Horn Relative Loudness Comparison Chart



## TECH TIP

### EMI and Horns

In order to operate, an electric horn rapidly makes and breaks an electric circuit. This operation creates electromagnetic disturbance, which may cause electrical "noise" in communications equipment. Because a horn is only used temporarily, any interference in electronic equipment is stopped when the horn is turned off.

The International Marine Certification Institute (IMCI), which certifies boats to the European Community Regulations (CE), has determined that boats using electric horns can comply with CE requirements on electromagnetic compatibility provided the above message is given to the boat owners in their manual.

Marinco®, the inventor of the first below deck horns, offers a full line of below deck horn products. Concealed horns utilize an upright horn installation and a large grill opening to offer greater sound volume. Drop-in Hidden Horns use a fabric lined grill for water-resistant installations. The concealed trumpet horns are all air horns and provide the maximum amount of sound available in a below deck horn installation.

Marinco’s Drop-in Hidden Horns combine a number of desired features into one unit including:

- Simple, drop-in installation
- Stylish snap-on grill with water-resistant fabric
- Authentic marine sound
- Easy aftermarket retrofit

**Important: Please note the space requirement dimensions on some of the below deck models to ensure there is adequate room on the interior of the mounting area to house the horn assembly. Concealed horn models require a minimum 45° mounting angle to ensure proper drainage.**

### Low Profile Hidden Horn

#### With Black and White Grills

- New louder dB(A) rating: 111 at one meter
- Fundamental frequency: 360±20Hz
- 12V DC
- Easy installation: 2.75" diameter hole x 1" deep
- Maximum amp draw: 4A
- Comes with both white ASA and black ABS screw-in grills
- Grills have water resistant fabric liners
- Mounts from the outside, grill screws on for easy install
- Easy retrofit



#### Without Grill

- Same as 10080 without grill
- When purchasing bulk version, grill must be ordered separately



#### Stainless Steel Grill Cover

- Horizontal style grill design
- Installs over plastic horizontal style grills (11187, 11194, or 11188)
- Installation requires plastic grill
- Grill dimensions: 5.3125" W x 3.4375" H x .875" D
- Kit (includes: stainless steel grill cover and plastic screw-in grill (11187))



**TRANSITIONING 2024**

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Horn with Black and White Grills	10080	—	10080-7	—
Horn without grill	—	11080	—	11080-5
Stainless Steel Grill	—	11196	—	11196-5
Stainless Steel Grill Kit	—	11096	—	11096-5

**TRANSITIONING 2024**

For products with this callout: Jan 1st, 2024, Marinco items will be changing over to Attwood. Same product, but now Attwood branded.

## Drop-in Hidden Horns

### With Black and White Grills

- dB(A) rating: 107 at one meter
- Fundamental frequency: 370±20Hz
- 12V DC
- Internal space requirements: 2" H x 3.375" W x 3.25" D
- Maximum amp draw: 4A
- Comes with both black ABS and white ASA snap-in grills
- Distinctive marine horn sound
- Enclosed sound unit
- Easy installation or retrofit, mounts from the outside



### Enclosed without Grill

- Same as 10079 without grill
- When purchasing 11079, grill must be ordered separately



11079

### Without Grill

- dB(A) rating: 105 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Internal space requirements: 2.25" H x 3.625" W x 3.5" D
- Maximum amp draw: 3A
- Mounts from the outside, horn grill snaps on for easy installation
- Easy retrofit
- Grill must be ordered separately

(( Lower Frequency  
for a Deeper Sound ))



11095

### Grills for Drop-in Hidden Horns

- Water resistant fabric liner
- 4" from hole to hole
- Dimensions 5" x 2.625" x .5"



11079SC-B

**TRANSITIONING 2024**

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Horn with black and white grills	10079	—	10079-7	—
Horn without grill (enclosed)	—	11079	—	11079-1
Horn without grill	—	11095	—	11095-5
Screw-In black ABS grill	—	11079SC-B	—	11079SC-B-5

**TRANSITIONING 2024**

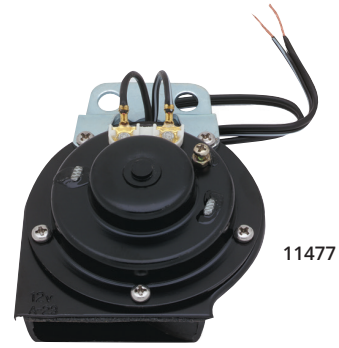
For products with this callout: Jan 1st, 2024, Marinco items will be changing over to Attwood. Same product, but now Attwood branded.

### Drop-In Hidden Horn

Low profile drop-in horn with grills. Design allows easy installation. Easily retrofitted. Comes with black and white cover. 12V DC. ABYC compliant with A-16 standards.

- Includes black and white cover

OEM Part #	Part #
—	11478-7



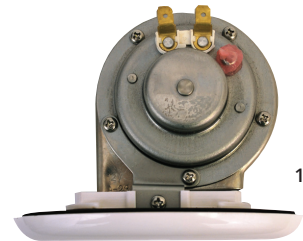
11477

### Hidden Horn Kit

Mounts below deck, behind dash, or behind console. Meets ABYC standards for boats up to 16.4 ft. (5 meters), and USCG standards for boats up to 39.4 ft. (12 meters). Heavy-duty marine construction. For 12V DC systems only.

- 3" L x 3 1/4" W x 1 3/4" D

OEM Part #	Part #
—	11477-3



11478

### Mini Hidden Horn

- dB(A) rating: 105 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 3.25" W x 1.75" H x 3" L
- Maximum amp draw: 3A
- Type 304 stainless steel diaphragm
- This horn is not designed for installation in exposed areas

(( Lower Frequency ))  
(( for a Deeper Sound ))



#### With Grill Bracket

- Same horn motor as 11031 but includes grill mounting bracket
- Grill must be ordered separately



#### Grills for Mini Hidden Horn 11034

- Screw-In
- Black ABS version includes gasket for watertight seal
- 4" from hole to hole
- Dimensions: 5" x 2.625" x .375" (black), 5" x 2" x .25" (stainless steel)



**TRANSITIONING 2024**

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Mini Hidden Horn	10031	11031	10031-7	11031-5
Horn with grill bracket	—	11034	—	11034-5
Screw-In black ABS grill	—	11168	—	11168-5
Screw-In stainless steel grill	—	11088	—	11088-5

**TRANSITIONING 2024**

For products with this callout: Jan 1st, 2024, Marinco items will be changing over to Attwood. Same product, but now Attwood branded.

## Electronic Horn

### With White Grill

- 107 dB(A) at one meter
- Fundamental frequency: 550±100Hz
- 12V DC
- Internal space requirements: 2.25" W x 2.25" H x 2" D
- Grill dimensions: 4.875" W x 2.75" H x .5"D
- Draws less than one amp, maximum draw: 0.8A
- Electronic piezo horn sound
- One piece water resistant housing, grill is molded to horn
- Mounts in a standard 2.25" opening
- Stainless steel grill cover 11185 sold separately

### Stainless Steel Grill Cover for Electronic Horn 10082

- Grill dimensions: 4.9375" W x 2.8125" H x .5" D
- 4" from hole to hole

#### TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Horn with white grill	10082	—	10082-7	—
Stainless steel grill	—	11185	—	11185-5



#### TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.



### MiniBlast™ Compact Electric Horns

- dB(A) rating: 106 at one meter (3 feet)
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 4.375" L x 3.375" W x 2" H
- Maximum amp draw: 3A
- Long lasting, non-corrosive ASA plastic cover
- Sealed sound unit with stainless steel diaphragm
- Mounts in same hole pattern as the 10035 horn

(( Lower Frequency for a Deeper Sound ))



TRANSITIONING 2024				
	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
White Horn	10099	—	10099-7	—
Black Horn	10098	11098	10098-7	11098-5

### Mini Compact Electric Horn

- dB(A) rating: 106 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 3" L x 3.25" W x 1.75" H
- Maximum amp draw: 3A
- Totally sealed sound unit
- Type 304 stainless steel cover, diaphragm, mounting bracket

(( Lower Frequency for a Deeper Sound ))



TRANSITIONING 2024			
Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
10035	11035	10035-7	11035-5

### Mini Twin Electric Horn

- dB(A) rating: 109 at one meter
- Fundamental frequency: 490±20/430±20Hz
- 12V DC
- Dimensions: 3" L x 8" W x 1.75" H
- Maximum amp draw: 6A
- Type 304 stainless steel covers, diaphragms, and mounting bracket

(( Lower Frequency for a Deeper Sound ))



TRANSITIONING 2024			
Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
10001	—	10001-7	—

### International Shorty Horn

- dB(A) rating: 123 at one meter
- Fundamental frequency: 310±20 Hz
- 12V DC
- Dimensions: 4.25" L x 5" W x 6.5" H
- Maximum amp draw: 4A
- Stainless steel diaphragm and mounting bracket
- ABS, triple chrome-plated housing



TRANSITIONING 2024			
Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
10036	—	10036-7	—

**TRANSITIONING 2024**  
Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## Single Trumpet Electric Horn

**5 YEAR WARRANTY**

- dB(A) rating: 118 at one meter
- Fundamental frequency: 370±20Hz
- Dimensions: 16.5" L x 4" W x 4.75" H
- Maximum amp draw: 5A
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm
- 24V max amp draw: 2.5A

**TRANSITIONING 2024**

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12V	10028XLP	11028XLP	10028XLP-7	11028XLP-1
24V	10017XL	11017XLP	10017XL-7	11017XLP-1


 (( Lower Frequency ))  
 for a Deeper Sound ))

## Dual Trumpet Electric Horn

**5 YEAR WARRANTY**

- dB(A) rating: 123 at one meter
- Fundamental frequency: 370±20/310±20Hz
- Dimensions: 18.5" L x 8" W x 5" H
- Maximum amp draw: 10A
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm
- 24V max amp draw: 2.5A

**TRANSITIONING 2024**

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12V	10029XLP	11029XLP	10029XLP-7	11029XLP-1
24V	10018XL	11018XLP	10018XL-7	11018XLP-1



## Compact Single Trumpet Electric Horn

- dB(A) rating: 110 at one meter
- Fundamental frequency: 420±20Hz
- 12V DC
- Dimensions: 14" L x 3.5" W x 4" H
- Maximum amp draw: 3.5A
- Compact design makes it easier to install in smaller spaces
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

**TRANSITIONING 2024**

Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
10010	—	10010-7	—


 (( Lower Frequency ))  
 for a Deeper Sound ))

## Compact Dual Trumpet Electric Horn

- dB(A) rating: 115 at one meter
- Fundamental frequency: 420±20/370±20Hz
- 12V DC
- Dimensions: 16" L x 7.5" W x 4" H
- Maximum amp draw: 7A
- Compact design makes it easier to install in smaller spaces
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

**TRANSITIONING 2024**

Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
10011	—	10011-1	—


**TRANSITIONING 2024**

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

All of our air horns produce sound levels ranging between 120dB and 127dB, which means all of our air horns meet the ABYC and NMMA regulations for boats up to 20 meters/66 feet. Both 12V and 24V compressors are CE listed.

### Single Trumpet Mini Air Horns

- dB rating: 126 at one meter, 1/3 octave band
- Fundamental frequency: 630±15Hz
- Dimensions: 9.5" L x 3.5" W x 3.5" H
- Maximum amp draw: 20A (12V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Chrome Plated	10107	11107	10107-1	11107-1
White Epoxy Coated	10104	—	10104-1	—



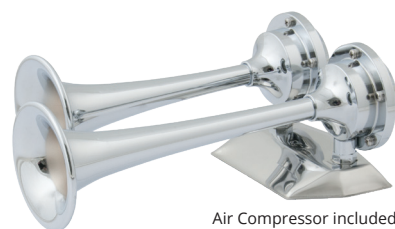
Air Compressor included

### Dual Trumpet Mini Air Horns

- dB(A) rating: 127 at one meter, 1/3 octave band
- Fundamental frequency: 630±15/525±15Hz
- Dimensions: 9.5" L x 5" W x 3.75" H
- Maximum amp draw: 20A (12V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Chrome Plated	10108	—	10108-1	—



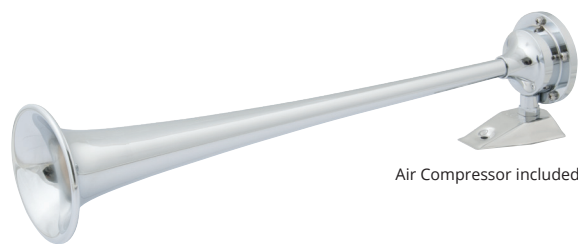
Air Compressor included

### Single Trumpet Air Horns

- dB rating: 120 at one meter, 1/3 octave band
- Fundamental frequency: 315±15Hz
- Dimensions: 17" L x 3.75" W x 3.75" H
- Maximum amp draw: 20A (12V DC), 10A (24V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12V	10105	—	10105-1	—
24V	10524	—	10524-1	—



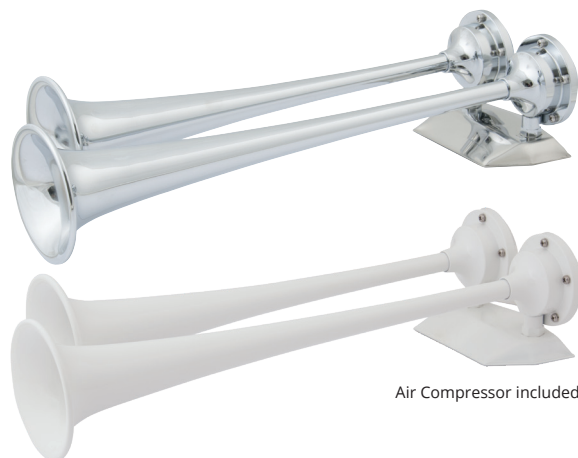
Air Compressor included

### Dual Trumpet Air Horns

- dB rating: 121 at one meter, 1/3 octave band
- Fundamental frequency: 375±15/315±15Hz
- Dimensions: 17" L x 7" W x 3.75" H
- Maximum amp draw: 20A (12V DC), 10A (24V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12V, Chrome Plated	10106	11106	10106-1	11106-1
12V, White Epoxy Coated	10122	—	10122-1	—
24V, Chrome Plated	10624	—	10624-1	—



Air Compressor included

TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

LEXAN® is a registered trademark of Sabic Innovative Plastics IP B.V., Netherlands

### Concealed Single Mini Air Horn

- dB rating: 126 at one meter, 1/3 octave band
- Fundamental frequency: 630±15Hz
- 12V DC
- Internal space requirements: 13" H x 5" W x 3.75" D
- Air compressor dimensions: 2.625" D x 5" L
- Maximum amp draw: 20A
- Solid brass construction
- Includes compressor, air tubing, fittings, and hardware
- Grill must be ordered separately



### Stainless Steel Grill for 11059

- Dimensions: 4.6875" H x 4.6875" W

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Concealed Single Mini Air Horn	—	11059	—	11059-1
Stainless Steel Grill for 11059	—	11064	—	11064-1



### Concealed Dual Trumpet Air Horn

- dB rating: 121 at one meter, 1/3 octave band
- Fundamental frequency: 375±15/315±15Hz
- 12V DC
- Internal space requirements: 10" W x 18.5" H x 3.75" D
- Air compressor dimensions: 5" L x 2.625" D
- Maximum amp draw: 20A
- Solid brass construction
- Can be mounted side by side with dual grill 11066 or separately with two single grills 11064
- Includes compressor, air tubing, fittings, and hardware



### Stainless Steel Grill for 11058

- Dimensions: 9.375" W x 4.6875" H

TRANSITIONING 2024

	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Concealed Dual Trumpet Air Horn	—	11058	—	11058-1
Stainless Steel Grill for 11058	—	11066	—	11066-1



### Air Compressor

- Replacement compressor fits all Marinco® and AFI™ Air Horns
- Maximum amp draw: 20A (12V DC), 10A (24V DC)
- Produces 9–11 PSI
- Dimensions: 2.625" D x 5" L
- Includes mounting bracket

TRANSITIONING 2024

	Marinco OEM #	Attwood OEM #
12V	10102	10102-1
24V	10224	10224-1



TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## Wiper Motors

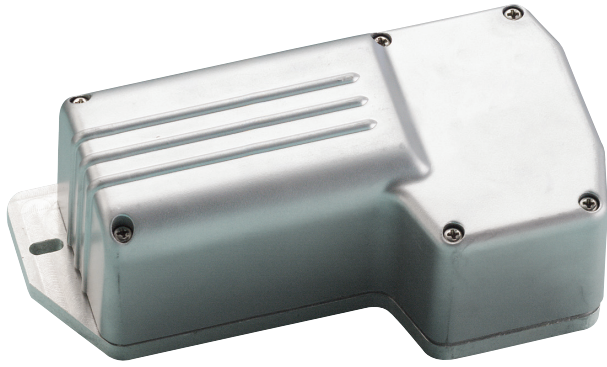
The motor choice is based primarily on the size of the windshield and where the motor is to be installed, either in an exterior or interior location. Marinco motors are split into two categories, Standard and Heavy-Duty with the categories being defined by the power range of the motors. Within the two categories, there are motors designed for interior or protected installations, and motors designed for exterior installations.

The Standard motor category includes the STD and 500, which are all designed for light duty use, defined as being able to drive a 14" arm and a 14" blade.

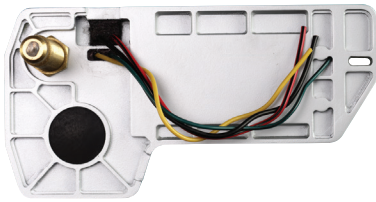
When coverage of a larger windshield is required, Marinco® offers the Heavy-Duty motors, which are capable of driving a wide range of arm and blade sizes, up to a 26" x 26" Deluxe arm and blade combination, which would cover windshields up to 39". The 1000 motor can pull up to a 16" x 16" Deluxe arm and blade combination. The MRV is built for interior or well-protected locations, and has the power to pull a 22" X 22" Deluxe arm and blade combination. The 1.5 motor has the power to pull a 22" x 22" Deluxe arm and blade combination like the MRV, but is waterproof and built for exposed installations.

### Choosing the Right Motor

	Model	Voltage	Speeds	Stall Torque/ Stall Current	Compatible Blade Lengths	Available Shaft Lengths	Sweep Angles	Housing
	1.5	12V & 24V	2 speed	109 in-lbs / 11.5A-13A	22" Deluxe 20" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable: 45° or 60°	Fully sealed powder coated aluminum
	3000	12V	2 speed	159 in-lbs / 10.2A-12.2A	26" Deluxe 26" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable to 40°, 50°, 60°, 70°, 80°, 90°, 100° or 110°	Fully sealed aluminum
	1000	12V	Single	55 in-lbs / 9.8A-10A	16" Deluxe 18" Premier	1.5" 2.5"	Factory preset: 65°, 80° or 110° Adjustable: 50°, 65°, 80° or 110°	Fully sealed, UV stabilized hi-temp thermoplastic
	MRV	12V & 24V	2 speed (but can be operated as 1)	109 in-lbs / 11.5A-13A	22" Deluxe 20" Premier (at 80° sweep)	1.5" 2.5" 3.5"	Factory preset: 80° or 110° Adjustable: 45°, 60°, 80° or 110°	Corrosion resistant cast housing
	500	12V	Single	—	14" Deluxe	2.5"	Factory preset: 80° or 110°	Fully sealed, UV stabilized hi-temp thermoplastic
	STD	12V	Single	—	14" Deluxe	2.5" 3.5"	Factory preset: 80° or 110° Adjustable: 80° or 110°	Corrosion proof aluminum alloy case



**3 YEAR WARRANTY**  
**CE**



### 1.5 Waterproof Wiper Motor

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 22" Deluxe arm and 22" Deluxe blade combination or a 20" Premier arm and 20" Deluxe blade combination
- Available in three (3) shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- Factory pre-set sweep angles of 80° or 110°, with easy adjustment to 45° or 60°
- Chrome plated solid brass knurled drive nut with brass and stainless steel drive shaft
- Two-speed motor
- Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- .625" diameter shaft (16 mm)
- Available in 12V
- Coast to park
- RF shielded circuitry
- Retail version includes 5A fuse and holder (operating switch not included)
- Measures approximately 7.75" L x 4" W x 2.75" D (see below for detailed dimensional drawings)
- Stall torque: 109 in-lbs (125 kgf/cm; 12.3 Nm)
- Stall current: 11.5A-13.0A
- No load current: 0.5A-1.2A
- Replaces AFI 2000 motor

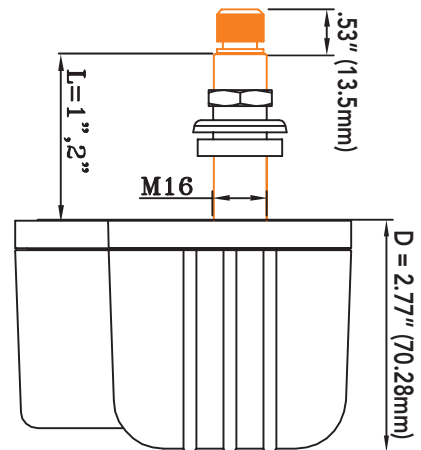
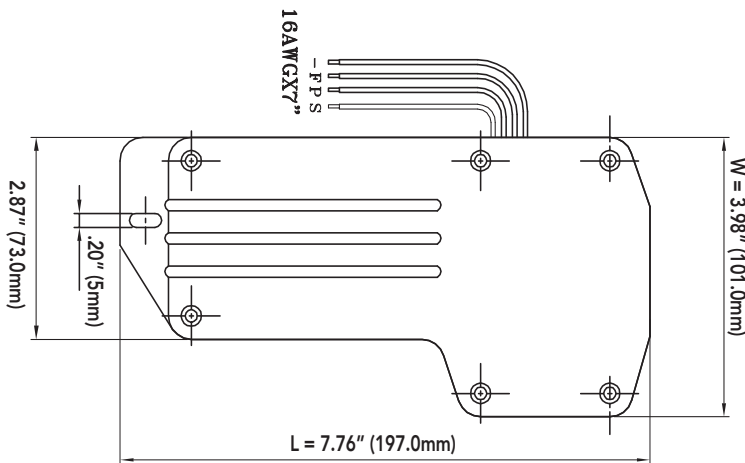
#### Related Products



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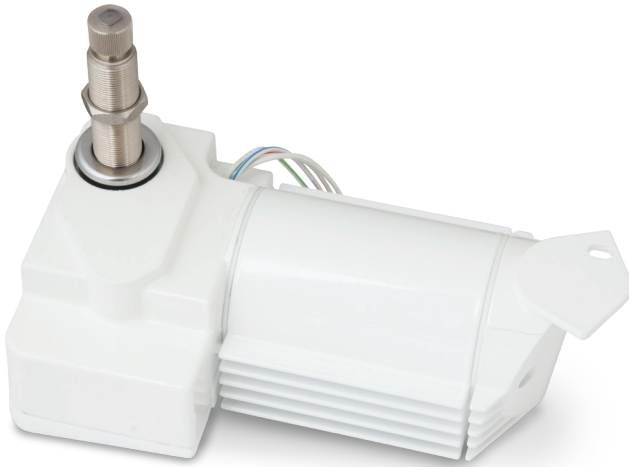
**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
1.5" Shaft	12V	80°	71081	—	71081-1	—
		110°	71011	—	71011-1	—
2.5" Shaft	12V	80°	71082	71182	71082-1	71182-1
		110°	71012	—	71012-1	—



**TRANSITIONING 2024**

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.



**3 YEAR WARRANTY**  
**CE**

### 3000 Waterproof Wiper Motor

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 26" Deluxe arm and Deluxe blade combination or a 24" Premier arm and Deluxe blade combination
- Available in two (2) shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- .625" diameter shaft (16 mm)
- Factory preset sweep angles of 80° or 110°, with easy adjustment from 40° to 110° at 10° increments
- Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- Two-speed settings
- Retail version includes 5A fuse and holder (on/off switch not included)
- Isolated ground
- Stall torque: 159 in-lbs (183 kgf/cm; 18 Nm)
- Stall current: 10.2A-12.20A
- IP66 rated (see inside back cover)

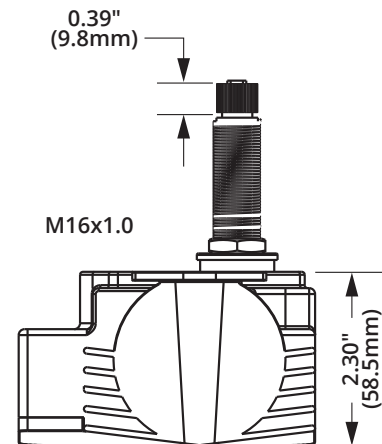
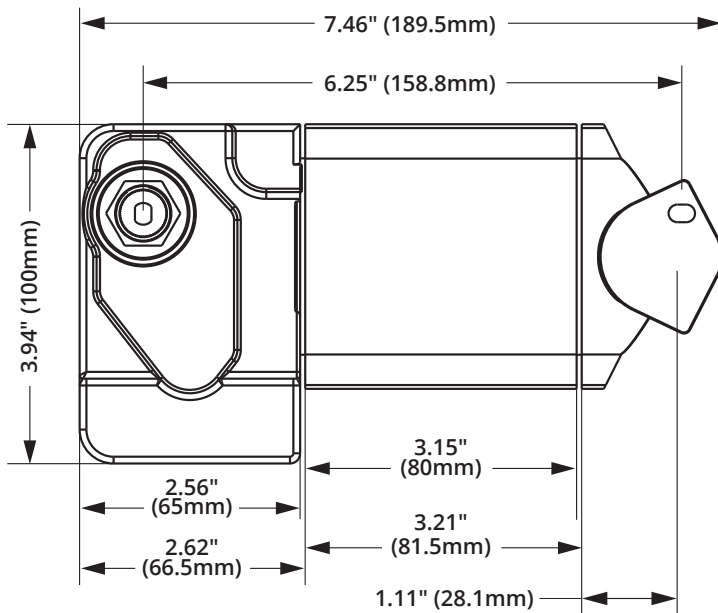
TRANSITIONING 2024

Description	Voltage	Sweep	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
1.5" Shaft	12V	80°	83081	83181	83081-1	83181-1
		110°	83011	83111	83011-1	83111-1
2.5" Shaft	12V	80°	83082	83182	83082-1	83182-1
		110°	83012	83112	83012-1	83112-1

#### Related Products



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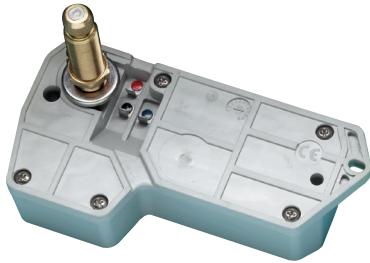


TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.



**3 YEAR WARRANTY**  
**CE**



### 1000 Waterproof Wiper Motor

- Powers 18" Deluxe arm and 18" Deluxe blade combination at sweep sets of 80° or less (not compatible with pantograph arms)
- Powers 16" Deluxe arm and 16" Deluxe blade combinations at a sweep set of 110° (not compatible with pantograph arms)
- Factory pre-set sweep of 80° or 110° adjustable to 50°, 65°, 80°, or 110°
- .625" diameter shaft (16 mm)
- Fully sealed waterproof housing made of UV stabilized, high-temperature, high-impact thermoplastic
- 12V heavy-duty motor with anti-rotation drive shaft
- Knurled drive shaft and solid brass arm drive nut
- Coast to park with adjustable right or left self parking
- Retail version includes 5A fuse and holder (on/off switch not included)
- RF shielded circuitry
- Weight: 1.75 lbs
- Available in two (2) shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- Measures approximately 6.625" L x 3.375" W x 2" D
- Stall torque: 55 in-lbs (63 kgf/cm; 6.2 Nm)
- Stall current: 9.8A-10.0A
- No load current: 0.8A-1.2A

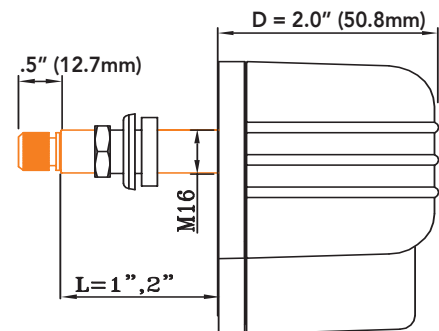
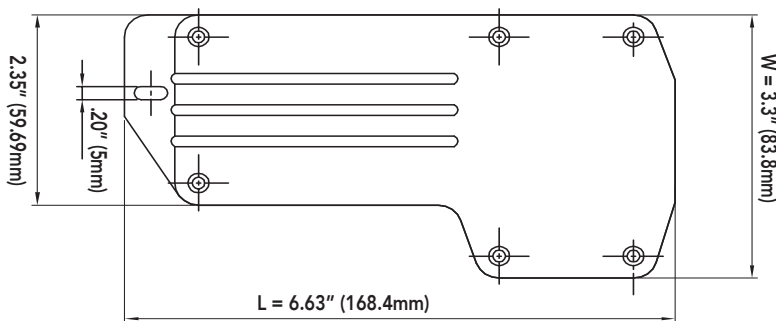
#### Related Products



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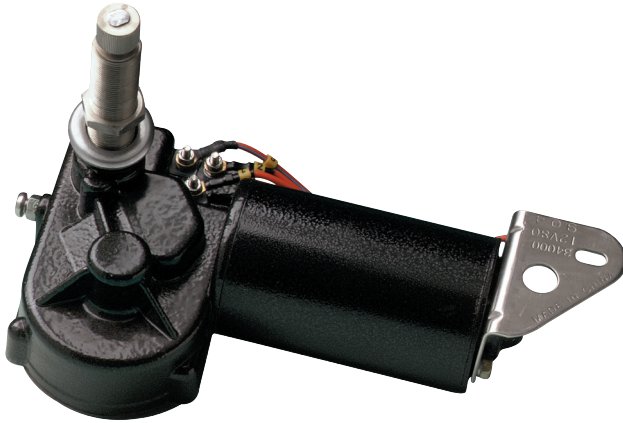
**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
1.5" Shaft	12V	65°	—	36161	—	36161-1
		80°	36180	—	36180-1	—
		110°	36110	36111	36110-1	36111-1
2.5" Shaft	12V	65°	—	37161	—	37161-1
		80°	37180	37181	37180-1	37181-1
		110°	37110	37111	37110-1	37111-1
2.5" Shaft Kits	12V	80°	37100	—	37100-1	—
		110°	37200	—	37200-1	—



**TRANSITIONING 2024**

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.



**3 YEAR WARRANTY**  
**CE**

### MRV Wiper Motor

- Easily powers 22" x 22" deluxe arm/blade combinations, or a 20" x 20" premier arm/blade combination at sweep sets of 80° or less
- Factory pre-set sweep of 80° or 110° adjustable from 40° to 110° in 10° increments
- .625" diameter shaft (16 mm)
- Available in three (3) shaft lengths: 1.5", 2.5" and 3.5" (includes .5" length of knurled arm fitting)
- Corrosion-resistant casing
- Heavy-duty motor with right angle drive
- Two-speed motor, can be operated as one speed
- Solid brass knurled drive nut with brass and stainless steel drive shaft
- Adjustable right or left self parking, coast to park
- Retail version includes 5A fuse and holder
- Stainless steel fasteners and mounting bracket
- Use with three-position switch (not included)
- Compact size – 7.625" L x 4" W x 2" D
- Stall torque: 109 in-lbs (125 kgf/cm: 12.3 Nm)
- Stall current: 11.5A-13.0A
- No load current: 0.5A-1.2A

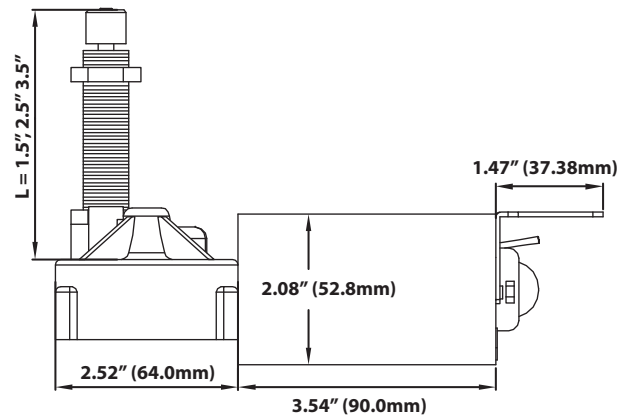
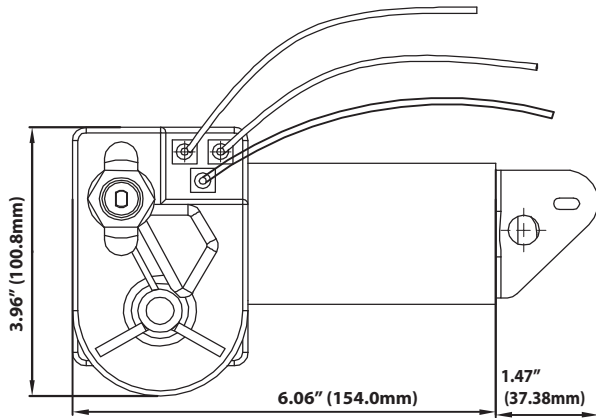
### Related Products



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**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco Item#	Marinco OEM #	Attwood Item#	Attwood OEM #
1.5" Shaft	12V	80°	34001	38001	34001-1	38001-1
		110°	34011	38011	34011-1	38011-1
2.5" Shaft	12V	80°	34000	38000	34000-1	38000-1
		110°	34010	38010	34010-1	38010-1
		24V	110°	34210	—	34210-1
3.5" Shaft	12V	80°	34005	38005	34005-1	38005-1
		110°	34015	—	34015-1	—



### MRV Wiper Motor Cover

- Constructed of white ABS plastic
- Easily installed

**TRANSITIONING 2024**

Description	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
White	33025	33125	33025-5	33125-5

**TRANSITIONING 2024**

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**3 YEAR WARRANTY**

### STD Wiper Motor

Windshield Mount: .375" shaft diameter

Deck Mount: .5" shaft diameter

- Deck mount version includes deck mount adapter kit (33000)
- Powers up to 14" x 14" arm/blade combinations
- Corrosion-proof aluminum alloy case with black crackle finish
- Base & mounting plates are chrome plated naval brass
- Maximum current draw: 2A
- 80° or 110° adjustable sweep, adjustable right or left self-parking
- Shaft diameter: .375" windshield mount, .5" deck mount
- Dimensions: 3.875" L x 2.25" W x 3.5" D

**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco Part #	Attwood Part #
2.5" Shaft	12V	80°	35040	35040-1



**3 YEAR WARRANTY**

### STD Wiper Motor Kit

Windshield Mount: .375" shaft diameter

Deck Mount: .5" shaft diameter

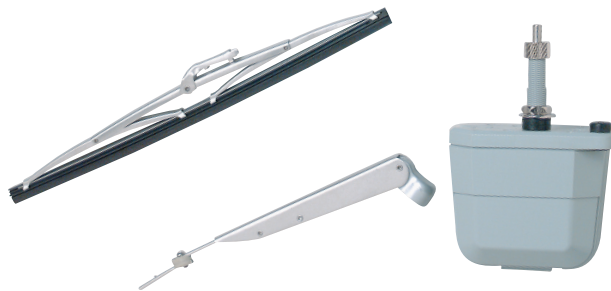
- Deck Mount version includes deck mount adapter kit (33000)
- Powers up to 14" x 14" arm/blade combinations
- Corrosion-proof aluminum alloy case with black crackle finish
- Base & mounting plates are chrome plated naval brass
- Maximum current draw: 2A
- 80° or 110° adjustable sweep, adjustable right or left self-parking
- Shaft diameter: .375" windshield mount, .5" deck mount
- Dimensions: 3.875" L x 2.25" W x 3.5" D

Kit includes:

- STD wiper motor (recommended for interior installations only)
- 11.5" Deluxe stainless steel curved blade (33004)
- Deluxe adjustable (6.75" to 10.5") stainless steel arm (33006AS)

**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco OEM #	Attwood OEM #
2.5" Shaft	12V	80°	32000	32000-7
		110°	32002	32002-7
3.5" Shaft	12V	80°	32001	32001-7



**3 YEAR WARRANTY**

### 500 Wiper Kit

Windshield Mount: .5" shaft diameter

Kit includes:

- 500 Waterproof wiper motor
- 11.5" Deluxe stainless steel curved blade (33004)
- Deluxe adjustable (6.75" to 10.5") stainless steel arm (33006AS)

**TRANSITIONING 2024**

Description	Voltage	Sweep	Marinco OEM #	Attwood OEM #
2.5" Shaft	12V	80°	30004	30004-7
2.5" Shaft	12V	110°	30005	30005-7



### Hand-operated Wiper Blade

- Chrome-plated brass handle
- Includes stainless steel 7-1/2" to 12" adjustable wiper arm, 11" blade, and all parts for installation
- Economical—an inexpensive alternative to wiper motor kit
- Requires 7/16" diameter hole for installation
- Can be installed up to 7/8" thick material
- For use on flat windshields only

**TRANSITIONING 2024**

Description	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Full Kit	31000	—	31000-5	—
Replacement Blade	—	33101	—	33101-5

**TRANSITIONING 2024**

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## Intermittent Wiper Motor Controller

- Single-speed and dual-speed options
- Allows for the control of single motor systems, and synchronized control of dual motor systems
- Intuitive automotive-style functionality—features adjustable intermittent settings, adjustable continuous settings, and washer system operation
- IP67—Potted case for harsh environment durability (see inside back cover)
- Includes Contura Switch, SPDT (On)-Off-(On) (retail only)
- Easy to install with 1/4" spade connectors
- Reverse polarity protection
- Compatible with 12V and 24V DC motors

**TRANSITIONING 2024**

Description	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Single Speed	76090	76190	76090-3	76190-6
Dual Speed	76080	76180	76080-3	76180-6

LEARN MORE  
Wiper Motor  
Controller Video



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76080



# Wiper Arms

Wiper arms are available in Deluxe and Premier styles and the primary construction material in all wiper arms is stainless steel. The Deluxe arms are used on Standard and Heavy-Duty motors. When choosing arms (and blades) it is very important to use only the recommended lengths for the motor that you are using.

The arms are available in a wide range of sizes, in both black and stainless-steel finish, and regular and pantographic models. Pantographic arms use a set of two arms joined together to give a flatter and somewhat wider sweep pattern. The Deluxe arms are available in a polished stainless-steel finish or a black powder-coated finish. Premier arms are the top of the line product in this category, utilizing heavy-duty stainless-steel tubing and components, and they can only be used with the Heavy-Duty motors.

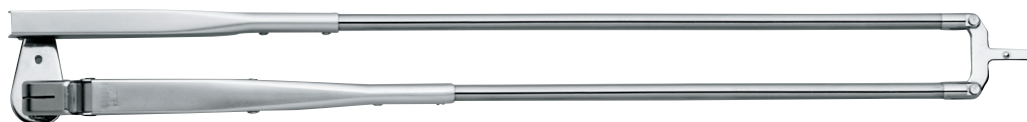
Premier arms are also available as “wet arm” versions, with the water hose and sprayer nozzle built into the wiper arm. All that is needed is a water delivery system that the arm can be tied into. For those wanting a windshield washer system for the Deluxe arms, there is a complete washer kit system that is made especially to fit the Deluxe arms.

## Wiper Arm Compatibility Chart

Style	Wet/ Dry	Length (adjustable)	Color	Material	Part #	OEM #	Motor Compatibility Chart				
							2.5	3000	1.5	1000	MRV
<b>Premier</b>											
single	wet	15"-20"	stainless	stainless	33084W	33184W	✓	✓	✓	—	✓
single	wet	20"-25"	stainless	stainless	33086W	33186W	✓	✓	—	—	—
pantographic	dry	12"-17"	stainless	stainless	33090	33190	✓	✓	✓	—	✓
pantographic	dry	17"-22"	stainless	stainless	33092	33192	✓	✓	—	—	max 20"
pantographic	dry	22"-26"	stainless	stainless	33094	33194	✓	✓	—	—	—
pantographic	wet	12"-17"	stainless	stainless	33090W	—	✓	✓	✓	—	✓
pantographic	wet	17"-22"	stainless	stainless	33092W	33192W	✓	✓	—	—	max 20" ≤ 80"
<b>Deluxe Adjustable</b>											
single	dry	6.75"-10.5"	stainless	stainless	33006A	33106A	✓	✓	✓	✓	✓
single	dry	10"-14"	stainless	stainless	33007A	33107A	✓	✓	✓	✓	✓
single	dry	14"-20"	stainless	stainless	33010A	33110A	✓	✓	✓	max 18" ≤ 80° max 16" @ 110°	✓
single	dry	10"-14"	black	stainless	33012A	33112A	✓	✓	✓	✓	✓
single	dry	14"-20"	black	stainless	33014A	33114A	✓	✓	✓	max 18" ≤ 80° max 16" @ 110°	✓
single	dry	18"-24"	black	stainless	33070A	33170A	✓	✓	—	—	max 22"
<b>Deluxe Pantographic</b>											
pantographic	dry	12"-17"	black	stainless	33032A	33132A	✓	✓	✓	—	✓
pantographic	dry	17"-22"	black	stainless	33037A	33137A	✓	✓	✓	—	✓

## Premier Stainless Steel Pantographic Dry Arms

- Heavy-duty component design for use with most Marinco® motors
- Stainless steel construction
- Features “articulating/bend back” design that locks arm in upright position for windshield cleaning
- Motor shaft mount with notched teeth



### Pantographic

Style	Wet/Dry	Length (adjustable)	Color	Material	TRANSITIONING 2024			
					Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
pantographic	dry	12"-17"	stainless	stainless	33090	33190	33090-5	33190-5
pantographic	dry	17"-22"	stainless	stainless	33092	33192	33092-5	33192-5
pantographic	dry	22"-26"	stainless	stainless	33094	33194	33094-5	33194-5

**Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less.**

### TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## Premier Stainless Steel Wiper Wet Arms

- Heavy-duty component design for use with most Marinc® motors
- Features “articulating/bend back” design that locks arm in upright position for windshield cleaning
- Built-in wet arm system that allows for a clean and easy installation of a washer system
- Black PVC hose runs up the center of the arm and ends in an adjustable four-nozzle fixture that is an integral part of the wiper arm itself



TRANSITIONING 2024

Style	Wet/Dry	Length (adjustable)	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
single	wet	15"-20"	stainless	stainless	33084W	33184W	33084W-5	33184W-5
pantographic	wet	17"-22"	stainless	stainless	33092W	33192W	33092W-5	33192W-5

Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less.

## Deluxe Adjustable Wiper Arm

- All arms are stainless steel
- Arm has “articulating/bend-back” feature
- Motor shaft mounting has additional set screw clamping

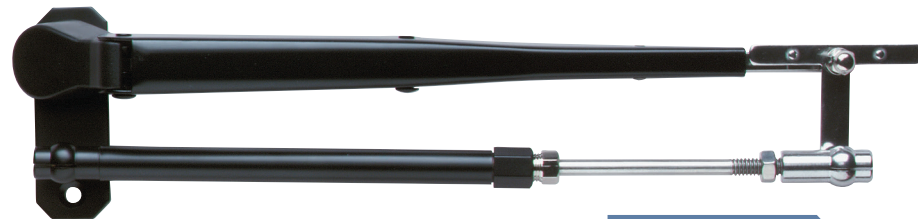


TRANSITIONING 2024

Style	Wet/Dry	Length (adjustable)	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
single	dry	6.75"-10.5"	stainless	stainless	33006A	33106A	33006A-7	33106A-5
single	dry	10"-14"	stainless	stainless	33007A	33107A	33007A-7	33107A-5
single	dry	14"-20"	stainless	stainless	33010A	33110A	33010A-7	33110A-5
single	dry	10"-14"	black	stainless	33012A	—	33012A-7	—
single	dry	14"-20"	black	stainless	33014A	33114A	33014A-7	33114A-5
single	dry	18"-24"	black	stainless	33070A	33170A	33070A-7	33170A-5

## Deluxe Adjustable Pantographic Arm

- For Use with 2.5, 1.5 and MRV Motors
- Stainless steel
- Arm has “articulating/bend-back” feature
- Motor shaft mounting has additional set screw clamping



TRANSITIONING 2024

Style	Wet/Dry	Length (adjustable)	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
pantographic	dry	12"-17"	black	stainless	33032A	33132A	33032A-7	33132A-5
pantographic	dry	17"-22"	black	stainless	33037A	33137A	33037A-7	33137A-5

TRANSITIONING 2024

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## Wiper Blade Selection Charts

**Step 1:** Find the type and part number of wiper arm you have along the left side of the chart.

**Step 2:** Follow along to the right until you match up with the type and length of wiper blade you want.

**Step 3:** The bold number is the part number and the lighter number is the OEM number (if available).



	Color/ Material	Length	Deluxe Blades							Black/ Stainless					
			Stainless/ Stainless	12"	14"	16"	18"	20"	22"	24"	26"	12"	14"	16"	18"
Premier Wiper Arms	Single Arm														
	<b>33084W</b> 33184W	wet	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33086W</b> 33186W	wet	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	Pantograph Arm														
	<b>33090</b> 33190	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33090W</b> 33190W	wet	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33092</b> 33192	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33092W</b> 33192W	wet	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33094</b> 33194	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	<b>33094W</b> 33194W	wet	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
	Deluxe Wiper Arms	Single Arm													
		<b>33006A</b> 33106A	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B
		<b>33007A</b> 33107A	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B
		<b>33010A</b> 33110A	dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B
<b>33012A</b> 33112A		dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
<b>33014A</b> 33114A		dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
<b>33070A</b> 33170A		dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
Pantograph Arm															
<b>33032A</b> 33132A		dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	
<b>33037A</b> 33137A		dry	<b>34012S</b> 34112S	<b>34014S</b> 34114S	<b>34016S</b> 34116S	<b>34018S</b> 34118S	<b>34020S</b> 34120S	<b>34022S</b> 34122S	<b>34024S</b> 34124S	<b>34026S</b> 34126S	<b>34012B</b> 34112B	<b>34014B</b> 34114B	<b>34016B</b> 34116B	<b>34018B</b> 34118B	

Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less

# Wiper Blades

Deluxe and Hybrid wiper blades are offered in different sizes and styles to fit all the different types of wiper arms. Standard styles have plastic frame construction and marine grade rubber squeegees.

Deluxe blades have stainless steel frame construction and high-end silicone rubber squeegees. This style has a multiple frame construction, allowing for equal pressure of the entire length of the blade and silicone rubber squeegees that are durable and create a smoother wiping motion.

Hybrid blades are designed from a multi-material construction of an electro coated galvanized steel frame, with a durable polycarbonate shell. This along with a graphite-coated natural rubber squeegee make this an excellent marine grade construction. For maximum performance of all blade styles, replacement of wiper blades is recommended every 6 months.



Deluxe Blades (cont)				Hybrid Blades						
Black/ Stainless (cont)				Black/ Polymer						
20"	22"	24"	26"	12"	14"	16"	18"	20"	22"	24"
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	80° only	80° only	80° only		
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	80° only	80° only	80° only		
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	80° only
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	80° only
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B				
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B		
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B		
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B	<b>32022B</b> 32122B	<b>32024B</b> 32124B
<b>34020B</b> 34120B	<b>34022B</b> 34122B	<b>34024B</b> 34124B	<b>34026B</b> 34126B	<b>32012B</b> 32112B	<b>32014B</b> 32114B	<b>32016B</b> 32116B	<b>32018B</b> 32118B	<b>32020B</b> 32120B		

## Deluxe Stainless Steel Wiper Blades

- Works well on curved or flat windshields
- All stainless steel construction
- Marine grade silicone squeegee



TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12"	stainless	stainless	34012S	34112S	34012S-7	34112S-5
14"	stainless	stainless	34014S	34114S	34014S-7	34114S-5
16"	stainless	stainless	34016S	34116S	34016S-7	34116S-5
18"	stainless	stainless	34018S	34118S	34018S-7	34118S-5

TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
20"	stainless	stainless	34020S	34120S	34020S-7	34120S-5
22"	stainless	stainless	34022S	34122S	34022S-7	34122S-5
24"	stainless	stainless	34024S	34124S	34024S-7	34124S-5
26"	stainless	stainless	34026S	34126S	34026S-7	34126S-5



TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12"	black	stainless	34012B	34112B	34012B-7	34112B-5
14"	black	stainless	34014B	34114B	34014B-7	34114B-5
16"	black	stainless	34016B	34116B	34016B-7	34116B-5
18"	black	stainless	34018B	34118B	34018B-7	34118B-5

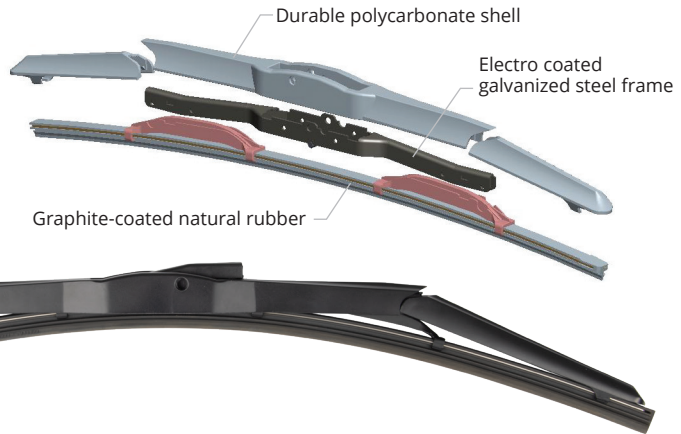
TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
20"	black	stainless	34020B	34120B	34020B-7	34120B-5
22"	black	stainless	34022B	34122B	34022B-7	34122B-5
24"	black	stainless	34024B	34124B	34024B-7	34124B-5
26"	black	stainless	34026B	34126B	34026B-7	34126B-5

## Hybrid Wiper Blades

Hybrid Multi-Material Construction. Electro coated galvanized steel frame, with durable polycarbonate shell.

- Designed for maximum flexibility to conform to all windshield shapes
- Marine grade construction will not rust or corrode
- Graphite-coated natural rubber squeegee for optimal wipe quality and durability
- Streamlined shape for reduced wind-lift
- Performance-tested to 500,000 cycles



TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
12"	black	hybrid	32012B	32112B	32012B-7	32112B-5
14"	black	hybrid	32014B	32114B	32014B-7	32114B-5
16"	black	hybrid	32016B	32116B	32016B-7	32116B-5
18"	black	hybrid	32018B	32118B	32018B-7	32118B-5

TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
20"	black	hybrid	32020B	32120B	32020B-7	32120B-5
22"	black	hybrid	32022B	32122B	32022B-7	32122B-5
24"	black	hybrid	32024B	32124B	32024B-7	32124B-5

## Classic Stainless Steel Straight Wiper Blades

- Replaces most standard blades in boats made before 1990
- Hook and catch style



TRANSITIONING 2024

Length	Color	Material	Marinco Part #	Attwood Part #
11"	stainless	stainless	33901	33901-7
14"	stainless	stainless	33919	33919-7

**Note: NOT for use with currently offered arms**

TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

## Add-On Windshield Washer Kits

- Can be used on new or existing Deluxe wiper arm and blade sets
- Kit includes parts to outfit two (2) wiper arms
- Sprayer fittings (kit includes two) each have four (4) adjustable brass nozzles to provide maximum spray coverage for most any windshield
- Plastic parts are numbered to make installation easy

### Complete Kit

Includes:

- Water tank with mounting bracket
- 12V pump motor
- Under deck tee fitting
- Thru deck fitting and hardware
- Below deck clear tubing (16')
- Above deck black tubing (6')
- Large and small rivet clips
- Wiper arm clips
- Sprayer fittings with clamps

### Above Deck Kit for One Small Arm

Includes:

- Small rivet clip
- Wiper arm clips
- Sprayer fitting with narrow clamp
- Thru deck fitting
- Above deck black tubing (6')



#### TRANSITIONING 2024

Description	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Complete Kit	33505	33515	33505-1	33515-1
Above Deck	—	33517	—	33517-1

## Intelligent Wiper Switch

Microcontroller based "intelligent" switch provides all necessary wiper motor functions in one small component.

- Settings for two (2) continuous speed functions and three (3) intermittent speed functions (2-, 4-, or 8-second delay)
- Washer system operation function
- Blinking LED lights in switch indicate operating function
- Works with 12V or 24V DC motors
- Fits standard switch size openings, requires 2.65"/67.5 mm depth
- Includes one (1) ten pole connector with female pins and two (2) female quick-connects



#### TRANSITIONING 2024

Description	Marinco Part #	Marinco OEM #	Attwood Part #	Attwood OEM #
Single Motor	76030	76130	76030-6	76130-6

#### TRANSITIONING 2024

Starting Jan 1st 2024, select Marinco items will become Attwood branded. Same great product, but now available through Attwood.

# HARDWARE

## Cleats



182

Attwood provides a variety of durable and attractive cleat options to fit all your docking needs. Select from various finishes that are in tune with styling of today's boats.

## Lift Rings, Hawse Pipes & Bow Eyes



187

Lift rings provide heavy duty strength for boats lifted by davits, cranes, or shore stations. Attwood hawse pipes reduce deck and rope chafing when attaching dock lines to cleats. Bow eyes can function as a ski tow when transom-mounted.

## Hooks



189

Links, carabines, and hooks are fundamental in boating, providing security and multi-use functionality.

## Water Ski Hardware



190

Attwood water ski hardware is ideal for PWCs, I/Os, and inboard ski boats. Constructed of 304 stainless steel for corrosion resistance, smoothed and highly polished for a clean design.



# HARDWARE

## Bimini Style Convertible Top Accessories



192

For a complete support system, our bimini top fittings offer substantial protection and security.

## Hinges



193

Attwood hinges provide the support and stability needed for a smooth operation of your vessel.

## Hatch & Door Hardware



195

Secure locking closures stabilize gates, lids, doors, compartments, and hatches to prevent inward swinging.

## Hand Rails & Handles



197

Streamlined, strong, and shaped to fit on runabouts, fishing boats, jet boats, and RVs.

## Gas Springs & Mounting Brackets



198

Attwood offers a wide selection of gas springs, made with bio-degradable no hazard to water grade oil, making them the marine industry's most environmentally friendly gas springs.

# Cleats

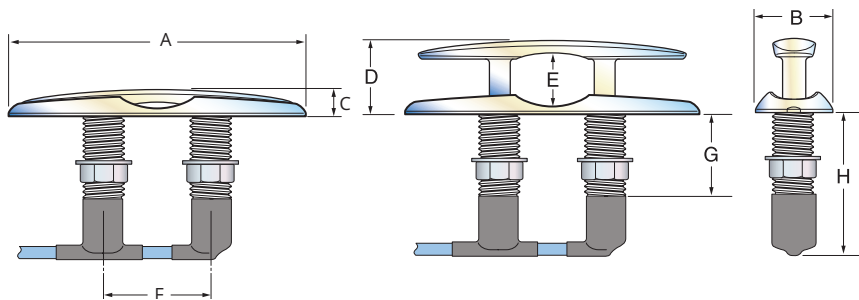
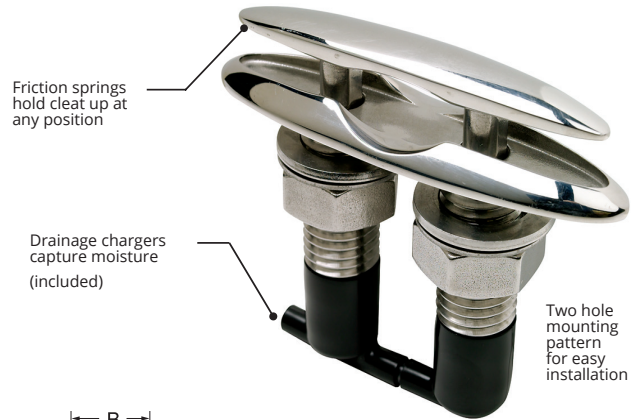


## Neat Cleat

The Neat Cleat design offers what you've been asking for — a retractable cleat with a thin profile that installs easily on narrow gunwales.

- Beautiful, strong and durable – each stanchion is a 7/8" rod of solid Enhanced 316 Stainless Steel alloy
- Cleats stay up when pulled
- Backed by a lifetime warranty against corrosion

Installation is simple and quick – just drill twice with an appropriate size hole saw. Drainage chargers (included) capture moisture and send it to the bilge via pitot tubing (not included). Attwood recommends using only stainless steel fasteners for stainless steel hardware.



A	B	C	D	E	F	G	H	Installation			
Total Length	Total Width	Above Deck Lowered	Above Deck Raised	Line Opening	Between Stanchions	Thread Length	Install. Depth	Hole Saw Size	Max. Hull Thickness	OEM Part #	Part #
4-1/2"	1-5/16"	1/2"	1-5/8"	1-1/4"	1-3/4"	1-3/4"	3-1/8"	1"	1"	66515-1	66515-7
6"	1-1/2"	1/2"	1-5/8"	1-1/4"	2-1/4"	1-3/4"	3-1/8"	1"	1"	66517-1	66517-7
8"	1-15/16"	3/4"	2"	1-3/8"	2-13/16"	2-1/4"	3-3/4"	1"	1-1/2"	66519-1	—
10"	2-7/16"	13/16"	2-5/8"	1-5/8"	3-1/2"	2-7/8"	5-1/4"	1"	1-1/2"	66538-1	—

## Neat Cleat Accessories

Description	OEM Part #	Part #
<b>Backing Plates</b>		
For 4-1/2" Neat Cleat	66529-1	—
For 6" Neat Cleat or Combo Cleat	66531-1	—
For 8" Neat Cleat or Combo Cleat	66533-1	—
<b>Spacers</b>		
For 6" Neat Cleat or Combo Cleat	66617-1	—

For our Stainless Steel Thru-Hulls and Scuppers see Pages 26-27.

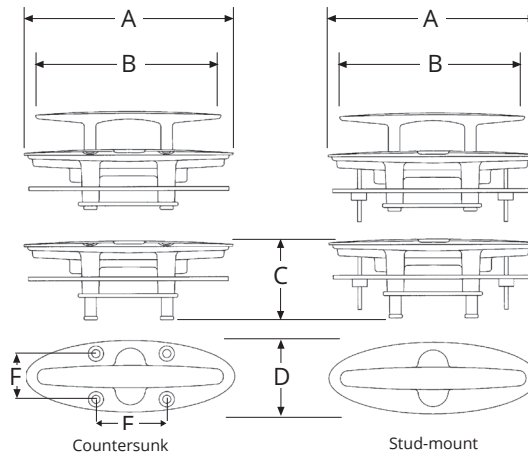


### Flush Cleats

This cleat recesses flush to the deck for a clean, contemporary look at an affordable price. Two mounting styles include an exclusive stud-mounted cleat (patented). Water-resistant cleat recesses into cast body, and is captured with lubricated seals. Durable, enhanced cast 316 Stainless Steel construction and simple design assures long-life and dependable operation.

### Easy Installation

- Includes backing plate
- Enhanced 316 Stainless Steel Alloy



**LIFETIME WARRANTY**



Description	A	B	C	D	E	F	Fastener Quantity	OEM Part #	Part #
<b>Countersunk*</b>									
4-1/2" Cleat	5-1/4"	4-1/2"	3-1/8"	2"	1-5/8"	1-7/16"	(4) #10	66510-1	66510-7
6" Cleat	7"	6"	3-1/3"	2"	1-7/8"	1-21/32"	(4) 1/4"	66514-1	66514-7
8" Cleat	8-1/2"	7-3/4"	3-7/8"	2-13/16"	3-1/2"	2-1/8"	(4) 1/4"	66522-1	—
<b>Stud-Mount*</b>									
4-1/2" Cleat	5-1/4"	4-1/2"	3-1/8"	2"	—	—	—	66512-1	—
6" Cleat	7"	6"	3-1/3"	2-3/8"	—	—	—	66516-1	66516-7
8" Cleat	8-1/2"	7-3/4"	3-7/8"	2-13/16"	—	—	—	66524-1	—

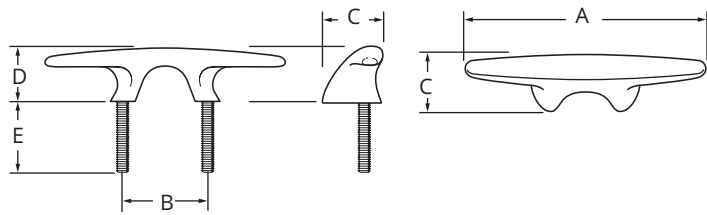
\* Countersunk models: Fasteners not included. Stud mount: Fasteners are included.



## Whitley Cleats

The innovative Whitley Cleat is an Attwood exclusive! The unique, offset design is inspired by contemporary Euro styles. Yet, for all its good looks, this sturdy cleat exceeds ABYC strength standards!

- Polished stainless finish provides an attractive, premium appearance for the finest boats
- Alloy is certified Enhanced 316 Stainless Steel. Acid and rinsing baths remove surface contaminants and produce a mirror-finish hydrous oxide film. Backed by a Lifetime Warranty against corrosion
- Stud mounting leaves no exposed fasteners to collect water or dirt
- Stainless steel locking nuts and washers are supplied to fit the concealed stainless steel studs

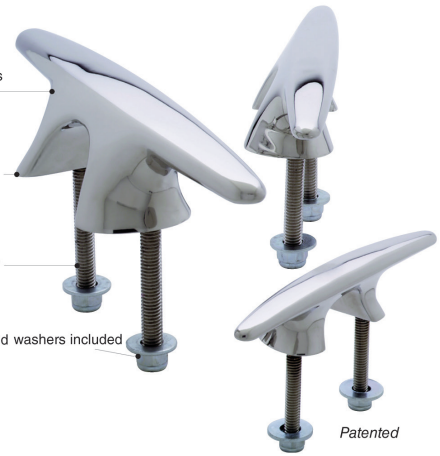


Cantilevered offset profile follows contour of contemporary hulls

Oversized stanchions for sturdy appearance and performance

Stud diameters range from 5/16" to 7/16"

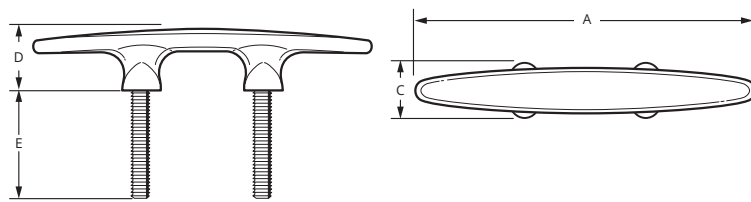
Stainless steel locking nuts and washers included



Description	A	B	C	D	E	Stud Size	OEM Part #	Part #
6-1/2" long	6-1/2"	2-13/16"	1-1/2"	1-1/2"	2"	5/16" x 18	66062-1	—
8-1/2" long	8-1/2"	2-15/16"	2"	1-7/8"	2-1/2"	3/8" x 16	66063-1	—
10-1/2" long	10-1/2"	3-3/16"	2-15/16"	2-3/16"	3"	7/16" x 14	66064-1	—

## Contemporary Cleats

These beautiful cleats have a modern look and are priced to compete. The clean lines and well-defined surfaces are in tune with styling of today's boats. Thick stanchions offer hearty appearance and performance. Enhanced 316 Stainless Steel alloy. Guaranteed for life. Stainless locking nuts and washers included.



Description	A	B	C	D	E	Stud Size	OEM Part #	Part #
6" long	6"	2-1/4"	1"	1-3/16"	2"	5/16" x 18	66054-1	—
8" long	8"	2-13/16"	1-15/16"	1-3/8"	2-1/2"	7/16" x 14	66055-1	—
10" long	10"	3-5/8"	1-11/16"	1-13/16"	3"	7/16" x 14	66056-1	—

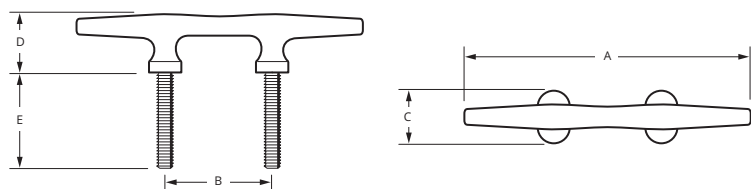


66054



## Stud Mount Herreshoff Cleat

This cleat features the classic look of a traditional Herreshoff design plus all the advantages of a stud mount installation. Enhanced 316 Stainless Steel alloy. Guaranteed for life. Stainless locking nuts and washers included.



Description	A	B	C	D	E	Stud Size	OEM Part #	Part #
4" long	4"	1-3/16"	9/16"	1"	1-1/4"	1/4" x 20	66334-1	—
6" long	6"	2-1/4"	7/8"	1-1/4"	1-3/4"	5/16" x 20	66335-1	—
8" long	8"	2-7/8"	1-3/16"	1-1/2"	2"	5/16" x 20	66336-1	—

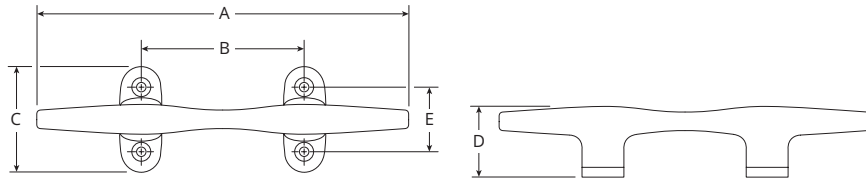


66336



### Herreshoff Cleats

Classic Herreshoff style cleat provides traditional styling, easy line tie-off, and corrosionresistance. Made of Enhanced 316 Stainless Steel alloy. Four holes for required fasteners.

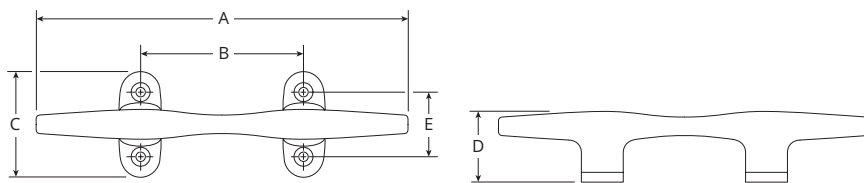


66398

Description	A	B	C	D	E	Fastener Quantity	OEM Part #	Part #
5" long	5"	2-9/64"	1-1/2"	1-1/8"	1"	(4) #10	66398-1	—
6" long	6"	2-1/4"	1-7/8"	1-1/4"	1-9/64"	(4) 1/4"	66009-1	66009L6
8" long	8"	2-27/32"	2-3/16"	1-1/2"	1-11/32"	(4) 1/4"	66010-1	66010L3
10" long	10"	3-3/4"	2-11/16"	1-7/8"	11-1/16"	(4) 5/16"	66011-1	66011-3
12" long	12"	3-7/8"	2-3/4"	2-3/16"	1-15/16"	(4) 5/16"	66012-1	—

### Heavy-Duty Herreshoff Cleats

This heavy-duty Herreshoff is a wider, taller, and heavier version of the standard Herreshoff cleat. Made of Enhanced 316 Stainless Steel alloy. Four holes for required fasteners.

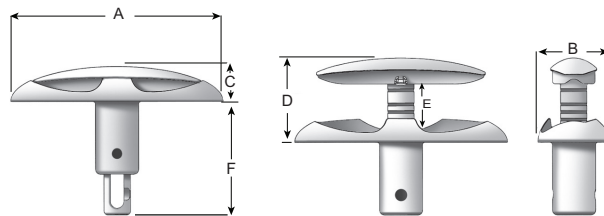


66110

Description	A	B	C	D	E	Fastener Quantity	OEM Part #	Part #
8" long	8"	2-9/64"	1-1/2"	1-1/8"	1"	(4) #10	66110-1	66110-3
10" long	10"	2-1/4"	1-7/8"	1-1/4"	1-9/64"	(4) 1/4"	66111-1	66111-3
12" long	12"	2-27/32"	2-3/16"	1-1/2"	1-11/32"	(4) 1/4"	66112-1	—

### Fender Cleat

Stainless steel. Easily secure fenders to your boat with a simple lift of this retractable cleat. Durable, enhanced cast 316 Stainless Steel construction and simple design assures longlife and dependable operation. Small 3-1/2" design.



66502

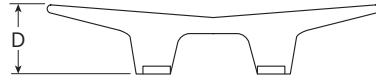
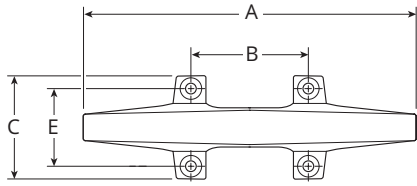


A	B	C	D	E	F	Hole Distance	OEM Part #	Part #
Total Length	Total Width	Above Deck Lowered	Above Deck Raised	Max. Line Opening	Install. Depth	1-11/16"	66502-1	—
3-1/2"	1-3/16"	9/16"	1-3/8"	3/4"	1-7/8"			

(Not for use for mooring, towing or lifting.)

### Chrome-Plated Zinc Cleats

These studded cleats have a modern look and are priced to compete. The clean lines and well-defined surfaces are in tune with styling of today's boats. Thick stanchions offer hearty appearance and performance.

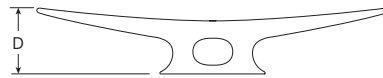
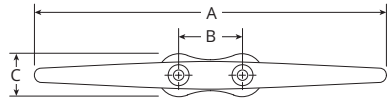


12022

Description	A	B	C	D	E	Fastener Quantity	OEM Part #	Part #
4-1/2" long	4-1/2"	1-11/16"	1-5/8"	1-1/16"	1-3/16"	(4) #8	6244-1	6244-6, pair
6" long	6"	2-7/32"	2-3/32"	1-11/32"	1-1/2"	(4) #10	6245-1	12009-3 6245-6, pair

### Cast Aluminum Cleats

Cast aluminum cleats, available in 4 popular sizes. Ideal for small boats and docks. Two holes for required fasteners.

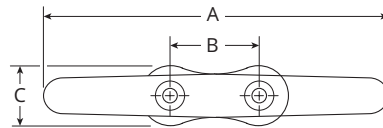
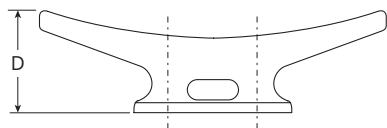


12120

Description	A	B	C	D	Fastener Quantity	OEM Part #	Part #
4-1/2" long, closed base	4-1/2"	2-7/32"	3/4"	1-1/2"	(2) 1/4"	12120-1	12121-3
6" long, closed base	6"	1-3/8"	7/8"	1-13/32"	(2) 1/4"	12124-1	12125-3
8" long, open base	8"	1-1/2"	1-1/16"	1-3/4"	(2) 1/4"	12126-1	12127-3

### Cast Iron Cleats

Cast iron dock cleat with galvanized finish, available in 2 popular sizes. Two holes for required fasteners.

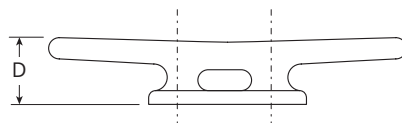
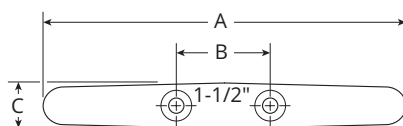


12100

Description	A	B	C	D	Fastener Quantity	OEM Part #	Part #
6" long	6"	1-3/8"	7/8"	1-3/16"	(2) 1/4"	—	12100L3
8" long	8"	1-7/8"	1-1/8"	1-5/8"	(2) 3/8"	12102-1	12102L3

### Nylon Cleats

Corrosion-resistant light weight cleats. Two holes for required fasteners.



12110

Description	A	B	C	D	Fastener Quantity	OEM Part #	Part #
5" long	5-1/16"	1-29/64"	23/32"	1-1/64"	(2) #12	12110-1	12111L3
6-1/2" long	6-13/32"	1-21/32"	13/16"	1-7/32"	(2) #12	12112-1	12113L3
8" long	7-15/16"	1-51/64"	15/16"	1-3/8"	(2) 1/4"	12114-1	12115L3

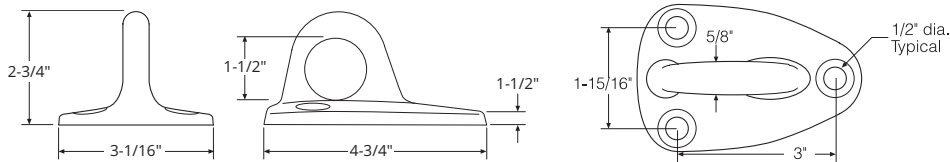
# Lift Rings



## Stainless Steel Lift Ring

Attwood's stern-mounted lift ring provides heavy-duty strength for boats lifted by davits, cranes or shore stations. Lifts a maximum vertical load of 12,000 lbs. Installs with 1/2" countersunk stainless steel screws and washers, which must be through-bolted with locking washers or locking nuts.

*Warning: Lift rings are designed to lift a boat only when fastened to the boat structure. The maximum lifting load figures listed were determined by applying a test load in the direction of the eye shank axis, with the shank fixed in an immovable testing device. Listed lifting loads are for reference only.*

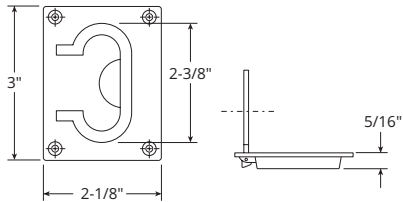


66120

Description	OEM Part #	Part #
Stainless steel lift ring	66120-1	—

## Large Flush Lift Ring, Brass

Large lifting ring allows a full grip. Provides strength for lifting large and heavy hatch covers. Flush appearance, neatly recessed for safety. Chrome-plated brass. Pre-drilled with four holes for #6 fasteners.



3325

Description	Flange Size	Handle Size	Fastener Quantity	OEM Part #	Part #
Brass	3" L x 2-1/4" W	2" L x 3/4" I.D. ring	(4) #6	—	3325-3

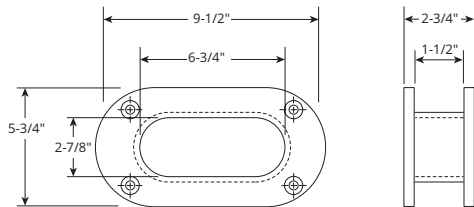
# Hawse Pipes & Bow Eyes



Enhanced 316 Stainless Steel alloy Hawse Pipes reduce deck and rope chafing when attaching dock lines to cleats mounted inside the cockpit. Available in a variety of shapes and sizes for different installation locations.

## Double-Sided Oval Hawse Pipe

Enhanced 316 Stainless Steel alloy Hawse Pipe. Two-piece construction provides a finished appearance for cock-pit and gunwale installation. For 1-1/2" minimum deck thickness.

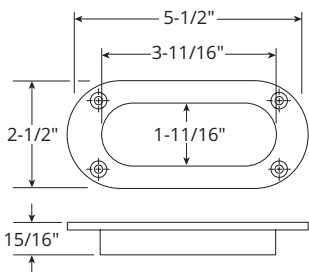


66224

Description	Fastener Quantity	OEM Part #	Part #
Opening Size: 6-3/4" L x 2-7/8" W	(4) #10	66224-1	—

## Oval Hawse Pipes

Our most popular-sized Hawse Pipes. Available in two opening and flange sizes to fit your installation. Four holes for required #10 fasteners. Enhanced 316 Stainless Steel alloy.

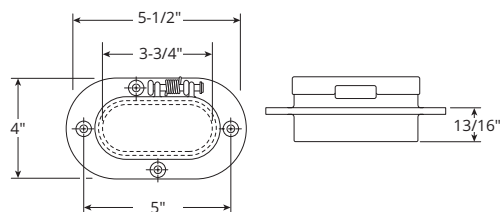


66223

Description	Fastener Quantity	OEM Part #	Part #
Opening Size: 3-11/16" L x 1-11/16" W	(4) #10	66223-1	66223-3

## Rope/Deck Pipe

Use as an access lid to anchor chain and rope storage lockers. Cover is hinged and spring-loaded to stay shut without rattling. Cover can be locked in open position. Enhanced 316 Stainless Steel alloy.



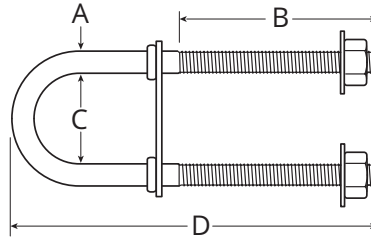
66008

Description	Installation Hole Size	Fastener Quantity	OEM Part #	Part #
Opening Size: 3-3/4" x 2-3/8"	4-1/8" long x 2-3/4" oval	(4) #10	66008-1	—

### Bow Eyes, Stainless Steel

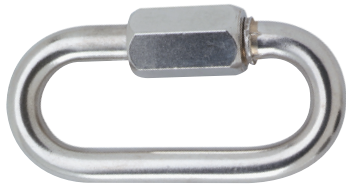
Bow eyes have twin shanks to prevent twisting. These rugged bow eyes, when transom-mounted can function as a ski tow.

Not to be used for lifting.



A	B	C	D	Face Plate Dimensions	Pull Strength (lbs.)	OEM Part #	Part #
<b>With Plated Nuts and Washers</b>							
5/16"-dia.	3/8"-16 x 2-7/16"	1-1/16"	4-3/8"	2-1/2" x 9/16"	6,000	3396-1	3396-3
7/16"-dia.	1/2"-13 x 3-1/4"	1-9/16"	5-5/8"	2-3/4" x 3/4"	12,000	3392-1	3392-3
<b>With Stainless Steel Nuts and Washers</b>							
5/16"-dia.	3/8"-16 x 2-7/16"	1-1/16"	4-3/8"	2-1/2" x 9/16"	6,000	66263-1	—
7/16"-dia.	1/2"-13 x 3-1/4"	1-9/16"	5-5/8"	2-3/4" x 3/4"	12,000	66261-1	66261L3
7/16"-dia.	1/2"-13 x 3-1/4"	1-9/16"	5-5/8"	3-1/2" x 1-3/4"	12,000	66262-1	—

### Hooks



12891



12415

### Chain Link

For easy connection of anchor rope thimbles to anchor chain. Available in rugged stainless steel or zinc-plated steel construction material.

Description	Diameter	Length	Maximum Safe Load ∇	OEM Part #	Part #
Stainless Steel	5/16"	2-7/8"	3,000 lbs.	—	12891L3
Zinc-Plated Steel	7/32"	2-1/4"	1,000 lbs.	—	12355-3
	5/16"	3"	2,000 lbs.	—	12357-3

### Marine Carabiner

Spring-loaded closure.

Description	Length	Ring Diameter	Maximum Safe Load ∇	OEM Part #	Part #
Stainless Steel	2-1/2"	1/4"	350 lbs.	12412-1	—
	3-1/8"	5/16"	575 lbs.	—	12415L3
Zinc-Plated Steel	2-1/2"	1/4"	300 lbs.	—	12303-3
	3-1/2"	3/8"	600 lbs.	—	12305-3
	3-1/8"	5/16"	700 lbs.	—	7651-3



7653

7640

### Utility Snap Hook

Zinc-plated steel with spring-loaded closures.

Description	Length	Ring Diameter	Maximum Safe Load ∇	OEM Part #	Part #
Light-duty	4"	1/4"	500 lbs.	—	7653L3
Heavy-duty	4"	5/8"	2,500 lbs.	—	7640-3



9146

### Clamp-On Oarlocks

Zinc-plated steel resists rust. Oarlock fastens securely to oar with one adjustable bolt, no drilling required.

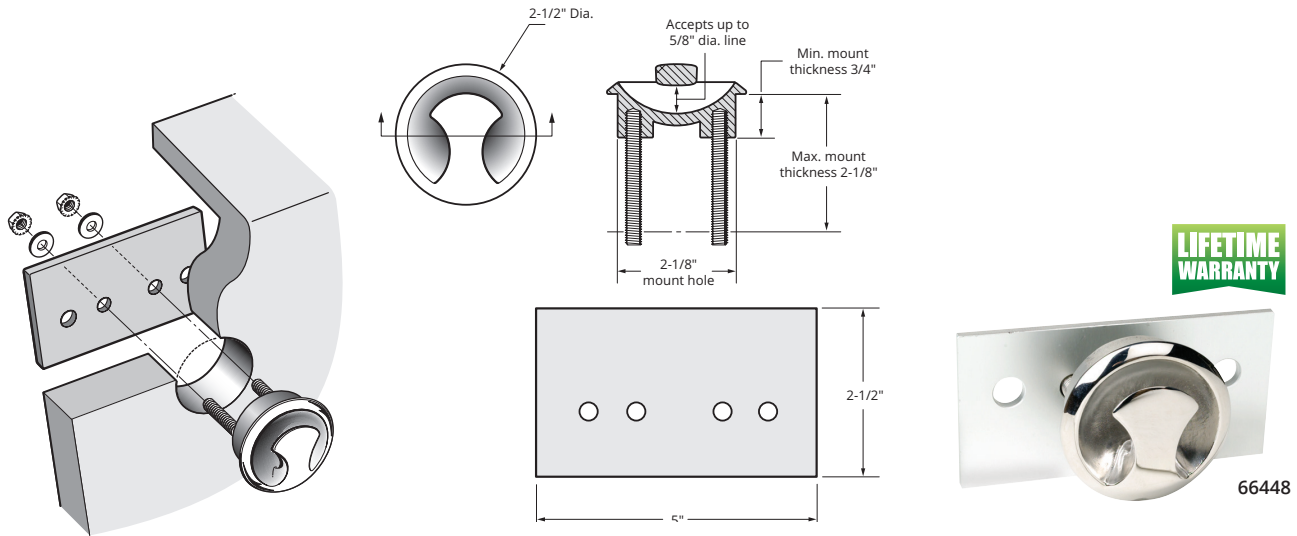
Description	OEM Part #	Part #
Shank 1/2"-dia. x 2"	—	9146-3

∇ Maximum safe load is approximately half of maximum load or break strength. Do not exceed maximum safe load. Do not use in applications where life or limb is at risk.

# Water Ski Hardware

## Flush Mount Ski Tow

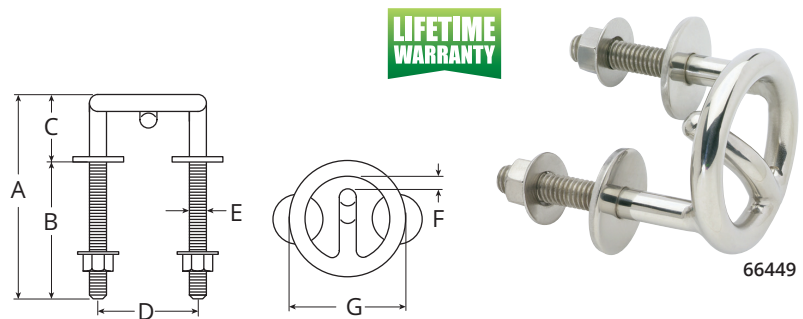
This Enhanced 316 Stainless Steel alloy Ski Tow mounts flush to the transom and has no exposed fasteners. Offers a clean look and prevents snags. The elliptical hook accepts up to 5/8" tow line, but rises only 1/2" outward and blends perfectly with the circular body. Easy to install by drilling one 2-1/8" diameter hole with a hole saw. The wide flange covers a bead of sealant and large aluminum backing plate provides solid holding. Backing plate and stainless locking nuts included. Exceeds American Water Ski Association standards for strength. Patented. Backed by a limited lifetime warranty against corrosion.



Description	OEM Part #	Part #
Stainless Ski Tow with 2-1/2" x 5" backing plate	66448-1	—

## Ski Tows

Constructed of 304 Stainless Steel for corrosion-resistance, these tows are ideal for PWC's, I/O's, and inboard ski boats. All welded seams are smoothed and the surface has a highly polished finish. Stainless steel mounting washers and nuts included. A wide, welded-on mounting ring meets the hull so no exterior mounting plate is needed. Exceeds American Water Ski Association standards.



Ring Diameter	A	B	C	D	E	F	G	OEM Part #	Part #
2-1/2", short shank	2-7/8"	1-1/2"	1-5/16"	2-1/8"	3/8"	3/8"	2-1/2"	66449-1	—

## Ski Pylons

### The Attwood Difference

- Our heavy duty tow products will pull you anywhere you want to go
- We offer a wide range of configurations for swivel heads, posts, and bases
- Our towing products offer advanced features for durability and quality performance
- The Pro-Swivel has a 360° rotational head with a nylon bushing for smooth slalom pulling

**DO NOT use Ski Pylons to pull any recreational equipment that is tied to the tow rope such as water tubes, aquaplanes, wakeboards, etc.**



Description	Post Dia.	Post Height	Post Base	Arm Dia.	Arm Length	Arm Base	OEM Part #	Part #
<b>Fixed Height</b>								
Stainless Steel	1-1/4"	36"	2' x 4" Below Deck	1"	33"-56"	Perm. Thru Deck	9436-S	—
	1-1/4"	43"	2' x 4" Below Deck	1"	33"-56"	Perm. Thru Deck	9433-S	—
	2"	45"	6" Dia. SS	1"	33"-56"	Rem. Clev. Pin	923-009	—
	1-1/2"	23"	2' x 4" SS Base	1"	33"-56"	Rem. Clev. Pin	922-ADJ-S	—
		29"	3/4" Pin Base	1"	33"-56"	Rem. Clev. Pin	903-008-T-S	—
		45"	6" Dia. SS	1"	33"-56"	Rem. Clev. Pin	903-009-S	—
<b>Adjustable Height</b>								
Stainless Steel	2"	34"-58"	6" Dia. SS	1"	33"-56"	Rem. Clev. Pin	923-009-ADJ	SP-923-009-ADJ
	1"	28"-33"	Nylon Flush Mount	1"	33"-56"	Nylon Flush Mount	96008	SP-96008
		35"-52"	Nylon Flush Mount	1"	33"-56"	Nylon Flush Mount	—	SP-96009

## Ski Pylon Replacement Parts

Description	OEM Part #	Part #
Threaded Base, Polished Stainless Steel, 6" Diameter	—	952
Deck Clevis, Set	—	SP-910



Stainless Steel Base  
952



Deck Clevis Set  
SP-910

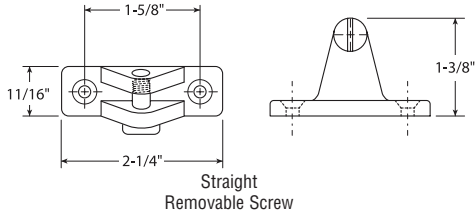
# Bimini Style Convertible Top Accessories

## Deck Hinges

These deck hinges feature a flat base for deck mounting and have two holes for #10 fasteners. Enhanced 316 Stainless Steel alloy for corrosion-resistant support system of bimini tops. Stainless steel pin is springloaded for easy top removal.



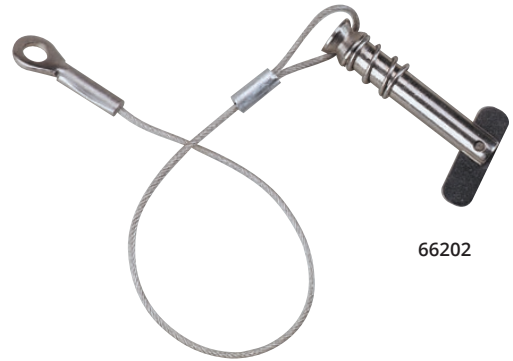
66104



Description	Base Dimensions	Fastens to Bimini Bow Top Cap with:	OEM Part #	Part #
Straight base	2-1/4" x 11/16"	1/4"-20 removable screw	66104-1	—

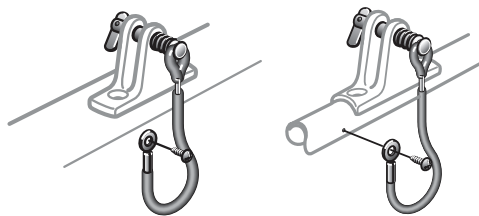
## Tethered 1/4" Spring-Loaded Clevis Pin

For use with Attwood deck or rail mounted bimini top hinge fittings that use removable 1/4" spring-loaded clevis pins. This handy 1/4" spring-loaded clevis pin with lanyard allows the pin to be tethered to prevent loss of the pin when removed from the bimini top deck or rail hinge fitting.



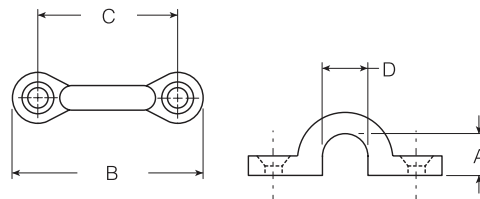
66202

Description	Use With Attwood Deck or Rail Hinge	OEM Part #	Part #
Removeable tethered 1/4" Spring-loaded clevis pin	66160, 66200 66220, 66383	—	66202-3



## Eye Straps

All eye straps are pre-drilled with two mounting holes.



Description	A	B	C	D	Fastener Quantity	OEM Part #	Part #
Cast Stainless Steel	3/8"-diameter	1-7/8" long	1-3/8"	1/2"	#10 fasteners (2)	66105-1	—
Chromed bronze	5/16"-diameter,	1-7/8" long	1-3/8"	1/2"	#10 fasteners (2)	12988-1	—

# Hinges

## Cast Stainless Steel Hinges

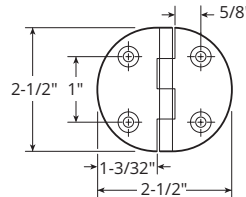
These hinges are cast from enhanced 316 stainless steel. They combine a great eurostyle look with a polished finish. Available in stud or countersunk mounting styles, these hinges look attractive on any vessel! Hinges are mirror polished to the highest specification in the industry and passivated to enhance surface finish and corrosion-resistance. The hinge pin design allows lid to open a full 180°.



### Round Hinge, Cast Stainless Steel

Smooth, full round plate design.

Description	Fastener Quantity	OEM Part #	Part #
Counter-sunk	#12 fasteners (4)	66240-1	—



66240

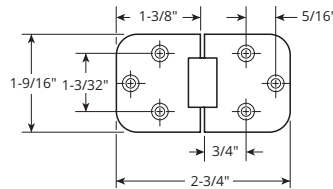
### Flush Hinges

The unique double stud design of these hinges allows for a flush installation while still providing a full 180° swing. This makes them the perfect hinge for lazzerette or fish box covers in the cockpit sole.

### Flush Hinge, Square End, Stamped Stainless Steel

Square end 2-pin hinge with radiused corners. Six holes for required fasteners. Made of solid stamped stainless steel to provide years of maintenance free service.

Description	Fastener Quantity	OEM Part #	Part #
Counter-sunk	#8 fasteners (6)	66239-1	66239-3

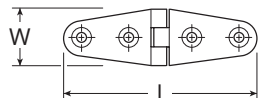


66239

### Strap Hinges, Cast Stainless Steel

Durable stainless steel strap hinges, available in standard or reverse strap styles.

Description	Strap Type	Dimensions	Fastener Quantity	OEM Part #	Part #
Four holes	Standard	4" W x 1" L	#10 screws	66025-1	—
	Reversed	4-1/8" W x 1-1/16" W	#10 screws	66434-1	—



66025



66434

### Butt Hinge, Stainless Steel

Strap hinge design with rounded ends.

Description	Fastener Quantity	Dimensions	OEM Part #	Part #
Cast Stainless Steel	#10 fasteners (4)	1-1/2" x 1-1/2"	66163-1	—



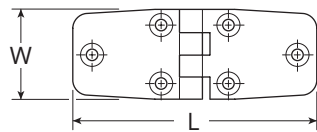
66163

### Door Hinges, Stainless Steel

Durable cast stainless steel door hinges, available in a variety of lengths. Pair included.

Description	Dimensions	Fastener Quantity ∞	OEM Part #	Part #
Six holes	3" L x 1-1/2" W	#10 fasteners	66028-1	—
	4" L x 1-1/2" W	#10 fasteners	66029-1	66029-3

∞Pin on top



66028

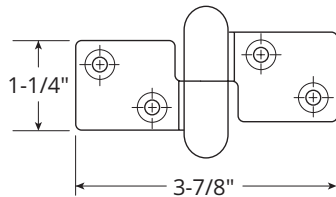


66029

### Take-Apart Motor Box Hinge, Non-Locking

For use on motor box or hatch cover. Take apart feature allows removal of cover for engine service or bilge access.

Description	Open Size	Fastener Quantity	OEM Part #	Part #
Brass	4" x 2"	#10 fasteners (4)	1329-1	—



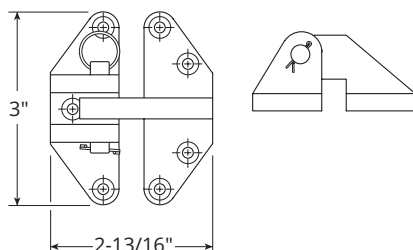
1329

### Hatch Hinges

For use on flush hatch covers to prevent cover from folding all the way backward. Cover remains upright when open. Hatch hinges feature a quick-release pin with safety ring so hatch can be completely removed without unscrewing the base.

### Hatch Hinge, Stainless Steel

Description	Open Size	Fastener Quantity	OEM Part #	Part #
Cast Stainless Steel	3-1/2" x 1-3/8"	#10 fasteners (4)	66027-1	66027-3



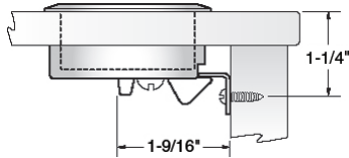
66027

# Hatch & Door Hardware

## Slam Latches

Round slam latches fits up to 7/8" door thickness. Made of UV stable and corrosion resistant materials. Include stainless steel mounting hardware.

Description	OEM Part #	Part #
Stainless Steel	66832-1	—



66832

## Pontoon Replacement Latch

This durable lock set is a complete replacement kit for your pontoon's gate latch. Universal sizing fits square frames of 1", 1-1/8", and 1-1/4" on both left and right hinged gates. Secure closure stabilizes gate and prevents inward swinging. Includes mounting hardware for quick and easy installation.

Description	OEM Part #	Part #
Universal Replacement Gate Latch	8-1/2" x 9-1/2" x 5-1/2"	— 11404-6



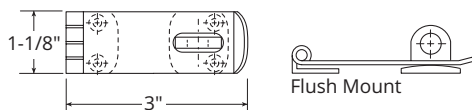
11404

## Swivel Hasps, Stainless Steel

For storage compartments that need to be securely locked. Ideal for lockers, cupboards, chests, and hatch doors.

Accommodates padlocks with 1/4" dia. or smaller shackle. Swivel eye turns to secure the hasp and keep the compartment shut, even without use of a padlock. Stamped stainless steel construction with chrome finish.

Description	Closed Size	Fastener Quantity	OEM Part #	Part #
Flush mount	3" x 1-1/8"	#8 fasteners (4)	66423-1	—

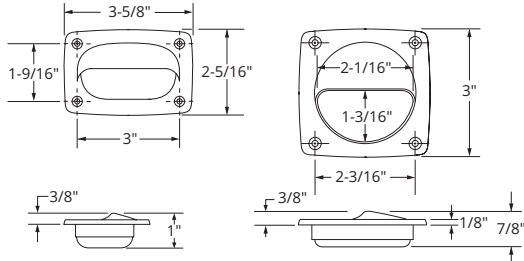


66423

### Flush Hatch Pulls

The new low profile flush hatch pull is an easy access handle for installation in lids, doors, compartments, and hatches. Handle is easy to grip, even with gloved hands. Made of glass filled propylene with black textured finish.

Description	Fastener Quantity	OEM Part #	Part #
Rectangular	#6 fasteners (4)	2027-1	2027-7
Round	#6 fasteners (4)	2028-1	—



### Deck Plate/Inspection Port

For inspection and general access to valves and deck vents. Easy opening, screw-out design—no tools required. High impact ABS plastic with textured surface. Durable, rugged, weather-resistant. Flange is pre-drilled with six holes.

Description	Color	Fastener Quantity	OEM Part #	Part #
4"-dia.	White	#8 fasteners (6)	12790-1	12790-3
	Black	#8 fasteners (6)	12791-1	—
6"-dia.	White	#8 fasteners (6)	12792-1	—
8"-dia.	White	#8 fasteners (6)	12794-1	—



### Hatch Lift Spring, Stainless Steel

Deflecting spring holds hatch or motor box open, bends to close. Stainless steel, flush mounting.

Description	Fastener Quantity	OEM Part #	Part #
7/16"-dia. x 8-3/4"	#8 fasteners (2)	12460-1	12461-3

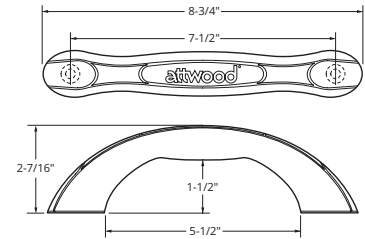
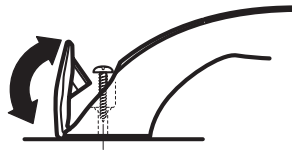


# Handles & Hand Rails

## Vinyl Grab Handles

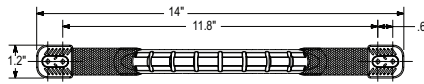
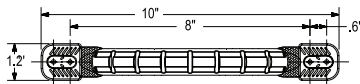
Streamlined with a molded, hinged, built-in fastener cover system, an Attwood exclusive. A unique, grab handle that looks and works great on runabouts, fishing boats, jet boats, and RV's. Clean styling, shaped to fit your hand for a secure grip. This one-piece design eliminates the problem of loose caps which pop off over time and become lost. The covers are hinged on the base of the handle and are pushed closed after securing the mounting fasteners. Strong, polypropylene inner core with a molded vinyl cover withstands harsh marine environments. Install via thru-bolting or wood screws.

Color	Fastener Quantity	OEM Part #	Part #
White	#12 fasteners (2)	2050-1	2050-5
Gray	#12 fasteners (2)	2053-1	2053-5
Black	#12 fasteners (2)	2054-1	2054-5



## Flexible Grab Handles

Flexible grab handles for flush, flexible mounting. They can be mounted to a variety of irregular surfaces and angles on swim platforms, cockpits and companionways. Constructed from soft polypropylene webbing over a semi-rigid core. Available with or without an over-molded grip. Because of the soft, pliable webbing in these handles and the absence of any sharp edges, they are safe in areas where occupants might impact them. They meet the ABYC H-41 standard for strength: "withstand a load of 400 lbs. in any direction." All materials are non-corrosive, UV stable and mildew-resistant.



2061



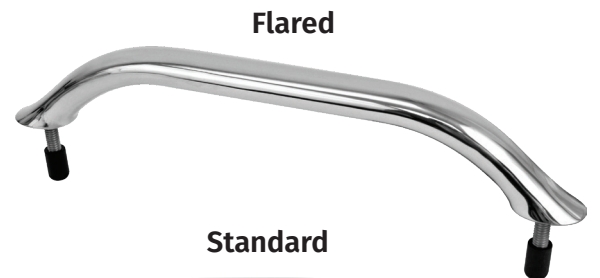
2080

Description	Fastener Quantity	OEM Part #	Part #
Flexible grab handle w/over-molded grip	#12 fasteners (4)	2061-1	2061-5
Flexible grab handle w/over-molded grip, extended	#12 fasteners (4)	2080-1	—

## Handrails, Stainless Steel

Exceed all ABYC H-41 requirements for Hand Rails. Standard and Flared configurations available.

Description	Length	OEM Part #	Part #
Flared	12"	66HRD12-1	—
Standard	9"	66HR09-1	—



Flared

66HRD12



Standard

66HR09

# Gas Springs & Accessories

Attwood is partnered with Stabilus®, the world’s leading supplier of gas springs and related products with over 100,000,000 units in the field. All Attwood springs are made with bio-degradable no hazard to water grade oil (WGK), making them the marine industry’s most environmentally friendly gas springs. Attwood springs come with support to ensure the proper spring for your specific application, including: marine, industrial, agricultural, pharmaceutical, food processing, and medical. Available in 6mm, 8mm and 10mm configurations between 10–200 lbs.

## Ni-Slide Series

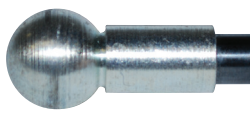
Attwood’s widest selection of configurations and lengths. The industry’s proven leader in value, quality and durability.

## Stainless Steel Series

Attwood INOX Stainless Steel Series. Stainless steel shell and rod ensure corrosion-resistance and up to 30% lower cost than traditional stainless springs. All stainless steel series springs come with high-strength, corrosion-proof composite end fittings.



All Composite End Fitting (10mm)



Ball Socket End Fitting (13mm)



Blade End Fitting (6.3mm & 10mm Diameter)

				OEM			Aftermarket		
Length (inches)				Output Force	Ni-Slide Series	Stainless Standard Series		Steel	Stainless Steel
Extend	Comp	Stroke	End Fitting Type		Steel	Stainless Steel	SS with metal end with clips		
<b>6 x 15 - 6MM ROD x 15MM CYLINDER</b>									
6.50	4.90	1.60	6.3mm Dia. Blade	10	SL4-10-1				
				20	SL4-20-1				
				30	SL4-30-1				
				40	SL4-40-1				
				50	SL4-50-1				
				60	SL4-60-1				
7.50	5.25	2.25	10mm Socket	10	SL11-10-1	ST11-10-1			
				20	SL11-20-1	ST11-20-1			
				30	SL11-30-1	ST11-30-1			
				40	SL11-40-1	ST11-40-1			
				50	SL11-50-1	ST11-50-1			
				60	SL11-60-1	ST11-60-1			
				110	SL11-110-1				
				120	SL11-120-1				
10.00	7.00	3.00	10mm Socket	10	SL10-10-1	ST10-10-1		SL10-40-5	ST10-10-5
				20	SL10-20-1	ST10-20-1			ST10-20-5
				30	SL10-30-1	ST10-30-1			ST10-30-5
				40	SL10-40-1	ST10-40-1			ST10-40-5
				50	SL10-50-1	ST10-50-1			
				60	SL10-60-1	ST10-60-1			ST10-60-5
12.04	8.46	3.58	10mm Socket	10	SL15-10-1	ST15-10-1			
				20	SL15-20-1	ST15-20-1			
				30	SL15-30-1				
				40	SL15-40-1	ST15-40-1			
				50	SL15-50-1				
				60	SL15-60-1				
15.00	9.50	5.50	10mm Socket	10	SL13-10-1				ST13-10-5
				20	SL13-20-1	ST13-20-1		SL13-20-5	ST13-20-5
				30	SL13-30-1	ST13-30-1			ST13-30-5
				40	SL13-40-1	ST13-40-1			ST13-40-5
				50	SL13-50-1				
				60	SL13-60-1	ST13-60-1		SL13-60-5	ST13-60-5
				70	SL13-70-1	ST13-70-1			
17.20	10.20	7.00	10mm Socket	10	SL16-10-1				
				20	SL16-20-1				
				30	SL16-30-1			SL16-30-5	
				40	SL16-40-1				
				50	SL16-50-1				
				60	SL16-60-1				
				80	SL16-80-1				

Length (inches)				OEM				Aftermarket					
				Output Force	Ni-Slide Series		Stainless Standard Series		Steel	Stainless Steel			
Extend	Comp	Stroke	End Fitting Type		Steel	Stainless Steel	SS with metal end with clips						
20.00	12.00	8.00	10mm Socket	10	SL14-10-1	ST14-10-1			ST14-10-5				
				20	SL14-20-1	ST14-20-1		SL14-20-5	ST14-20-5				
				30	SL14-30-1	ST14-30-1		SL14-30-5	ST14-30-5				
				40	SL14-40-1	ST14-40-1		SL14-40-5	ST14-40-5				
				50	SL14-50-1			SL14-50-5	ST14-50-5				
				60	SL14-60-1	ST14-60-1		SL14-60-5	ST14-60-5				
<b>8 x 18 - 8MM ROD x 18MM CYLINDER</b>													
7.50	5.25	2.25	10mm Socket	20	SL31-20-1			SL31-20-5	ST31-20-5				
				30	SL31-30-1			SL31-30-5	ST31-30-5				
				40	SL31-40-1	ST31-40-1		SL31-40-5	ST31-40-5				
				50					ST31-50-5				
				60	SL31-60-1				ST31-60-5				
				80	SL31-80-1	ST31-80-1							
				120	SL31-120-1								
10.00	7.00	3.00	10mm Dia. Blade	20	SL1-20-1			SL1-20-5					
				40	SL1-40-1			SL1-40-5					
10.00	7.00	3.00	10mm Socket	20	SL30-20-1	ST30-20-1		SL30-20-5	ST30-20-5				
				30	SL30-30-1	ST30-30-1							
				40	SL30-40-1	ST30-40-1		SL30-40-5	ST30-40-5				
				50	SL30-50-1				ST30-50-5				
				60	SL30-60-1	ST30-60-1		SL30-60-5	ST30-60-5				
				70	SL30-70-1								
				80		ST30-80-1			ST30-80-5				
				90	SL30-90-1								
				100	SL30-100-1								
				110									
				120	SL30-120-1								
				10.50	7.50	3.00	10mm Socket	20	SL32-20-1	ST32-20-1		SL32-20-5	ST32-20-5
30	SL32-30-1	ST32-30-1						SL32-30-5	ST32-30-5				
40	SL32-40-1												
50	SL32-50-1	ST32-50-1											
60	SL32-60-1	ST32-60-1							ST32-60-5				
70	SL32-70-1												
80	SL32-80-1												
90		ST32-90-1											
100													
110													
120									ST32-120-5				
12.04	8.46	3.58	10mm Socket					20	SL35-20-1	ST35-20-1		SL35-20-5	ST35-20-5
				30	SL35-30-1	ST35-30-1			ST35-30-5				
				40		ST35-40-1			ST35-40-5				
				50		ST35-50-1			ST35-50-5				
				60		ST35-60-1			ST35-60-5				
				80		ST35-80-1			ST35-80-5				
				110					ST35-110-5				
				120		ST35-120-1							
				15.00	9.50	5.50	10mm Dia. Blade	20	SL2-20-1				
								30	SL2-30-1				
								40	SL2-40-1			SL2-40-5	
								60	SL2-60-1				
80	SL2-80-1												
110	SL2-110-1												
120	SL2-120-1												
15.00	9.50	5.50	10mm Socket					20	SL33-20-1	ST33-20-1		SL33-20-5	ST33-20-5
				30	SL33-30-1	ST33-30-1		SL33-30-5	ST33-30-5				
				40	SL33-40-1	ST33-40-1		SL33-40-5	ST33-40-5				
				50	SL33-50-1	ST33-50-1		SL33-50-5	ST33-50-5				
				60	SL33-60-1	ST33-60-1		SL33-60-5	ST33-60-5				
				70	SL33-70-1				ST33-70-5				
				80	SL33-80-1	ST33-80-1							
				90	SL33-90-1	ST33-90-1			ST33-90-5				
				100	SL33-100-1								
				110	SL33-110-1								
				120	SL33-120-1	ST33-120-1			ST33-120-5				
				150		ST33-150-1							

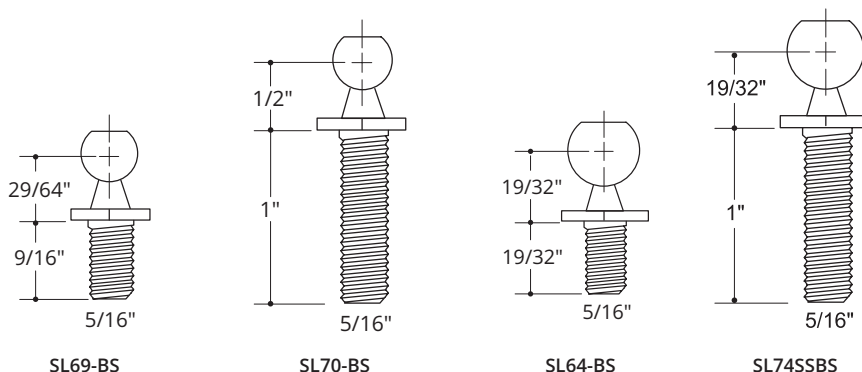
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				OEM				Aftermarket						
Length (inches)				Output Force	Ni-Slide Series		Stainless Standard Series		Steel	Stainless Steel				
Extend	Comp	Stroke	End Fitting Type		Steel	Stainless Steel	SS with metal end with clips							
17.20	10.20	7.00	10mm Socket	20	SL36-20-1	ST36-20-1		SL36-20-5	ST36-20-5					
				30	SL36-30-1	ST36-30-1		SL36-30-5	ST36-30-5					
				40	SL36-40-1	ST36-40-1		SL36-40-5	ST36-40-5					
				50	SL36-50-1	ST36-50-1		SL36-50-5	ST36-50-5					
				60	SL36-60-1	ST36-60-1		SL36-60-5	ST36-60-5					
				70	SL36-70-1	ST36-70-1		SL36-70-5	ST36-70-5					
				80	SL36-80-1	ST36-80-1		SL36-80-5						
				90	SL36-90-1	ST36-90-1		SL36-90-5	ST36-90-5					
				100	SL36-100-1									
				120	SL36-120-1									
				130	SL36-130-1	NEW								
				140	SL36-140-1	NEW								
				150	SL36-150-1	NEW								
				20.00	12.00	8.00	10mm Dia. Blade	20	SL3-20-1					
								30	SL3-30-1					
40	SL3-40-1													
50	SL3-50-1													
60	SL3-60-1							SL3-60-5						
70	SL3-70-1													
90	SL3-90-1													
110	SL3-110-1													
120	SL3-120-1													
20.00	12.00	8.00	10mm Socket					20	SL34-20-1	ST34-20-1		SL34-20-5	ST34-20-5	
								30	SL34-30-1			SL34-30-5	ST34-30-5	
								40	SL34-40-1	ST34-40-1		SL34-40-5	ST34-40-5	
				50	SL34-50-1	ST34-50-1		SL34-50-5	ST34-50-5					
				60	SL34-60-1	ST34-60-1		SL34-60-5	ST34-60-5					
				70	SL34-70-1				ST34-70-5					
				80	SL34-80-1	ST34-80-1		SL34-80-5	ST34-80-5					
				90	SL34-90-1	ST34-90-1		SL34-90-5	ST34-90-5					
				100	SL34-100-1	ST34-100-1								
				120	SL34-120-1	ST34-120-1		SL34-120-5	ST34-120-5					
				140		ST34-140-1								
				150					ST34-150-5					
				23.00	13.12	9.87	10mm Socket	30	SL38-30-1					
								60	SL38-60-1					
								70	SL38-70-1					
80	SL38-80-1													
90	SL38-90-1													
100	SL38-100-1													
120	SL38-120-1													
26.30	16.10	10.20	10mm Socket	20	SL37-20-1									
				30	SL37-30-1	ST37-30-1								
				40	SL37-40-1	ST37-40-1								
				50	SL37-50-1									
				60	SL37-60-1									
				70	SL37-70-1									
				80	SL37-80-1									
				90	SL37-90-1	ST37-90-1								
				100	SL37-100-1	ST37-100-1								
				120	SL37-120-1	ST37-120-1								
				<b>10 x 22 - 10MM ROD x 22MM CYLINDER</b>										
				20.20	12.30	7.90	13mm Socket	30	SL20-30-1		STX20-30-1			
40	SL20-40-1		STX20-40-1											
60	SL20-60-1													
70	SL20-70-1		STX20-70-1											
80			STX20-80-1											
90	SL20-90-1													
100	SL20-100-1													
110	SL20-110-1													
120	SL20-120-1		STX20-120-1											
130			STX20-130-1											
140			STX20-140-1											
150	SL20-150-1		STX20-150-1											
160			STX20-160-1											
180	SL20-180-1		STX20-180-1											
200	SL20-200-1													
			10mm Socket					60		ST20-60-1				
								70		ST20-70-1				
								100		ST20-100-1				
				200		ST20-200-1								

				OEM			Aftermarket						
Length (inches)				Output Force	Ni-Slide Series	Stainless Standard Series		Steel	Stainless Steel				
Extend	Comp	Stroke	End Fitting Type		Steel	Stainless Steel	SS with metal end with clips						
26.30	16.10	10.20	10mm Socket	30	SL25-30-1								
				40	SL25-40-1								
				50	SL25-50-1								
				60	SL25-60-1								
				70	SL25-70-1								
				80	SL25-80-1								
				90	SL25-90-1								
				100	SL25-100-1								
				110	SL25-110-1								
				120	SL25-120-1								
				130	SL25-130-1								
				140	SL25-140-1								
				150	SL25-150-1								
				170	SL25-170-1								
				180	SL25-180-1								
				26.97	15.20	11.77	10mm Socket	30	SL26-30-1	ST26-30-1			
								40	SL26-40-1				
								50	SL26-50-1				
60		ST26-60-1											
70	SL26-70-1	ST26-70-1											
90	SL26-90-1												
100	SL26-100-1	ST26-100-1											
120	SL26-120-1	ST26-120-1											
130	SL26-130-1												
160	SL26-160-1												
180	SL26-180-1	ST26-180-1											
28.00	16.50	11.50	10mm Socket					30	SL27-30-1				
								40	SL27-40-1				
								70	SL27-70-1				
								100	SL27-100-1				
								120	SL27-120-1				
								150	SL27-150-1				
								170	SL27-170-1				
				180	SL27-180-1								
				30.91	17.13	13.78	10mm Socket	30	SL28-30-1				
40	SL28-40-1												
50	SL28-50-1												
70	SL28-70-1												
100	SL28-100-1	ST28-100-1											
120	SL28-120-1												
36.30	21.10	15.20	13mm Socket	30	SL29-30-1		STX29-30-1						
				40	SL29-40-1								
				50	SL29-50-1								
				60	SL29-60-1		STX29-60-1						
				70	SL29-70-1		STX29-70-1						
				80	SL29-80-1		STX29-80-1						
				90	SL29-90-1								
				100	SL29-100-1		STX29-100-1						
				110	SL29-110-1		STX29-110-1						
				120	SL29-120-1		STX29-120-1						
				130	SL29-130-1		STX29-130-1						
				140	SL29-140-1		STX29-150-1						
				150	SL29-150-1		STX29-180-1						
				170	SL29-170-1								
				180	SL29-180-1								
				200			STX29-200-1						
				36.30	21.10	15.20	10mm Socket	30		ST29-30-1			
								90		ST29-90-1			
100		ST29-100-1											
130		ST29-130-1											
200		ST29-200-1											

## Threaded Studs

Used as an alternative to mounting brackets, threaded studs can be mounted directly to hatches or other mounting surfaces in applications where the mounting surface is made of metal or another material with the strength to withstand the forces of a gas spring attachment point



### Choice of Attachment Points and Finish

Threaded studs are available with "Ball" or "Blade" gas spring attachment points, and a choice of materials, including zinc plated steel, or stainless steel.

Finish	Length	OEM Part #	Part #
<b>With 10mm Ball End</b>			
Zinc Plated	9/16"	SL69-BS-1	—
	1"	SL70-BS-1	—
Stainless Steel	3/4"	SL75-SSBS-1	—
	9/16"	SL69SSBS-1	—
<b>With 13mm Ball End</b>			
Zinc Plated	19/32"	SL64-BS-1	—
Stainless Steel	19/32"	SL64SSBS-1	—
	1"	SL74SSBS-1	—



## Mounting Brackets

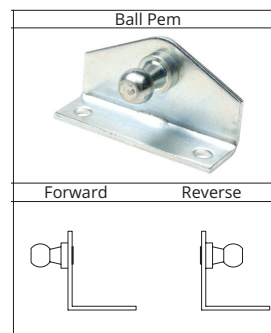
Mounting Brackets are used as attachment points for gas springs on hatches and other mounting surfaces where:

- Mounting surface material is not strong enough to support direct attachment of gas spring using a threaded stud
- The angle and position of the attachment point requires the need for a mounting bracket

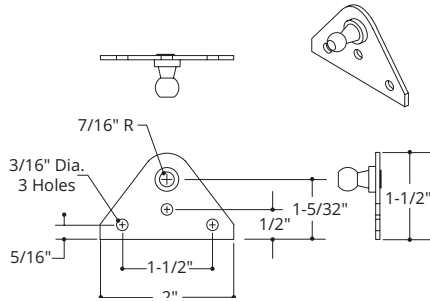
Mounting brackets are available with Ball Pem gas spring attachment points, and a choice of materials and finishes, including zinc-plated steel (with or without black painted finish), stainless steel, or aluminum.

### Aftermarket Mounting Brackets

Bracket Series No.	Style	Pem Type	Mounting Holes	Pem Direction	Finish	Part #
SL40	Flat	Ball 10mm	2	Forward	Stainless Steel	SL40SSP3-7
SL50	90°	Ball 10mm	2	Forward	Stainless Steel	SL50SSP3-7

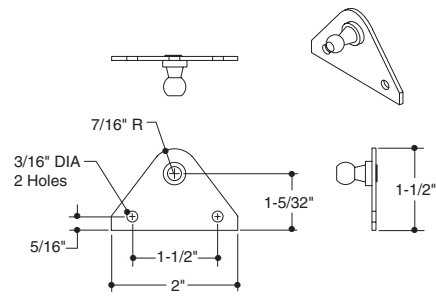


# OEM Mounting Brackets



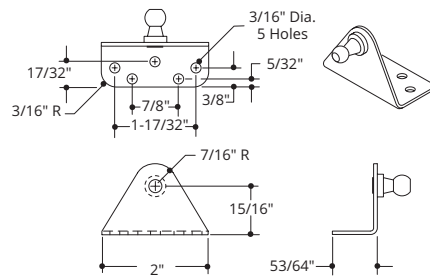
**SL3H Bracket**

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL3HSSP3-1



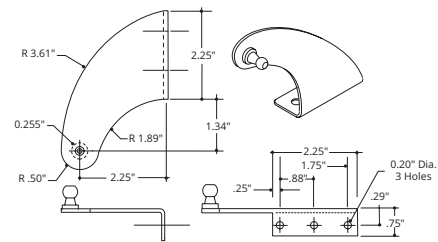
**SL40 Bracket**

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL40P3-1
Black Painted	Forward	Ball 10mm	SL40BP3-1
Stainless Steel	Forward	Ball 10mm	SL40SSP3-1
Stainless Steel, Black Painted	Forward	Ball 10mm	SL40SSBP3-1



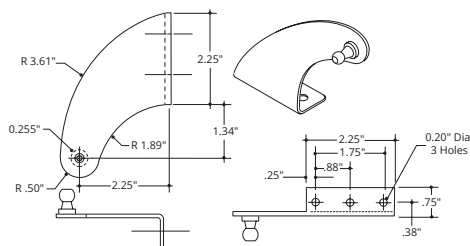
**SL46 Bracket**

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL46SSP3-1
	Reverse	Ball 10mm	SL46SSP3R-1



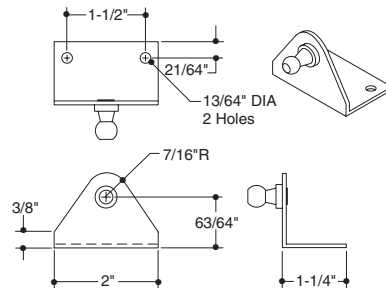
**SL44 Left-Hand Crescent Bracket**

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL44P3-1
	Reverse	Ball 10mm	SL44P3R-1
Black Painted	Reverse	Ball 10mm	SL44BP3R-1
Stainless Steel	Forward	Ball 10mm	SL44SSP3-1



**SL48 Right-Hand Crescent Bracket**

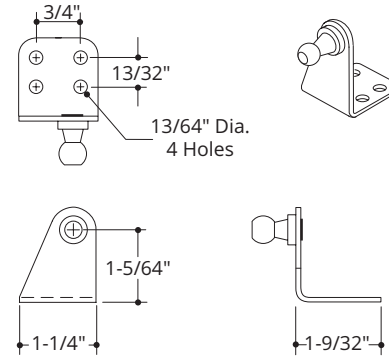
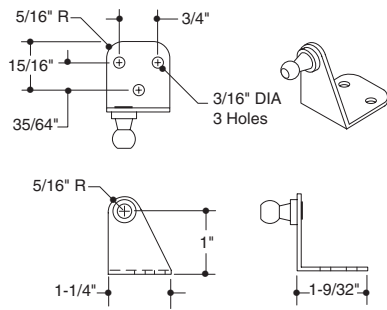
Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL48P3-1
	Reverse	Ball 10mm	SL48P3R-1
Black Painted	Reverse	Ball 10mm	SL48BP3R-1
Stainless Steel	Forward	Ball 10mm	SL48SSP3-1



**SL50 Bracket**

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL50P3-1
	Reverse	Ball 10mm	SL50P3R-1
Black Painted	Forward	Ball 10mm	SL50BP3-1
Stainless Steel	Forward	Ball 10mm	SL50SSP3-1
	Reverse	Ball 10mm	SL50SSP3R-1
Stainless Steel (3 holes)	Forward	Ball 10mm	SL50SSP3SB-1

Note: Bracket dimensions are the same with all "Pem" options. Dimensional drawings are shown with "Ball Pem" option.

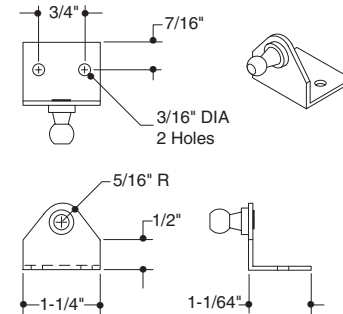
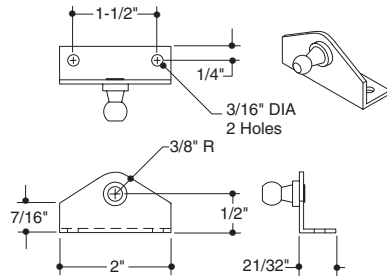


### SL513H Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Reverse	Ball 10mm	SL513HP3R-1
Black Painted	Reverse	Ball 10mm	SL513HBP3R-1

### SL514H Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL514HSSP3-1

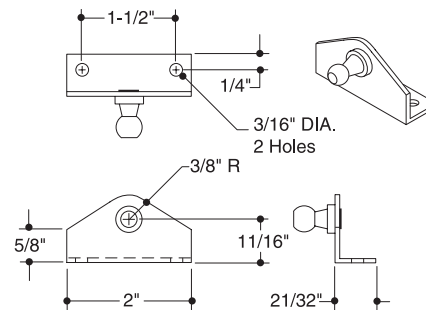
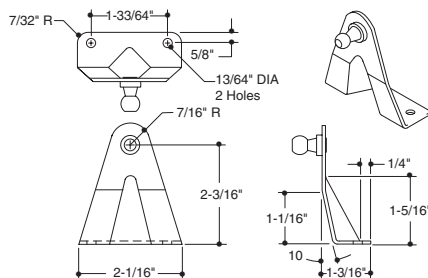


### SL52 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL52P3-1
	Reverse	Ball 10mm	SL52P3R-1
Stainless Steel	Forward	Ball 10mm	SL52SSP3-1
	Reverse	Ball 10mm	SL52SSP3R-1

### SL54 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL54SSP3-1



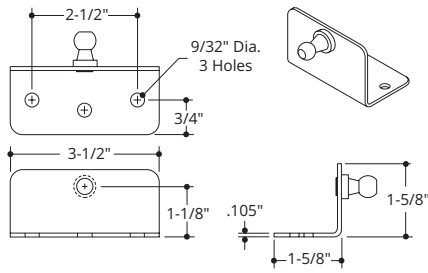
### SL57 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL57P3-1
Stainless Steel	Reverse	Ball 10mm	SL57SSP3R-1

### SL58 Bracket

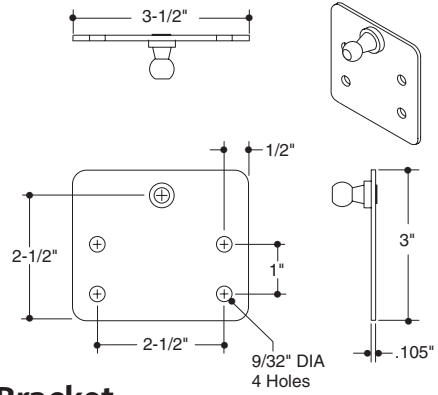
Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL58P3-1
	Reverse	Ball 10mm	SL58P3R-1
Black Painted	Forward	Ball 10mm	SL58BP3-1
	Reverse	Ball 10mm	SL58BP3R-1
Stainless Steel	Forward	Ball 10mm	SL58SSP3-1
	Reverse	Ball 10mm	SL58SSP3R-1
Stainless Steel, Black Painted	Reverse	Ball 10mm	SL58SSBP3R-1

Note: Bracket dimensions are the same with all "Pem" options. Dimensional drawings are shown with "Ball Pem" option.



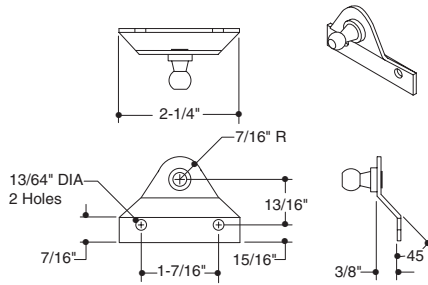
### SL61 & SL63 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 13mm	SL63SSBS-1
	Reverse	Ball 13mm	SL61SSBS-1



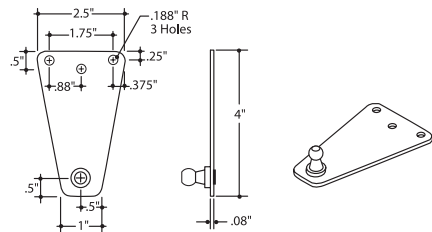
### SL62 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 13mm	SL62SSBS-1



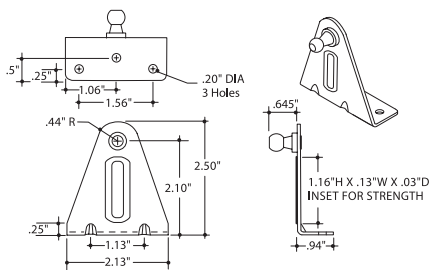
### SL65 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL65P3-1
Black Painted	Forward	Ball 10mm	SL65BP3-1
Stainless Steel	Forward	Ball 10mm	SL65SSP3-1



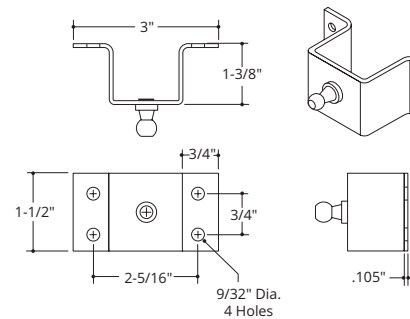
### SL72 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL72SSBS-1



### SL76 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Stainless Steel	Forward	Ball 10mm	SL76SSP3-1
	Reverse	Ball 10mm	SL76SSP3R-1



### SL77 Bracket

Finish	Pem Direction	Pem Type	OEM Part #
Zinc-Plated	Forward	Ball 10mm	SL77P3-1

Note: Bracket dimensions are the same with all "Pem" options. Dimensional drawings are shown with "Ball Pem" option.

# SEATING SYSTEMS & PEDESTALS



# SEATING SYSTEMS & PEDESTALS

## Pedestal Systems & Accessories



208

Unmatched strength, supreme stability, and ergonomic design. Attwood pedestal systems are engineered to last and meet industry standards.



## Seating Systems



236

Find a match for every boater's style of comfort. Attwood seating and pedestal systems ensure safety, support, and comfort.

## Fishing Seats



241

Attwood fishing seats are compact and provide enhanced strength and durability for long-term use.



# Latitude™ Series

## Latitude™ Evolve NEW

The Evolution of Seating.

Unlock effortless seat positioning with the Latitude Evolve electric seat pedestal. The range features smooth electric controls, memory function, and flexible installation options.

### Smooth Electric Controls

Latitude Evolve electric controls make adjusting seats smoother and easier than ever. Automotive-style switches provide effortless control of rise and slide positioning. A simple and easily-accessible lever allows for manual swivel control. On selected models, NMEA 2000® capability even lets boaters control their seat via their display for a truly seamless experience.

### Memory Function

Latitude Evolve transforms the user experience by introducing two programmable memory positions, making it easier than ever to co-pilot your boat. Simply select your chosen seat position and the pedestal will automatically adjust to your most comfortable setting, empowering seamless helming experiences on the water.

### Flexible Installation

The Latitude Evolve range features a variety of plug and play control and installation options, allowing you to choose the perfect model for your boat. Choose from thru-deck and above-deck mounting options, and a range of control options.

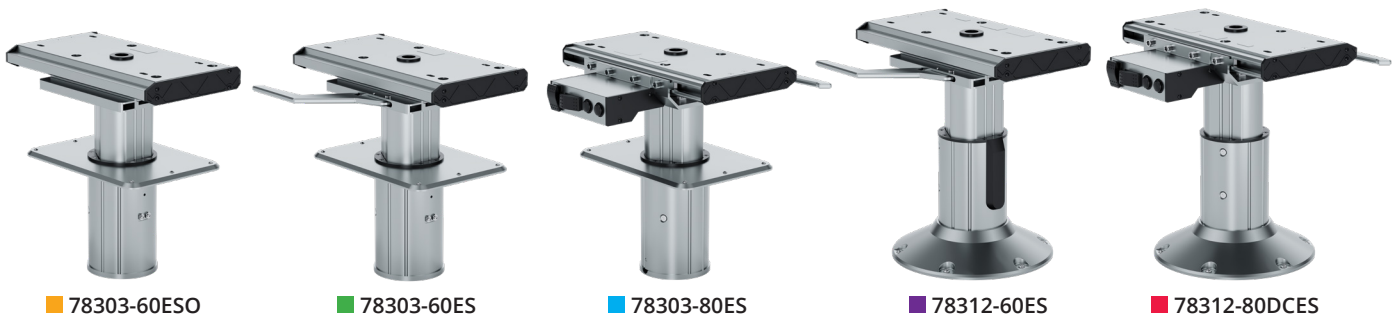
### Superior Durability

Manufactured using anodized aluminium to provide the ultimate protection from the rain, wind and sea. Latitude Evolve meets IP56 standards, giving you confidence that your product will last.



Configuration	Control Interface	Heating Wire	Electric Slide	Electric Rise	Electric Rise with Switch Bracket	Swivel (Manual)	Memory	N2K	Part Number
Thru-deck	Flying leads (11" / 27.9 cm)	Included	✓	✓					78303-60ESO
			✓	✓		✓		78303-60ESOM	
			✓	✓		✓	✓	78303-60ESON2K	
Thru-deck	Flying leads (11" / 27.9 cm)	Included	✓	✓		✓	✓		78303-60ES
			✓	✓		✓	✓	78303-60ESM	
			✓	✓		✓	✓	78303-60ESN2K	
Thru-deck	Switch Bracket	Included	✓	✓	✓	✓	✓		78303-80ES
			✓	✓	✓	✓	✓	78303-80ESM	
			✓	✓	✓	✓	✓	78303-80ESN2K	
Above-deck	Flying leads (11" / 27.9 cm)	Included	✓	✓		✓	✓		78312-60ES
			✓	✓		✓	✓	78312-60ESM	
			✓	✓		✓	✓	78312-60ESN2K	
Above-deck	Switch Bracket	Included	✓	✓	✓	✓	✓		78312-80DCES
			✓	✓	✓	✓	✓	78312-80DCESM	
			✓	✓	✓	✓	✓	78312-80ESN2K	



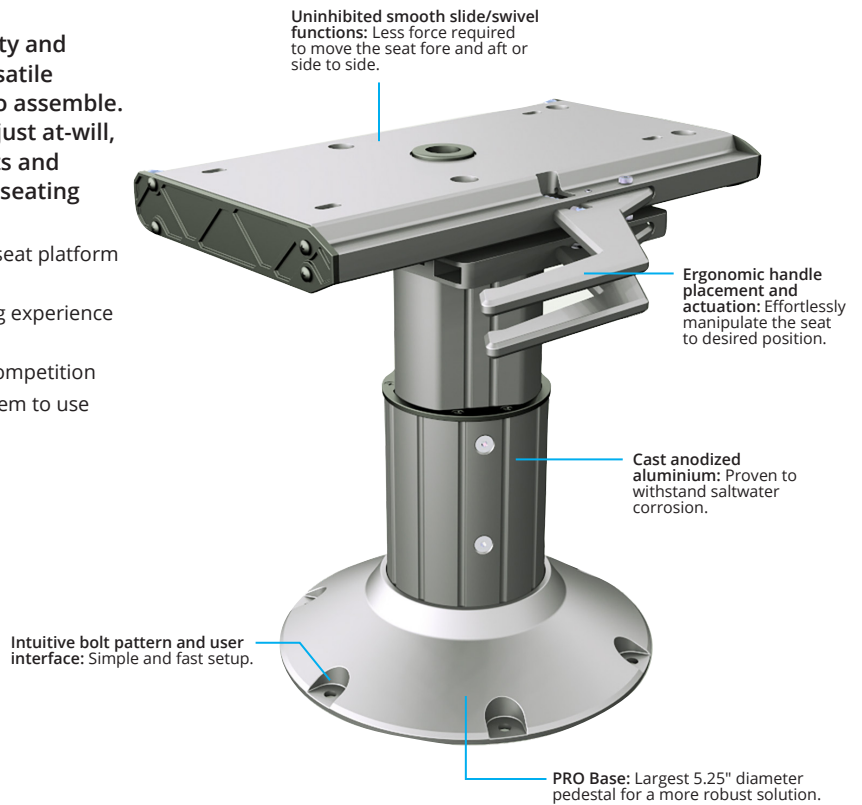


Part Number	78303-60ESO 78303-60ESOM 78303-60ESON2K	78303-60ES 78303-60ESM 78303-60ESN2K	78303-80ES 78303-80ESM 78303-80ESN2K	78312-60ES 78312-60ESM 78312-60ESN2K	78312-80DCES 78312-80DCESM 78312-80ESN2K
Config	Thru-Deck	Thru-Deck	Thru-Deck	Above-Deck/Bell Base	Above-Deck/Bell Base
Features	Slide, Rise	Slide, Rise, Swivel	Slide, Rise, Swivel	Slide, Rise, Swivel	Slide, Rise, Swivel
Memory Function x2	Available as Option	Available as Option	Available as Option	Available as Option	Available as Option
Switch Bracket	No	No	Yes	No	Yes
Top					
Side (left)					
Bottom					

## Latitude™

The Latitude Series delivers the premium quality and craftsmanship that consumers expect, in a versatile package that is consistent in styling and easy to assemble. Latitude Series is built to install in a breeze, adjust at-will, and perform to the highest level. These benefits and many more help boat builders deliver the best seating experience for all water conditions.

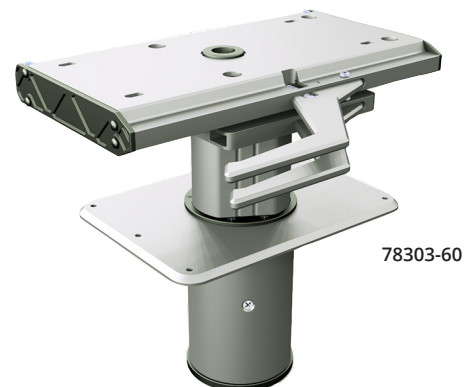
- Modular Platform: Latitude is the only true modular seat platform with mechanized adjustability
- Delightful Experience: Latitude offers the best seating experience in all water conditions
- Durable: Latitude is more durable than the leading competition
- Easy to Use: Latitude is the easiest seat pedestal system to use



## Latitude 5.25" Electric Rise Pedestal System

- Stanchion Tube diameter: 5" (12.7 cm)
- Base diameter: 12" (30.5 cm)

Installation	Adjustable Height	Swivel	Slide	Part #
Thru-Deck	3.75" - 7.75"	✓	✓	78303-60
Above Deck	12.5" - 16.5"	✓	✓	78312-60
Above Deck	15" - 19"	✓	✓	78315-60
Above Deck	19" - 23"	✓	✓	78319-60
Replacement End Cap				99998-31



## Latitude 5.25" Fixed Height Pedestal System

- Stanchion Tube diameter: 5" (12.7 cm)
- Base diameter: 12" (30.5 cm)

Installation	Fixed Height	Swivel	Slide	Part #
Above Deck	7" (18 cm)	—	✓	78307-10
Above Deck	8" (20 cm)	—	✓	78308-10
Above Deck	9" (23 cm)	—	✓	78309-10
Above Deck	10" (25 cm)	—	✓	78310-10
Above Deck	11" (28 cm)	—	✓	78311-10
Above Deck	12" (30.5 cm)	—	✓	78312-10
Above Deck	13" (33 cm)	—	✓	78313-10
Above Deck	7" (18 cm)	✓	✓	78307-20
Above Deck	8" (20 cm)	✓	✓	78308-20
Above Deck	9" (23 cm)	✓	✓	78309-20
Above Deck	10" (25 cm)	✓	✓	78310-20
Above Deck	11" (28 cm)	✓	✓	78311-20
Above Deck	12" (30.5 cm)	✓	✓	78312-20
Above Deck	13" (33 cm)	✓	✓	78313-20
Replacement End Cap				99998-31



78307-10



78307-20

## Latitude Low Profile Seat Slide Swivel

- Dimensions: 8.84" W x 16.09" L

Installation	Fixed Height	Fore and Aft Travel	Swivel	Slide	Part #
Deck Mount	3" (8 cm)	7" (18 cm)	—	✓	75362-20
Deck Mount	3" (8 cm)	7" (18 cm)	✓	✓	75363-20
Replacement End Cap					99998-31



75362-20



75363-20

# Millennium & Standard Series Compatibility Guide

		Millennium Series								Standard Series			
		Seat Slides				Seat Swivel				Seat Slide/Swivel		Swivel Seat Mount Top	
		20000	20001	21000	21001	22000	22001	99026	99036	75082	75083	99023	
page		p215	p215	p215	p215	p215	p215	p215	p215	p216	p216	p216	
Millennium Series	75515	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75528	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75530	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75531	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75532	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75533	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75534	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75535	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75628-G	p214	✓	✓	✓	✓			✓		✓	✓	✓
	75635	p214	✓	✓	✓	✓			✓		✓	✓	✓
Standard Series	78515S	p216					✓	✓		✓	✓	✓	✓
	78524S	p216					✓	✓		✓	✓	✓	✓
	78530S	p216					✓	✓		✓	✓	✓	✓
	75404	—					✓	✓		✓	✓	✓	✓
	75415	p213					✓	✓		✓	✓	✓	✓
	75430	p213					✓	✓		✓	✓	✓	✓
	75431	p213					✓	✓		✓	✓	✓	✓
	75432	p213					✓	✓		✓	✓	✓	✓
	75433	p213					✓	✓		✓	✓	✓	✓
	75434	p213					✓	✓		✓	✓	✓	✓
75436-G	p213					✓	✓		✓	✓	✓	✓	
75437-G	p213					✓	✓		✓	✓	✓	✓	



## Millennium Series

### 2.875" Gas Rise Millennium Pedestal System

- A complete system featuring lift, slide and swivel
- Touch actuated lever, gas rise with 85 lb of lift force
- Millennium Slide & Swivel (21000-80)
- 360° rotation allows user to lock every 10°
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)

Adjustable Height	Swivel	Slide	Part #
Low 12"- 15" (30-38 cm)	✓	✓	75636-G
Medium 14"- 18" (36-46 cm)	✓	✓	75637
Gas rise seat slide and swivel			21000-80



75637

### 2.875" Adjustable Height Friction Lock Pedestal

- Seat raises or lowers, locks at desired height
- Anodized protective finish helps prevent saltwater corrosion and weathering
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)
- Accepts Seat Slides: 22000, 22001, 75080, 75081, 75082, 75083, 75091
- Accepts Swivels: 99023, 99036
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99036

Adjustable Height	Smooth	Ribbed	Part #
Low 12"- 17" (30-43 cm)	✓	—	75436-G
Medium 18"- 23" (46-58 cm)	✓	—	75437-G
Replacement knob and rod 2.25" (6 cm) long			99137-40



75436-G

### 2.875" Fixed Height Pedestal

- Provides solid base of support for a variety of seat hardware
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)
- Accepts Garelick fore and aft seat slides and 360° swivel spider combinations
- Accepts Seat Slides: 22000, 75080, 75081, 75082, 75083, 22001, 75091
- Accepts Swivels: 99023, 99036
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99036

Overall Height	Smooth	Ribbed	Part #
9" (23 cm)	✓	—	75431
12" (30.5 cm)	✓	—	75430
15" (38 cm)	✓	—	75415
18" (46 cm)	✓	—	75432
24" (61 cm)	✓	—	75433
30" (76 cm)	✓	—	75434



75430

## 2.875" Fixed Height Pedestal

- Provides solid base of support for a variety of seat hardware
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)
- Accepts Garelick fore and aft seat slides and 360° swivel spider combinations
- Accepts Seat Slides: 21000, 75080, 75081, 75082, 75083, 20000, 20001, 21001
- Accepts Swivels: 99023, 99026
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99026

Overall Height	Smooth	Ribbed	Part #
9" (23 cm)	—	✓	75531
12" (30.5 cm)	—	✓	75530
15" (38 cm)	—	✓	75515
18" (46 cm)	—	✓	75532
24" (61 cm)	—	✓	75533
30" (76 cm)	—	✓	75534



75530

## 2.875" Adjustable Height Positive Pin Lock Pedestal

- Pin secures base at specific height in 1" increments
- Stainless steel lock pin locates securing hole easily
- Satin anodized protective finish helps prevent saltwater corrosion and weathering
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)
- Accepts Seat Slides: 20000, 20001, 21001, 75080, 75081, 75082, 75083, 75091, 21001
- Accepts Swivels: 99023, 99026
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99026

Adjustable Height	Smooth	Ribbed	Part #
12"– 17" (30-43 cm)	—	✓	75635
18"– 23" (46-58 cm)	—	✓	75628-G
Replacement knob and rod 3.75" (10 cm) long			99137-41



75635

## 2.875" Adjustable Height Standard Friction Lock Pedestal

- Seat raises or lowers, locks at desired height
- Anodized protective finish helps prevent saltwater corrosion and weathering
- Stanchion Tube diameter: 2.875" (7 cm)
- Base diameter: 9.25" (23.5 cm)
- Accepts Seat Slides: 20000, 20001, 21001, 75080, 75081, 75082, 75083, 75091, 21001
- Accepts Swivels: 99023, 99026
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99026

Adjustable Height	Smooth	Ribbed	Part #
12"– 17" (30-43 cm)	—	✓	75535
18"– 23" (46-58 cm)	—	✓	75528
Replacement knob and rod 2.25" (6 cm) long			99137-40



75535

### Millennium Series Seat Swivel

- Low profile design allows 360° of rotation
- 360° Rotation is regulated by dual locking devices - lift the positive lock lever to rotate. Drop the lever to lock in place in 10° increments.
- Meets ABYC-H31, Type A & Garelick performance standards

Finish	Swivel	Slide	Smooth	Ribbed	Part #
Silver Powder Coat	✓	—	—	✓	99026
Silver Powder Coat	✓	—	✓	—	99036

Internal Delrin Bearing Cup	Part #
for 20000, 20001, 21000, 21001, 99026	99027
for 22000, 22001, 99036	99127



99026/99036

### Millennium Series Seat Slides

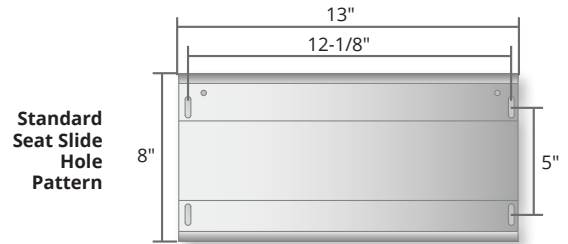
- Low profile design allows 360° of rotation and 6" of smooth, wobble-free fore and aft travel
- Positive Lock Spider – rotates 360°, internal cup engages in 10° increments for positive stop lock
- Meets ABYC-H31, Type A & Garelick performance standards
- Adds .5" (1.25 cm) to Pedestal height

Lever	Finish	Swivel	Slide	Smooth	Ribbed	Part #
Left Hand	Plain	✓	✓	—	✓	20000
Right Hand	Plain	✓	✓	—	✓	20001
Left Hand	Silver Powder Coat	✓	✓	—	✓	21000
Right Hand	Silver Powder Coat	✓	✓	—	✓	21001
Left Hand	Silver Powder Coat	✓	✓	✓	—	22000
Right Hand	Silver Powder Coat	✓	✓	✓	—	22001

Internal Delrin Bearing Cup	Part #
for 20000, 20001, 21000, 21001, 99026	99027
for 22000, 22001, 99036	99127



20000/21000



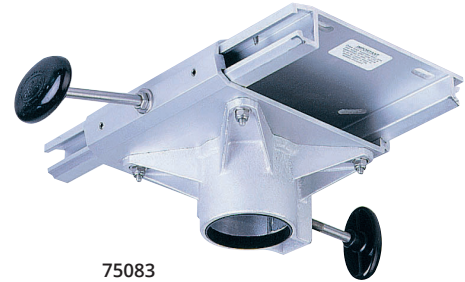
## Standard Series

### Standard Series Seat Slide/Swivel

- Provides smooth fore and aft travel and 360° seat rotation
- Adds comfort and stability to any swivel boat seat
- Compatible with any 2-7/8" (7 cm) diameter tube
- Meets ABYC-H31, Type A & Garelick performance standards
- Anodized aluminum for protection from corrosion and weathering
- Adds 1.625" (4 cm) to height. Hole Pattern: 5" x 12" (13 x 30.5 cm)

Dimensions	Fore and Aft Travel	Swivel	Slide	Part #
8.5" W x 8" L (22 cm x 20 cm)	6" (15 cm)	✓	✓	75082
8.5" W x 13" L (22 cm x 33 cm)	7" (18 cm)	✓	✓	75083*
Replacement knob and rod 5.875" (15 cm) long				06.388

\*Required on Roto molded Seat Models (Includes 75081 & 99023)



75083

### Standard Series Swivel Seat Mount Top

- 360° Positive Lock Swivel Spider Mount

Finish	Part #
Anodized Aluminum Finish	99023

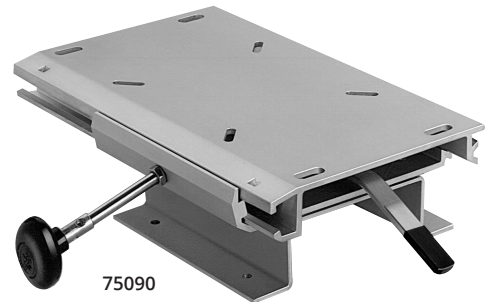


99023

### Low Profile Seat Slide & Locking Swivel

- Slide mounts to a box, platform, or bench and seat mounts to the slide plate
- Free swiveling or locks every 45°
- Anodized aluminum with stainless steel hardware. Spider swivel casting not included

Dimensions	Fore and Aft Travel	Swivel	Slide	Part #
8.5" W x 13" L x 3.875" H (22 cm x 33 cm x 10 cm)	6" (15 cm)	✓	✓	75090
Replacement knob and rod 5.875" (15 cm) long				06.388



75090

### 3.5" Fixed Height Pedestal

- Meets ABYC, H-31 Type A Standards
- Polished and anodized aluminum components
- Designed to protect against saltwater corrosion and weathering
- Stanchion Tube diameter: 3.5" (9 cm)
- Base diameter: 10.5" (27 cm)
- Accepts Seat Slides: 22000, 22001, 75080, 75081, 75082, 75083, 75091
- Accepts Swivels: 99023, 99036
- 75080, 75081, 75091 must be used in conjunction with 99023 or 99036

Fixed Height	Swivel	Slide	Smooth Polished	Smooth Anodized	Part #
15" (38 cm)	✓	✓	✓	✓	78515S
24" (61 cm)	✓	✓	✓	✓	78524S
30" (76 cm)	✓	✓	✓	✓	78530S



78515



## Seat Suspension Systems

Active seat suspension systems offer boaters new levels of comfort and safety in all weather and water conditions.

- Active Seat Suspension Systems absorb and minimize up to 75% of the shock, jolt, and vibration transmitted to the passenger from the forces of roll, pitch, and yaw.
- Active Seat Suspensions Systems reduce the feelings of seasickness and nausea by absorbing excessive movement with 1" of damped vertical travel.
- Components are saltwater spray tested and UV stable; to help endure harsh marine environments.
- Made from rugged, high-tensile, anodized aluminum with stainless steel hardware.

**Pedestal base mounting options: active seat suspension unit.**

- Standard bolt hole pattern allows for mounting on top of pedestal and beneath any individual seat.
- Features heavy duty forward hinge system allowing shock absorption to occur in the vertical plane only, eliminates sway and side tipping.
- Includes provisions for mounting seats with 6" center hole pattern.
- Components are saltwater spray tested and UV stable; to help endure harsh marine environments.
- Made from rugged, high-tensile, anodized aluminum with stainless steel hardware.

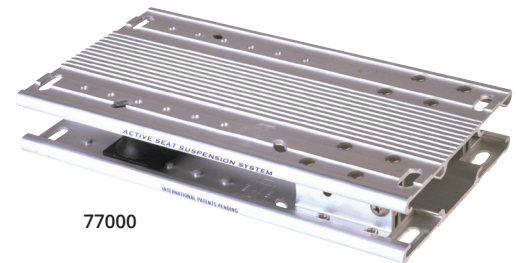
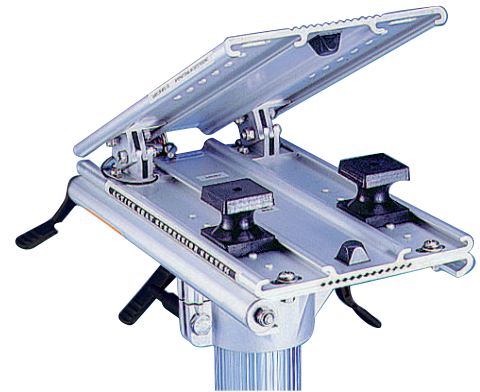
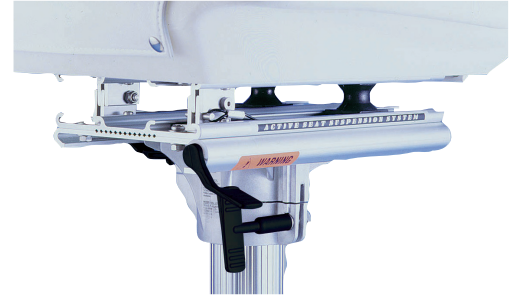
**Floor and deck mounting options.**

- Standard bolt hole pattern allows for easy mounting beneath seat to the deck, a box, or the floor of a boat.
- Perfect for mounting beneath seat greater than 20" (51 cm).
- Includes provisions for mounting seats with 6" center hole pattern.

### Seat Suspension System

- Compact size and low profile design adds only 2" (5 cm) of height.
- The outline is 13" x 7" (33 cm x 18 cm) with standard 5" x 12.125" (13 cm x 31 cm) slotted mounting hole pattern.

Description	Part #
Seat Suspension System	77000
Replacement foam seat shock – pair	99191



77000

# Tandem Slides

## Lever Actuated Tandem

- Precision anodized aluminum extrusions slide easily and lock at 1" (2.54 cm) increments
- Heavy duty system for use with large helm seats
- Ergonomically designed levers incorporate a mechanical advantage for ease of operation
- Cables are stainless steel construction for strength and durability

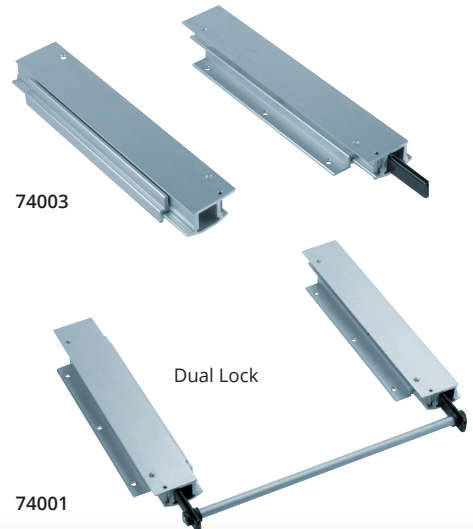
Fore and Aft Travel	Swivel	Slide	Part #
5"	✓	✓	75002-75



## Tandem Seat Slide Track Hardware

- Provides fore & aft movement for double wide seat installations. Ideal for Double Wide Flybridge, Helm, or Pontoon Bucket Seats. Low-profile, all-anodized aluminum precision track extrusion allows seat to slide fore & aft 6" (15 cm) with 1" (3 cm) increments.
- Perfect for seats mounted on a support deck box or molded-in helm stations.

Dimensions	Lock Options	Fore and Aft Travel	Part #
12.5" L x 1.5" H (32 cm x 4 cm)	Standard Single Lock	7" (18 cm)	74003-G
16.5" L x 1.5" H (42 cm x 4 cm)	Dual Lock - 24" (61 cm) Overall Width	6" (15 cm)	74001-G



## Seat Swivels

### Locking Stainless Steel Seat Swivel – 360°

- Rotates 360° - 12 position lock at 30° increments
- Heavy duty for offshore market
- Fits most standard seat hole patterns
- Self-lubricating non-corrosive poly swivel bearing

Dimensions	Part #
7" x 7" (18 cm x 18 cm)	75120



75120  
Dual Lock Option

### Stainless Steel Seat Swivel – 360°

- Heavy Duty for Offshore Market
- 304 Stainless Steel with stainless center rivet
- Rotates 360° - Fits most standard hole patterns
- Self lubricated non-corrosive poly swivel bearings

Dimensions	Part #
7" x 7" (18 cm x 18 cm)	75020



75020



# 278 Series

## Strong. Stable. Smooth.

### Unmatched Strength.

- Heavy-duty casting easily supports popular oversized helm seats.

### Supreme Stability.

- A rigid mount and wider seat interface create ultimate pedestal robustness.

### Extra Smooth.

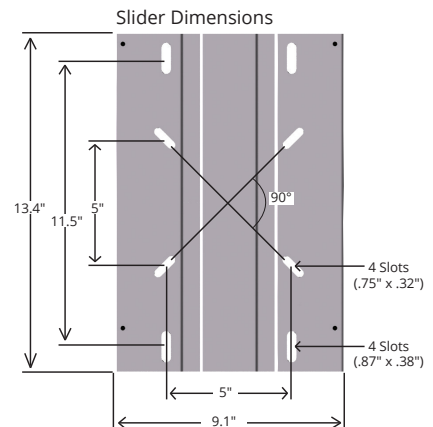
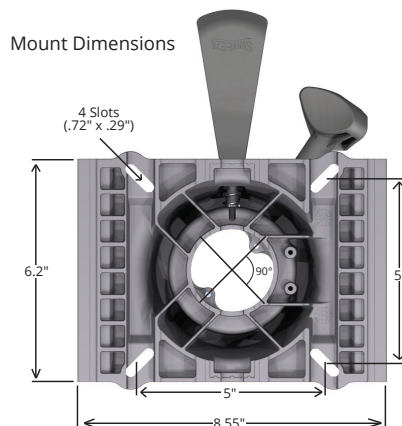
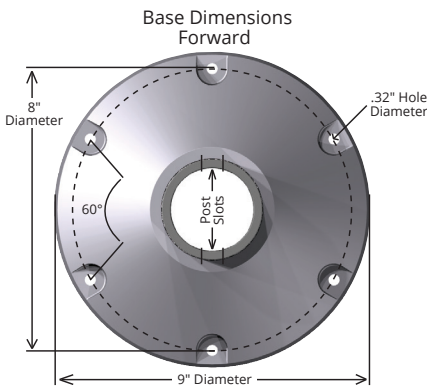
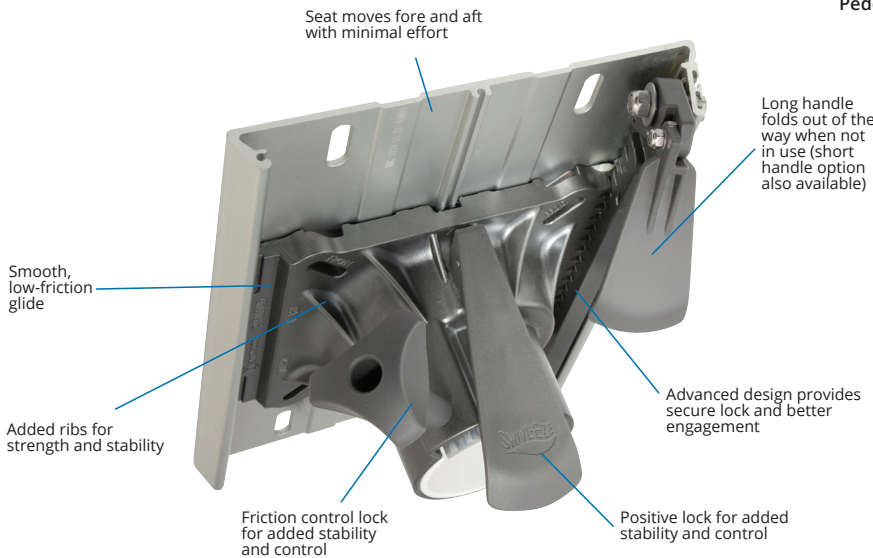
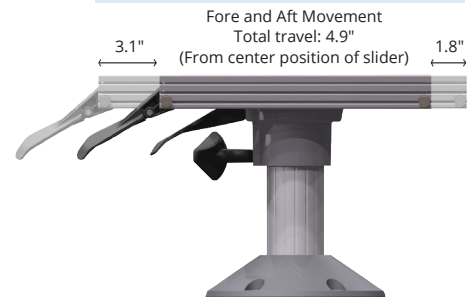
- Improved slider motion facilitates easy fore and aft movement. Dampening gas spring on the 278 Air System absorbs impact.



**278 Pro System**  
Fixed Height Pedestal

**278 Air System**  
Adjustable Height Pedestal

Dimensions of 278 Pro & 278 Air Systems  
NOTE: 278 Pro & 278 Air System components are not compatible with other seating systems.



### 278 Air System (Adjustable Height Pedestal)

Description	ABYC Code	Base Height	Slider Handle	Base Finish	OEM Part #
<b>Bases (For total system height, add 1" to the base height)</b>					
278 Air Pedestal Base, 2.75" Below Deck	AO	9-12"	—	Gray	278AOP0912-BD-1
278 Air Pedestal Base	AO	12-15"	—	Gray	278AOP1215-1
278 Air Pedestal Base	AO	15-19"	—	Gray	278AOP1519-1
278 Air Pedestal Base	AO	19-23"	—	Gray	278AOP1923-1
<b>Seat Mounts</b>					
278 Air Mount, 3 degree	AO	—	—	—	278AO3AM-1
278 Air Mount, 0 degree	AO	—	—	—	278AOZAM-1
<b>278 Mounts with Slider</b>					
278 AirGlide Slider, 0 degree	AO	—	Short	—	278AOZAGS-1
278 AirGlide Slider, 0 degree	AO	—	Long	—	278AOZAGL-1
278 AirGlide Slider, 3 degree	AO	—	Short	—	278AO3AGS-1
278 AirGlide Slider, 3 degree	AO	—	Long	—	278AO3AGL-1

### 278 Pro System (Fixed Height Pedestal)

Description	ABYC Code	Base Height	Slider Handle	Base Finish	OEM Part #
<b>Bases</b>					
278 Pro Pedestal Base, Low Profile	AO	5"	—	Bright	—
278 Pro Pedestal Base	AO	6"	—	Gray	278AOGY060-1
278 Pro Pedestal Base	AO	7"	—	Gray	278AOGY070-1
278 Pro Pedestal Base	AO	8"	—	Gray	278AOGY080-1
278 Pro Pedestal Base	AO	9"	—	Gray	278AOGY090-1
278 Pro Pedestal Base	AO	10"	—	Gray	278AOGY100-1
278 Pro Pedestal Base	AO	11"	—	Gray	278AOGY110-1
278 Pro Pedestal Base	AO	12"	—	Gray	278AOGY120-1
278 Pro Pedestal Base	AO	13"	—	Gray	278AOGY130-1
<b>Seat Mounts</b>					
278 Pro Mount, 3 degree	AN	—	—	—	278ANZPM-1
278 Pro Mount, 0 degree	AO	—	—	—	278AOZPM-1
278 Pro Mount, 3 degree	AO	—	—	—	278AO3PM-1
<b>Seat Mounts with Slider</b>					
278 ProGlide Slider, 3 degree	AO	—	Long	—	278AO3PGL-1
278 ProGlide Slider, 0 degree	AO	—	Long	—	278AOZPGL-1



**AN: Non-Operator** (Not to be used at the helm/driver position)  
**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements.

# 238 Series

## Strength, style and corrosion-resistance

- Pedestal tubes are hard-anodized aluminum
- All springs are stainless steel
- Bases are bead-blasted (to close aluminum porosity) and clear coated

## Smooth movement without wobble

- Slider has gear-tooth lock mechanism; locks solidly, disengages easily
- Slider rides smoothly on acetal linear bearings

## Clean style, ergonomic design

- Styling is clean and uncomplicated
- Handles are ergonomically designed to be easy on the hands and easy to reach

Not recommended to interchange with other manufacturers' products

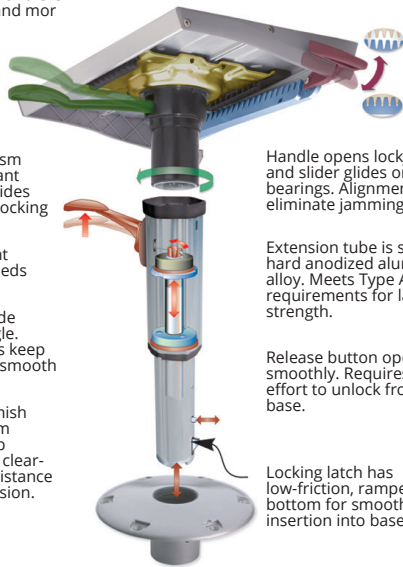
Reinforced polymer handle is thicker for strength and more comfortable grip.

Seat mount mechanism is redesigned. Constant pressure spring provides continuous forward locking pressure.

Cable-actuated height mechanism never needs adjustment.

Linear grooves provide support, reduce wiggle. Acetal linear bearings keep the whole operation smooth and wobble free.

Bead-blasted base finish pounds the aluminum surface and closes up porosity. Proprietary clear-coating improves resistance to scuffing and corrosion.



Handle opens lockjaw gears... and slider glides on acetal linear bearings. Alignment tracks eliminate jamming and wobbling.

Extension tube is super-hard anodized aluminum alloy. Meets Type A Driver requirements for lateral strength.

Release button operates smoothly. Requires less effort to unlock from base.

Locking latch has low-friction, ramped bottom for smooth insertion into base.



238162



238512



238312

## 238 Pedestal Kits

Attwood's 2-3/8" pedestal kit is strong, durable, and corrosion resistant. The kit includes a 360 degree swivel seat mount, removable extension post, and 9" base. Available in satin aluminum or Realtree MAX-4 Camouflage.



23809

23813

23811

23815

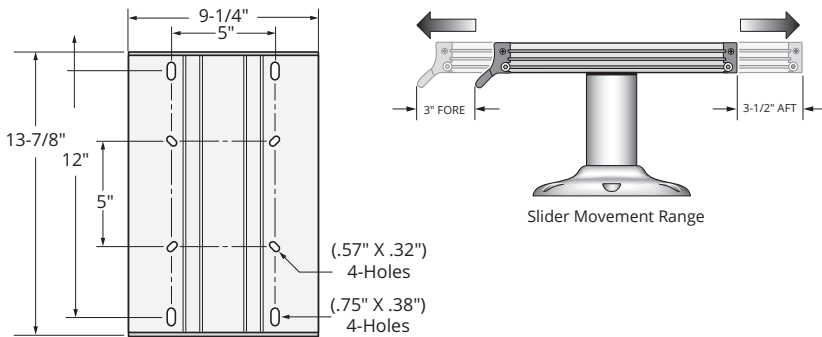
Description	ABYC Code	Req. Dia. Mounting Hole	OEM Part #	Part #
<b>Base Plate: 9", Seat Mount 5" X 5" on Center</b>				
Pedestal Kit with 9" Satin Post	AO	3"	—	23809-7
Pedestal Kit with 11" Satin Post	AO	3"	—	23811-7
Pedestal Kit with 13" Satin Post	AO	3"	—	23813-7
Pedestal Kit with 15" Satin Post	AO	3"	—	23815-7

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements.

## 238 Series Seat Mounts

Description	ABYC Code	OEM Part #	Part #
<b>Seat Mounts without Slider</b>			
Stainless Steel, 3° Tilt, Left Handle	AO	238141-1	—
Stainless Steel, 3° Tilt, Right Handle	AO	238142-1	238142-7
Plated Steel, 0° Tilt, Left Handle	AO	238150-1	—
Plated Steel, 3° Tilt, Left Handle	AO	238151-1	—
Plated Steel, 3° Tilt, Right Handle	AO	238152-1	238152-7
Plated Steel, 3° Tilt, Forward Handle	AO	238153-1	238153-7
<b>Seat Mounts with Aluminum Slider</b>			
Plated Steel, 3° Tilt, Right Handle	AO	238162-1	238162-4
Plated Steel, 0° Tilt, Right Handle	AO	238164-1	—



## 238 Series Pedestals & Extension Posts

Description	ABYC Code	OEM Part #	Part #
<b>Fixed Height Bell Pedestals*</b>			
8" Height	AO	238908-1	—
11" Height	AO	238911-1	—
12" Height	AO	238912-1	—
13" Height	AO	238913-1	—
15" Height	AO	238915-1	—
<b>Fixed Height Extension Posts*</b>			
8" Height	AO	238608-1	—
9" Height	AO	238609-1	—
10" Height	AO	238610-1	238610-3
11" Height	AO	238611-1	—
12" Height	AO	238612-1	238612-3
13" Height	AO	238613-1	238613-3
14" Height	AO	238614-1	—
15" Height	AO	238615-1	238615-3
17" Height	AO	238617-1	—
25" Height	AO	238625-1	—
30" Height	B	238630-1	—
	B	238630L1	—
<b>Pro-Pole Extension Posts - Type B*</b>			
27" Height	B	238027-1	238027-3
<b>Adjustable Height Power Pedestals*</b>			
13" to 16-1/2" Height	AO	238512-1	238512-4
19-1/2" to 23" Height	AO	238522-1	238522-4



\* Height measured from deck to top of seat mount

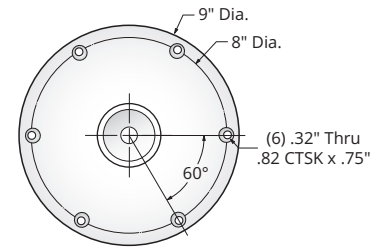
**AO: Operator** (Used at the helm/driver position)  
**B** (Not to be used at the helm/driver position)

See page 234 for ABYC Requirements.

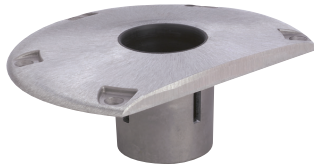
## 238 Series Socket Bases

Bases are interchangeable between LakeSport 238 Series and 238 Series.

Description	ABYC Code	Req. Dia. Mounting Hole	OEM Part #	Part #
Aluminum 9" Round, Clear Coat Finish	AO	3"	238312-1	238312-2
Aluminum 9" D-Shaped, Clear Coat Finish	AO	3"	238322-1	—
Stainless Steel, 7" x 7", Square, Centered Hole	AO	3"	238333-1	—
Aluminum 9" Cut Both Sides, Clear Coat Finish	AO	3"	238352-1	—
<b>238 Series Socket Base Splash Guard</b>				
Socket Splash Guard, Plastic	AO	—	238300-1	—



238312



238322



238352



238333



238300

**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements.



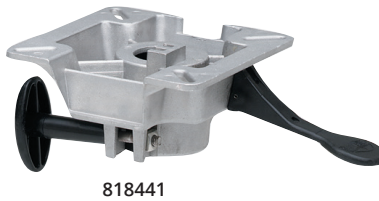
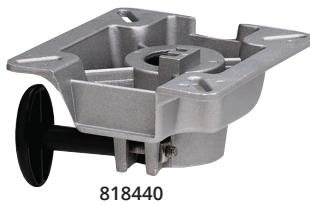
# LakeSport 238 Series

## The Difference

- These sturdy 2-3/8" diameter pedestal systems have all the strength and durability you need for years of family fishing enjoyment.
- Hard anodized aluminum pedestal tubes
- Bead blasted finish pounds the aluminum surface and closes up porosity
- All LakeSport 238 Series hardware is engineered to meet ABYC standards

## Type A/Operator Models lead the industry with these features:

- Ergonomic positive-locking handle with stainless steel components



## LakeSport 2-3/8" Seat Mounts

Description	ABYC Code	OEM Part #	Part #
<b>Seat Mounts Without Slider Installed Height: 5/8"</b>			
Aluminum, w/ Friction Control, 3° Tilt	AN	818440	—
Aluminum, w/ Friction Control, 3° Tilt	AO	818441	818441-3
<b>Seat Mounts with Aluminum Slider Installed Height: 1"</b>			
Aluminum, w/ Friction Control, 3° Tilt	AO	828461	—

## LakeSport 2-3/8" Extension Posts

For LakeSport seat mounts only

Description	ABYC Code	OEM Part #	Part #
<b>Fixed Height Extension Posts*</b>			
10" Height, Anodized Finish	AN	238610L1	—
11" Height, Anodized Finish	AN	238611L1	—
13" Height, Anodized Finish	AN	238613L1	—

\* Height measured from deck to top of seat mount



**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements.

## LakeSport 2-3/8" Seat Pedestals

Description	ABYC Code	OEM Part #	Part #
<b>Hydraulic Power Pedestals with Seat Mount*</b>			
12" - 15" Adjustable Height, Anodized Finish	AO	238813FLSM1	—
25" - 32" Adjustable Height, Anodized Finish	B	238833FLSM1	—
<b>Fixed Height Bell Pedestals*</b>			
11" Height	AO	238911L1	—
13" Height	AO	238913L1	—
<b>Fixed Height Bell Pedestals with Seat Mount*</b>			
9" Height	AN	238909LSM1	—
13" Height	AN	238913LSM1	—
16" Height	AN	238916LSM1	—
<b>Adjustable Height Bell Pedestals with Seat Mount, Manual*</b>			
14"-20" Adjustable Height, Anodized	AN	—	2385400
12-1/2"-15-1/2" Adj. Height, J-Slot, Anodized	AO	—	2385405

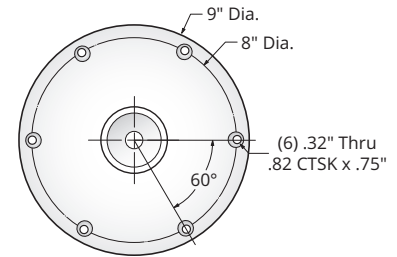
\* Height measured from deck to top of seat mount



## LakeSport 2-3/8" Socket Bases

Bases are interchangeable between LakeSport 238 Series and 238 Series.

Description	ABYC Code	Req. Dia. Mounting Hole	OEM Part #	Part #
Aluminum 9" Round, Clear Coat Finish	AO	3"	238312-1	238312-2
Aluminum 9" D-Shaped, Clear Coat Finish	AO	3"	238322-1	—
Stainless Steel, 7" x 7", Square, Centered Hole	AO	3"	238333-1	—
Aluminum 9" Cut Both Sides, Clear Coat Finish	AO	3"	238352-1	—
<b>238 Series Socket Base Splash Guard</b>				
Socket Splash Guard, Plastic	AO	—	238300-1	—



**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

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

See page 234 for ABYC Requirements.

# Pin Post Pedestals

## Wedge 2"

**Wedge shaped components slide in for a snug, stable fit**

- Type B mounts are not designed to "lock" into post
- Engineered to prevent unintentional detachment

### Posts

- Heavy-duty bushing with peripheral bearing system and exclusive "crush ribs" are individually sized for exact fit
- Pedestals come in a few lengths, including patented "J-Slot" adjustable height
- Locking tab positively locks post to base
- Wedge™ bushing locks in with a tight, solid fit
- 2-Point stainless steel riveting strengthens the bushing

### Bases

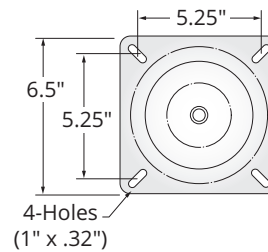
- Strong base design has reinforcing ribs and improved profile to withstand the toughest conditions
- Bead blasting closes aluminum porosity. Brushing process provides long-lasting high-shheen finish

Not recommended to interchange with other manufacturers' products

## Wedge 2" Seat Mounts

- Installed Height: 3"

Description	ABYC Code	OEM Part #	Part #
Cast Aluminum, Black E-Coat Steel, 3° Tilt	B	—	SP-18914



## Wedge 2" Extension Posts

Description	ABYC Code	OEM Part #	Part #
<b>2" Fixed Height Posts</b>			
11" Satin Anodized	B	—	SP-28911
13" Satin Anodized	B	—	SP-28913



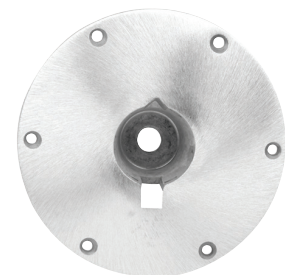
## Wedge 2-3/8" Extension Posts

Description	ABYC Code	OEM Part #	Part #
<b>2-3/8" Adjustable Height Posts - Power Pedestals (w/ Integral Seat Mount)</b>			
13" - 19" Satin Anodized	B	—	SP-37904
24" to 30" Satin Anodized	B	—	SP-37914

## Wedge 2" Base Plates

- Required Diameter Mounting Hole: 3.25"
- Depth Below Deck: 2"

Description	ABYC Code	OEM Part #	Part #
9" Round, Brushed Aluminum	AO	—	SP-68914



**AO: Operator** (Used at the helm/driver position)

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

See page 234 for ABYC Requirements.

## Lock'N-Pin 3/4" Pin

### #1 supplier of 3/4" pin seating hardware. Here's why:

- The 3/4" system gives you outstanding economical performance
- The design is proven by decades of experience
- Posts are available as fixed, manually adjustable or power adjustable
- Seat mounts, posts and bases are available in steel, aluminum or stainless steel

### The Difference

- The patented Lock'N-Pin system leads the industry in safety
- Lock'N-Pin prevents unintentional detachment for seat mounts, posts and bases
- Lock'N-Pin products meets ABYC Standard H31.6.1

Not recommended to interchange with other manufacturers' products

## Lock'N-Pin 3/4" Pedestal Packages

- Includes Brushed aluminum post, black E-coated seat mount with Spring & Base Plate.

Finish	7"x7" Base Plate	Threading	ABYC Code	Post	Post	Seat Mount	Base Plate	OEM Part #	Part #
—	Stainless Steel	Non-Threaded	B	11"	2114	1002	67739	—	97739
—	Stainless Steel	Threaded	B	11"	2114-T	1002	67739-T	—	97739-T
—	Stainless Steel	Threaded	B	13"	2134-T	1002	67739-T	—	977339-T
Brushed Aluminum	Aluminum	Non-Threaded	B	11"	2114	1002	67749	—	97749-7
Camouflage	Aluminum	Non-Threaded	B	11"	2114	1002	67749	—	97749C-7



97749-7

97749C-7

## Lock'N-Pin 3/4" Pin Seat Mounts

Description	Tilt	Pin	ABYC Code	Installed Height	OEM Part #	Part #
Zinc-plated	3°	2-3/4" Steel Pin w / Spring	B	2"	—	SP-1002
Black E-Coated	3°	2-3/4" Steel Pin w / Spring	B	2"	1002	—
Black E-Coated	3°	2-3/4" Steel Pin	B	1"	1002-S	—
All Stainless Steel	3°	2-3/4" Stainless Steel Pin	B	1"	1002-SS	—



1002

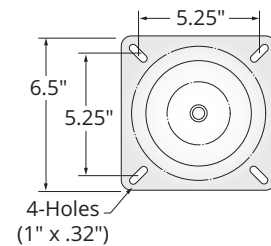


1002-SS

## 075 Pedestal Kits

- Kits include 5-1/4" x 5-1/4" seat mount, post and 7" x 7" base plate.
- Attwood's 3/4" pin kit is corrosion resistant, features a 360 degree swivel, a shock absorbing spring, and a removable pin post.
- Lock N' Pin technology features an all steel pin, increasing pedestal strength and durability.
- Add 3" to post height to get total height, measured from deck to seat.

Post	Finish	ABYC Code	OEM Part #	Part #
13"	Brushed Aluminum	B	—	97750-7
13"	Realtree MAX-4 Camouflage	B	—	97750C-7



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

See page 234 for ABYC Requirements.

## Lock'N-Pin 3/4" Pin Posts

Height	Dia	Pin	ABYC Code	OEM Part #	Part #
<b>Fixed Height Posts</b>					
6"	1.5"	Brushed Aluminum Non-Threaded, Steel Pin	B	2064	—
11"	1.5"	Brushed Aluminum Non-Threaded, Steel Pin	B	2114	SP-2114
11"	1.5"	Brushed Aluminum Threaded, Steel Pin	B	2114-T	SP-2114-T
13"	1.5"	Brushed Aluminum Non-Threaded, Steel Pin	B	2134	SP-2134
13"	1.5"	Brushed Aluminum Threaded, Steel Pin	B	2134-T	SP-2134-T
13"	1.5"	Brushed Aluminum Non-Threaded, SS Pin	B	2134-SS	—
13"	1.5"	Brushed Aluminum Threaded, SS Pin	B	2134-T-SS	—
13"	1.5"	Polished SS Offset Post 6", Threaded, SS Pin	B	7153-T-SS	SP-7153-T-SS
16"	1.5"	Brushed Aluminum Non-Threaded, Steel Pin	B	2164	SP-2164
16"	1.5"	Brushed Aluminum Threaded, Steel Pin	B	2164-T	SP-2164-T
24"	1.5"	Brushed Aluminum Pro-Post, Non-Threaded, Steel Pin	B	2244	SP-2244
<b>Adjustable Height Posts - Manual</b>					
25"-31"	1.5"	Brushed Aluminum Pro-Post, Non-Thread, Steel Pin	B	2244-ADJ	SP-2244-ADJ
25"-31"	1.5"	Brushed Aluminum Pro-Post, Threaded, Steel Pin	B	2244-ADJ-T	SP-2244-ADJ-T
<b>Adjustable Height Posts - Power Pedestals with Integral Seat Mounts</b>					
14"-17"	1.77"	Brushed Aluminum Non-Threaded, Steel Pin	B	3004	SP-3004
14"-17"	1.77"	Brushed Aluminum Threaded, Steel Pin	B	3004-T	SP-3004-T
24"-30"	1.77"	Brushed Aluminum Pro-Post, Non-Thread., Steel Pin	B	3204	SP-3204
24"-30"	1.77"	Brushed Aluminum Pro-Post, Threaded, Steel Pin	B	3204-T	SP-3204-T
24"-30"	1.77"	Brushed Aluminum Pro-Post, Threaded, SS Pin	B	3204-T-SS	—
<b>Adjustable Height Posts - Power Pedestals for Use with 3/4" Pin Seat Mounts</b>					
15"-18"	1.77"	Brushed Aluminum Non-Threaded, Steel Pin	B	3004-R	SP-3004-R
15"-18"	1.77"	Brushed Aluminum Threaded, Steel Pin	B	3004-R-T	SP-3004-R-T
15"-18"	1.77"	Brushed Aluminum Threaded, SS Pin	B	3004-R-T-SS	—
24"-30"	1.77"	Brushed Aluminum Non-Threaded, Steel Pin	B	3204-R	SP-3204-R
24"-30"	1.77"	Brushed Aluminum Threaded, Steel Pin	B	3204-R-T	SP-3204-R-T
24"-30"	1.77"	Brushed Aluminum Threaded, SS Pin	B	3204-R-T-SS	—



2114-T

2114

7153-T-SS

3204-T

3004-R

2134-SS

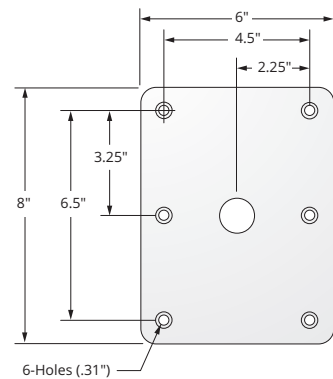
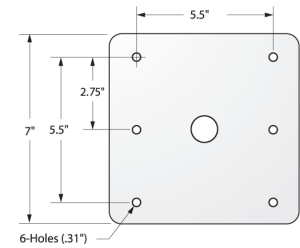
2244-ADJ-T

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

See page 234 for ABYC Requirements.

## Lock'N-Pin 3/4" Pin Bases

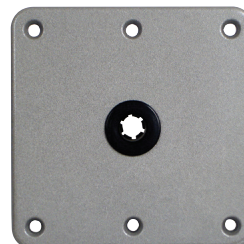
Description	Bushing	ABYC Code	Req. Dia. Mounting Hole	Depth Below Deck	OEM Part #	Part #
<b>Zinc Plated Steel</b>						
6" x 8"	Non-Threaded	Bronze	B	2.75"	2.5"	6682 —
6" x 8"	Threaded	Bronze	B	2.75"	3.5"	6682-T —
7" x 7"	Non-Threaded	Acetal	B	2.75"	2.5"	67729 —
7" x 7"	Threaded	Acetal	B	2.75"	3.5"	67729-T SP-67739-T
<b>Aluminum</b>						
7" x 7", Clear Coat	Non-Threaded	Acetal	B	3.5"	2.5"	67749 SP-67749
<b>Stainless Steel Finish with Steel Lip Tube</b>						
3" x 4"	Non-Threaded	Acetal	B	1.5"	2.5"	63439 —
4" x 8"	Non-Threaded	Acetal	B	1.5"	2.5"	64839 SP-64839
4" x 8"	Non-Threaded	Bronze	B	1.5"	2.5"	6483 —
4" x 8"	Threaded	Bronze	B	1.5"	3.7"	6483-T —
6" x 8"	Non-Threaded	Acetal	B	2.75"	2.5"	66839 SP-66839
6" x 8"	Threaded	Bronze	B	2.75"	3.7"	6683-T —
6" x 12", Dual Socket	Threaded	Bronze	B	2.75"	3.7"	66123-T —
7" x 7",	Non-Threaded	Acetal	B	2.75"	2.5"	67739 SP-67739
7" x 7",	Non-Threaded	Bronze	B	2.75"	2.5"	6773 —
7" x 7",	Threaded	Bronze	B	2.75"	3.5"	6773-T —
7" x 7", Unfinished	Threaded	Bronze	B	2.75"	3.7"	6773-T-U —
7" x 7", Offset Hole	Non-Threaded	Acetal	B	2.75"	2.5"	67739-SC —
<b>All Stainless Steel</b>						
4" x 4"	Non-Threaded	Acetal	B	1.5"	2.5"	64439-SS —
4" x 4", Polished	Threaded	Bronze	B	2.75"	3.7"	6443-T-P-SS —
7" x 7"	Non-Threaded	Acetal	B	2.75"	2.5"	67739-SS —



67729



67739-SC



67749



67739-SS



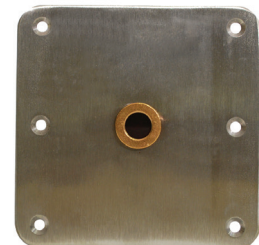
66839



67739



64839



6773

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

See page 234 for ABYC Requirements

# Value Pedestals, Swivels & Adapters

We have the boating experience to deliver all the accessories you want:

Seating accessories for retrofitting and improving

- Adapters to change a post installation or swivel location
- Table mounts to make boating more convenient and enjoyable

## Pedestals

Little on price, big on performance

- Exceptional durability
- Reinforced welded joints
- Black powder coated for a long lasting finish

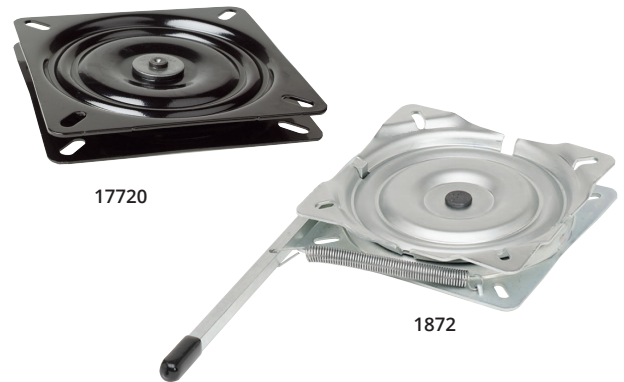
Height	OEM Part #	Part #
7"	—	90720
13"	—	91320
11-1/2"-17-1/2", adjustable	—	91320-ADJ



## Seat Swivels

- 17720 and 17721 are 10 per box

Description	OEM Part #	Part #
Zinc Plated, 0° Tilt, 4-Way Locking	1872	—
Black Powder Coated, 0° Tilt, 6-1/4" (10 p/Box)	—	17720
Black Powder Coated, 3° Tilt, 7" (10 p/Box)	—	17721



## Seat Mounts

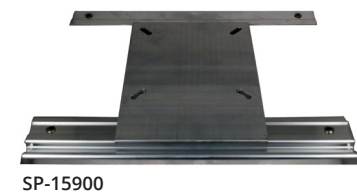
### Bench Style Seat Mounts

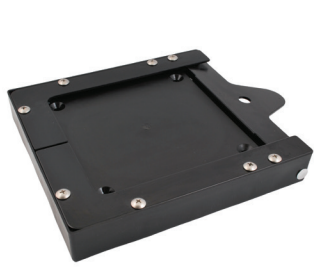
- Great for mounting seats in jon boats
- Constructed of quality aluminum

### Clamp-On Boat Seat Swivel

- Adjusts from 7-1/2" to 18"
- Black powder coated swivel
- Fits most seat hole patterns

Description	OEM Part #	Part #
<b>Bench Style Seat Mounts</b>		
Seat Plate and 15" Rails Kit	—	SP-15900
Seat Plate Only	—	SP-15100
30" Rails Only	—	SP-15200
<b>Clamp-On Boat Swivel</b>		
Boat Swivel	—	15700-3





11602D1



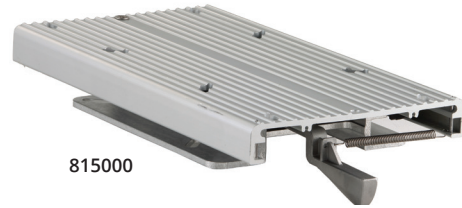
11603D1

### Quick Disconnect Seat Mount

Allows for easy attachment and removal of boat seats for ease in storage and care.

- Durable engineered plastic and coated structural steel frame.
- Easy to install and use, mounts directly to existing seats and standard pedestals.
- Perfect for Jon boats, fishing boats, pontoons and more.

Description	OEM Part #	Part #
Fits 6-1/4" (15.9 cm) swivel and plates	—	11602D1
Fits 7" (17.8 cm) swivel and plates	—	11603D1



815000

### Deck Slide

- Mounts directly to the boat deck
- 1-5/8" total height
- Constructed of strong aluminum
- Convenient front control operation
- 4.5" of travel fore to aft.

OEM Part #	Part #
815000	—



7062

### Seat Swivel Offset

Need more room to maneuver? The 6" offset allows additional seat clearance in any position.

OEM Part #	Part #
—	7062-3

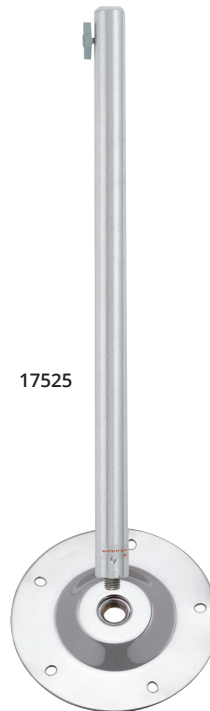


SP-14000

### Pedestal Pin Post Adapter

Converts 1.77" bases to accept 3/4" posts.

OEM Part #	Part #
—	SP-14000



17525

952

### Table Top Mount System

Description	OEM Part #	Part #
Brushed aluminum post with tension knob. Threaded for use in base. 25"	17525	—
6" diameter round stainless steel base, threaded Flush mounts to deck. Low profile.	—	952

## Seating Offerings

Page #	OEM Part #	Part #	Material
<b>Aergo (Kits)</b>			
240	98961-1	—	Plastic/Foam
	98963-1	—	Plastic/Foam
	98990-1	—	Plastic/Foam
	98991-1	—	Plastic/Foam
<b>Avenir (Components)</b>			
239	98201-1	—	Plastic
	98202-1	—	Plastic
	98203-1	—	Plastic
	98204-1	—	Plastic
	7060-1	—	Plastic
	7040-1	—	Plastic
	ATT103	—	Foam
	ATT101	—	Foam
	ATT102	—	Foam
	ATT109	—	Foam
ATT110	—	Foam	
<b>Casting Seats</b>			
241	—	98505WH	White Vinyl
	—	98505CA	Camo Vinyl
	—	98505GY	Gray Vinyl
<b>Centric X (Components)</b>			
236	98900-1	—	Plastic
	98908-1	—	Plastic
	98910-1	—	Plastic
	ATT200-1	—	Foam
	ATT205-1	—	Foam
	ATT210-1	—	Foam
237	98100-1	—	Plastic
	98120-1	—	Plastic
	7009-1	—	Plastic
	7006-1	—	Plastic
	98124	—	Plastic
	ATT001	—	Foam
238	ATT008	—	Foam
	ATT009	—	Foam
	ATT016	—	Foam
	ATT002	—	Foam
	ATT007	—	Foam
<b>Molded Bucket Seat</b>			
241	—	98390GY	Plastic



# Seat Types & ABYC Requirements

## Meets the Highest Standards

The American Boat & Yacht Council has established rigorous safety standards for seating hardware. Since seating is the critical interface between a boating passenger and a safe and comfortable boat, we meet ABYC standards to ensure strength and safety of every product.

To make specifying simple, we've created a coding system for each seat type. Throughout this catalog, each code listed in the table shows the rating applied to individual hardware.

### Seat Type: AN, Non-Operator

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

#### ABYC Requirements:

- 31.7.4.2 Seat swivel locking mechanisms, when locked, shall not rotate relative to the seat base when subjected to a torque of 30 ft-lb (41 Nm).
- 31.4.10 Type A Seat - a seated designated occupant position while the vessel is underway at any boat speed.
- 31.7.1 All Type A adjustable seat slide and swivel mechanisms shall be provided with a locking means for its slide and swivel operations.
- 31.7.2 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position.
- 31.7.3 Operator seats with a vertical adjustment feature shall have a positive vertical locking mechanism. EXCEPTION: Seats equipped with a pneumatic or electrical vertical adjustment feature that permits the seat to be set in any vertical position throughout its vertical range of travel.

### Seat Type: AO, Operator

(Used at the helm/driver position)

#### ABYC Requirements:

- 31.7.4.3 All operator's seats shall have a positive locking mechanism that permits the seat to be locked in the forward facing position and any other intended position(s) and capable of withstanding 150 ft-lb (205 Nm) of torque.
- 31.7.6.2 All seats interchangeable with the operator's seat must meet the requirements of this section.
- 31.4.10 Type A Seat - a seated designated occupant position while the vessel is underway at any boat speed.
- 31.7.1 All Type A adjustable seat slide and swivel mechanisms shall be provided with a locking means for its slide and swivel operations.
- 31.7.2 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position.
- 31.7.3 Operator seats with a vertical adjustment feature shall have a positive vertical locking mechanism. EXCEPTION: Seats equipped with a pneumatic or electrical vertical adjustment feature that permits the seat to be set in any vertical position throughout its vertical range of travel.

### Seat Type: B

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

#### ABYC Requirements:

- 31.4.11 Type B Seat - a seated designated occupant position at boat speeds not exceeding five miles per hour.

#### Exceptions:

- 31.1 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.

## ABYC H31 Seat Standards

### General requirements for all seat types. (AO, AN, B)

- 31.5.1 Seats that are readily removable from permanently installed bases shall be provided with a means for securing the seat, columns, pedestal, etc to prevent unintentional detachment from its installed position.
- 31.5.2 Seats not intended to be in an installed position at speeds over five miles per hour shall have a means of securing any readily removable component of a seat assembly (e.g., seat, column, pedestal, etc) when removed from its installed position.
- 31.9 All seat components meet ABYC structural testing requirements (final determination of compliance with standard is "as installed" by the boat manufacturer).

Specific ABYC requirements are based on the specific seat type.

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

# The Factors of Seating Comfort

What makes a seat comfortable? The answer becomes complex as boating becomes more specialized and boaters more sophisticated. As your seating expert, Attwood stays ahead of design trends. In the columns below we list the universal and specialized comfort factors you should look for in any seat you choose.

## Universal Factors

### Contouring

- The seat's backrest follows the natural curve of the spine
- An upward curve at the back of the seat pan rotates the pelvis forward and properly positions the lumbar region
- A rounded front ("waterfall") edge reduces pressure on the thighs

### Backrest Angle

- The seat relieves pressure by shifting upper body weight to the backrest, while not reducing support. This is done by angling the seat and seat mount
- Optimal seat pan-to-backrest angle is 95° -105° for passengers, 95° - 100° for drivers

### Seat Height

- Pedestal height is critical for comfort and driver's vision. If too low: weight shifts onto the sitting bones. If too high: weight shifts onto back of the thighs and into the spine
- Seat height should be adjustable within a 5" range — 14-1/2" to 19-1/2" above the deck

### Proper Dimensions

- Seats should fit a range of body sizes
- Attwood's seats accommodate body frames ranging from small (5th percentile female) to large (95th percentile male)

## Specialized Factors

### Shock Absorption

- Attwood was the first to create effective shock absorption that isolates the boater's spine from hull pounding. Attwood accomplishes this through our two revolutionary seating suspension systems. Both take a 4G hit without transferring shock to the rider by providing 3-inches of travel for a soft landing without bottoming out.

### Cushioning

- On Attwood seats, the right amount of sculpted foam enhances the comfort and support already designed into the ergonomic contour
- If foam is too thick, the body "swims" without support, and movement is restricted
- If the foam is soft or thin, it "bottoms out," leading to discomfort or injury

### Breathability

- Venture folding fishing seats have ventilated seat back and pan to allow pass-through of air and water for increased comfort

### Accessories

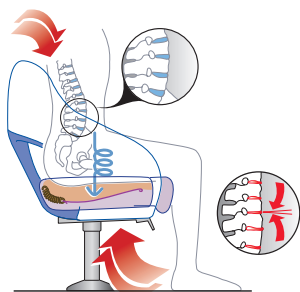
- A flip-up bolster can add height and improve the field of vision for maneuvering



## SAS and 4G Mesh SAS Suspensions Provide

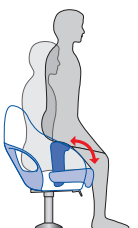
### Dynamic Comfort Underway

While underway, both SAS suspension types absorb up to 4Gs of impact from waves and hull pounding.



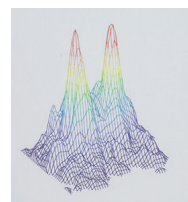
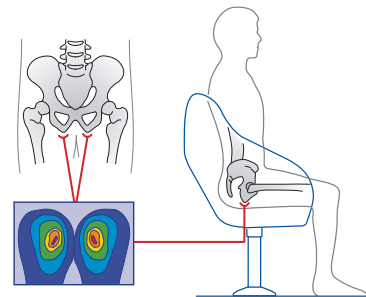
With Suspension  
Impact is absorbed by the suspension — not the boater.

Without Suspension  
Repeated impact can cause pain and chronic disk injury.

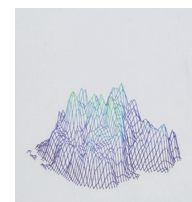


### Static Comfort for Relaxing

Even while idle and sitting still, the SAS suspension adjusts to pressure and adds long term comfort.



Conventional Seat  
Graphs show that conventional seats allow pressure points and impaired circulation around sharp "sitting bones".



Seat with Suspension  
The Attwood suspensions have stretching action to minimize pressure points.

# Seating Systems

## Centric X Seat Systems

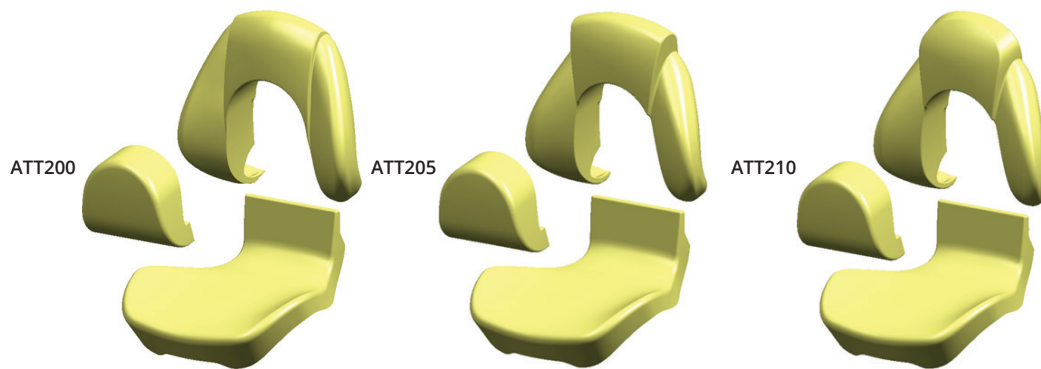
These sleek, functional, and ergonomically designed seats provide the new look you've been looking for in folding fishing or helm seats! Just choose the base plastic kit that suits your functional needs. Then choose a stylish foam kit and complete your look.



## Centric X Seat Shell Kits

Centric X seat shell kits contain all plastic components to assemble. Base pieces include corrosion-resistant T-nuts for pedestal attachment. Kits include assembly hardware.

Description	For Use with Foam Pack	ABYC Code	OEM Part #	Part #
Non-SAS, Gray	ATT200-1, ATT205-1, or ATT210-1	AO, AN	98900-1	—
Non-SAS, Dark Gray	ATT200-1, ATT205-1, or ATT210-1	AO, AN	98908-1	—
Non-SAS, Duck	ATT200-1, ATT205-1, or ATT210-1	AO, AN	98910-1	—



## Centric X Molded Foam Packs

Centric X molded foam kits come in a variety of shapes to fit your individual styling needs.

Description	ABYC Code	OEM Part #	Part #
Non-SAS Standard Foam Pack	AO, AN	ATT200-1	—
Non-SAS Flared Headrest Foam Pack	AO, AN	ATT205-1	—
Non-SAS Rounded Headrest Foam Pack	AO, AN	ATT210-1	—

For questions regarding Attwood's most up-to-date seating selections, or for assistance with your seating application, contact your Sales Representative or Attwood Customer Service

**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements

## Centric Seat Systems

With all of its features, Centric is surprisingly easy to upholster using our molded foam packs. Centric seat components consist of blow-molded fishing or helm seat cores, injection molded upholstery inserts for the backrest and seat back hinge cover, and molded foam packs.

### Centric Seat Core Kits

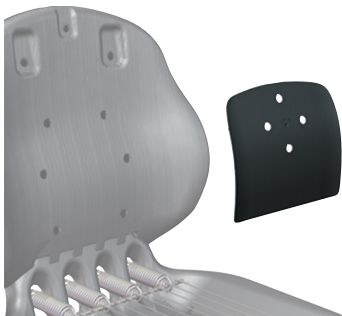
Centric seat core kits include the seat pan with a choice of Mid-Back and High-Back backrest styles. Each seat includes a separate seatback insert to cover and protect the hinge. Insert can be applied and then upholstered over with the rest of the seatback or upholstered separate of the seatback as a means of providing an accent piece. Seat cores include corrosion-resistant T-nuts for attachment to seat pedestals.

### Centric Upholstery Inserts

The Upholstery Inserts speed up the upholstery of the backrest and provide an easy means of adding a stylish accent piece with deep-tuck seam. Insert posts snap securely into seat core using foolproof clips for quick, easy assembly.



Description	For Use with Foam Packs	ABYC Code	OEM Part #	Part #
<b>Seat Cores and Inserts</b>				
Mid-Back Core, Black	ATT001, ATT002, ATT007	AO, AN	98100-1	—
High-Back Core, Black	ATT007, ATT008	AO, AN	98120-1	—
Mid-Back Insert	ATT009	AO, AN	7009-1	—
High-Back Insert	ATT008	AO, AN	7006-1	—
Mid-Back II Insert	ATT016	AO, AN	98124	—



**AN: Non-Operator** (Not to be used at the helm/driver position)  
**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements

## Centric Molded Foam Packs

Molded foam packs are contoured to enhance the ergonomic shape of Centric's seat core for maximum comfort and style. Eliminates labor-intensive and costly cut foam and provides a consistent shape that improves the quality of the upholstered seat. Centric foam packs are offered with a choice of integrated "hook and loop" or "onsert" upholstery methods.

**Hook and Loop** - Joins upholstery seam-to-foam to form a moderate tuck.

**Onserts** - provide a deep tucked seam depth by using a separate upholstered panel.



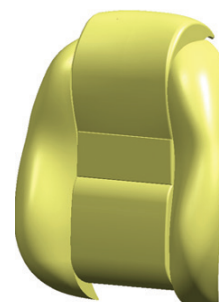
ATT001



ATT008



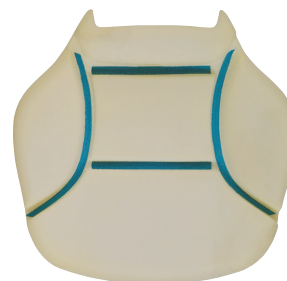
ATT009



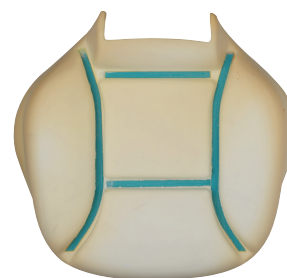
ATT016

Description	For Use with Component(s)	ABYC Code	OEM Part #	Part #
<b>Backrest Foam Packs</b>				
Mid-Back, Hook & Loop	98100	AO, AN	ATT001	—
High-Back, w/Onsert	98120, 7006	AO, AN	ATT008	—
Mid-Back, w/Onsert	98100, 7009	AO, AN	ATT009	—
Mid-Back II Foam Pack	98121, 98124	AO, AN	ATT016	—
<b>Seat Pan Foam Packs</b>				
Sport Weight Hook & Loop	98100, 98200, 98120, 98121	AO, AN	ATT002	—
Luxury Weight Hook & Loop	98100, 98200, 98120, 98121	AO, AN	ATT007	—

For questions regarding Attwood's most up-to-date seating selections, or for assistance with your seating application, contact your Sales Representative or Attwood Customer Service.



ATT002



ATT007

**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements

## Avenir™ Sport & Avenir™ Seat Systems

Avenir molded seating components have just four interlocking parts. This easy-to-install design, along with the universal hole pattern, reduces your upholstery and installation costs. Avenir uses marine-grade materials, a thermoplastic shell, and a stainless steel suspension grid with corrosion proof springs. These components utilize a shell and backrest upholstery insert which speeds up the upholstery of the seat shell and provide an easy means of adding stylish accent piece with deep-tuck seam. Onsert posts snap securely into the seat shell using foolproof clips for a quick and easy assembly.



### Avenir Complete Kits

Description	Includes	ABYC Code	OEM Part #	Part #
<b>Avenir Sport Kits</b>				
Standard	ATT101, ATT102, ATT110, 7034, 7043, 7044	AO, AN	98201-1	—
Lumbar	7033, ATT101, ATT102, ATT110, 7034, 7043, 7044	AO, AN	98202-1	—
Headrest	7032, ATT101, ATT102, ATT109, 7034, 7043, 7044	AO, AN	98203-1	—
<b>Avenir Midback Kit</b>				
Avenir Midback Kit	7040-1, 7023, 7041, 7043, 7044, 7060-1, ATT101, ATT102, ATT103	AO, AN	98204-1	—



### Avenir Upholstery Trim Rings

Avenir Upholstery Trim Rings provide a finished cap to cover seam where mesh and vinyl meet in ventilation holes at back of seat.

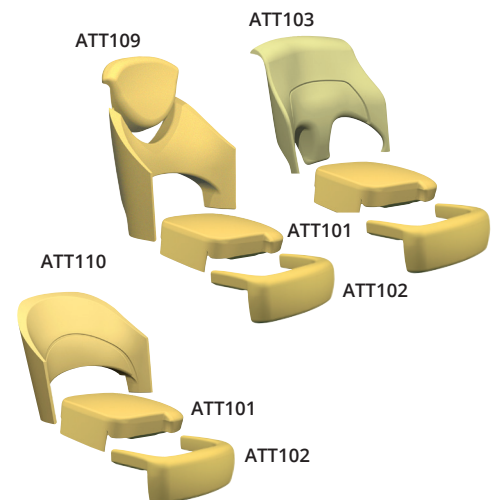
Description	ABYC Code	OEM Part #	Part #
<b>Avenir Midback Trim Rings</b>			
Left Side Trim Ring, White Plastic	AO, AN	7060-1	—
Right Side Trim Ring, White Plastic	AO, AN	7040-1	—



### Avenir Molded Foam Packs

Molded foam packs are contoured specifically to enhance an ergonomic design for maximum comfort and style. Eliminates labor-intensive and costly cut foam and provides a consistent shape that improves the quality of the upholstered seat.

Description	For Use with Component	ABYC Code	OEM Part #	Part #
<b>Avenir Midback Foam Packs</b>				
Avenir Midback Backrest Foam	—	AO, AN	ATT103	—
<b>Seat Pan Foam Packs</b>				
SAS Seat Pan	—	AO, AN	ATT101	—
<b>Bolster Foam Packs</b>				
Flip-up Bolster	—	AO, AN	ATT102	—
<b>Avenir Sport Foam Packs</b>				
Avenir Sport Backrest with Headrest	—	AO, AN	ATT109	—
Avenir Sport Backrest with Lumbar Option	—	AO, AN	ATT110	—



For questions regarding Attwood's most up-to-date seating selections, or for assistance with your seating application, contact your Sales Representative or Attwood Customer Service

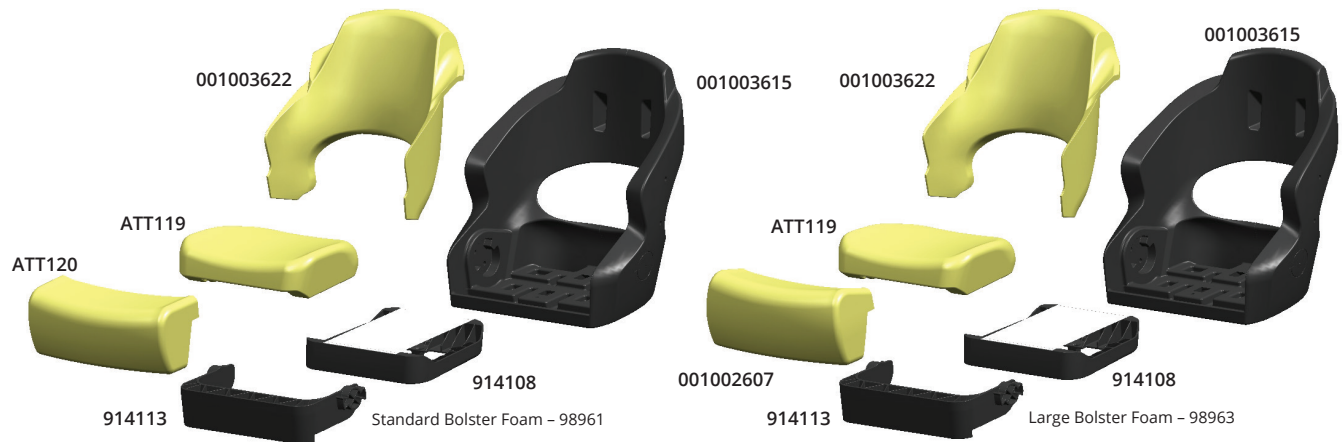
**AN: Non-Operator** (Not to be used at the helm/driver position)

**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements

## Aergo Seat Systems

These Aergo Kits contain all the molded foam and plastic in one! Our 4G Mesh SAS Shock Absorbing System and molded-in armrests give extra functional elements to the design and ergonomic comfort of this seat. These kits contain the molded core, pan, and bolster plastic and foam pieces. You can choose either the standard kit, which contains standard bolster foam, or the large bolster kit which has larger bolster foam for added comfort during elevated seating.



## Aergo 240 Kits

Description	ABYC Code	OEM Part #	Part #
Aergo 240 Kit with standard bolster	AO, AN	98961-1	—
Aergo 240 Kit with large bolster	AO, AN	98963-1	—



## Aergo 220 Kits

Description	ABYC Code	OEM Part #	Part #
Aergo 220 Kit with standard bolster	AO, AN	98990-1	—
Aergo 220 Kit with large bolster	AO, AN	98991-1	—

**AN: Non-Operator** (Not to be used at the helm/driver position)  
**AO: Operator** (Used at the helm/driver position)

See page 234 for ABYC Requirements

## Fishing Seats

### Molded Bucket Seat

This one piece molded plastic boat seat is made from high-impact plastic. Seat includes mounting screws. 18"W x 21"D x 16"H.

Color	ABYC Code	OEM Part #	Part #
Gray	B	—	98390GY



98390GY

### Casting Seats

This casting seat is constructed with quality materials and workmanship. Made with marine-grade vinyl, it offers long-term support and comfort. A universal casting seat, it works with any casting seat application. Available in white, gray or camo. 15"W x 11"D x 6"H.

Color	ABYC Code	OEM Part #	Part #
White	B	—	98505WH
Camo	B	—	98505CA
Gray	B	—	98505GY



98505WH



98505GY



98505CA

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

See page 234 for ABYC Requirements

# TABLE HARDWARE



# TABLE HARDWARE

## Pedestals



245

All pedestals are rated and designed to surpass industry standards, ensuring the safety of boaters.

## Pedestal Hardware



247

Ideal for any boat type, Attwood's pedestal hardware is designed to withstand tough marine conditions.

## Side Mount Coaming Table Leg System



249

Attwood's Side Mount Tables allow for easy installation and removal of a table system to any vertical surface. Engineered for stability and designed to complement any boat type.

## Table Hardware

Attwood's stylish table hardware is engineered for stability and designed to complement any boat type. From easy-to-use, removable table pedestals, to elegant, height-adjustable gas rise systems, our table collection meets any boaters' needs.



## Gas Rise Yacht Table Base

Gas Rise Yacht Table Base is ideal in workrooms, galley or pilot house. Crews can adjust table heights to accommodate work environments and the ultra-smooth gas-powered operation makes height adjustments effortless.

- Ultra-smooth adjustable gas powered operation
- Self-standing with table top support
- Polished and anodized finish to resist saltwater corrosion

Part #	Adjustable Height	Stanchion Tube	Stanchion Tube Inside Diameter	Top Plate	Self-standing Square Base
75460	40 lb. Gas Spring Low 20"– 29" (51cm–74cm)	3.5" (9cm)	2.875" (7cm)	9" x 13" (23x33cm) .25" (1cm) thick	19" (48cm) .375" (1cm) thick



75460

## 4.0" Table Pedestals – 2-Stage Gas Rise Yacht Table Pedestal

2-Stage Gas Rise Yacht Table Pedestal is designed to withstand rugged work conditions. Crews can adjust table heights to accommodate their work environment. Ideal in workrooms, galley or pilot house, crewman can adjust table heights with an easy-to-use lifts.

- Ultra-smooth adjustable gas powered operation
- Robust design provides adjustable height in salon/cabin and back deck areas
- Adjustable height with two polished stainless handles
- Polished and anodized finish resist saltwater corrosion

Part #	Adjustable Height	Stanchion Tube	Stanchion Tube Inside Diameter	Top Plate	Round Base
75470S	56 lb. Gas Spring Low 12.75"– 28" (32cm–71cm)	4" (10cm), 3.5" (9cm)	2.875" (7cm)	12" x 12" (30.5cm x 30.5cm)	12" (30.5cm)



75470S



Closed

## 2.875" Table Pedestals – Aluminum

2.875" (7cm) pedestals provide larger boats with removable table options designed to withstand the tough marine conditions

- 3 piece, all-aluminum provides solid table base
- Fluted profile stanchion with protective anodized finish
- Tapered on both ends for a snug, wobble-free fit

Part #	Description	Overall Height	Post	Base
75350S*	Flush Mount Base with Fluted Anodized Tube, 3-piece set	29.375" (75cm)	2.875" (7cm)	9.25" (23.5cm)
75351S	Surface Mount Base with Fluted Anodized Tube, 3-piece set	30" (76cm)	2.875" (7cm)	9.25" (23.5cm)
75373S	Fluted Taper Stanchion Post for Conversion to "Bunk" Height	14.5" (37cm)	2.875" (7cm)	—
75355S	Flush Mount taper Socket Base ONLY	—	—	9.25" (23.5cm)
75356S	Surface Mount taper Socket Base ONLY	—	—	9.25" (23.5cm)
75357S	Fluted Taper Stanchion Post ONLY	31.5" (80cm)	2.875" (7cm)	—
75358S	Fluted Taper Stanchion Post ONLY	28.75" (73cm)	2.875" (7cm)	—
99140	Leg Clip for 2.875" (7cm) Tubing	—	—	—

\* Flush mount bases require drilling into deck and extend 2.75" (7cm) below deck



75356S Surface Mount



75355S Flush Mount



99140



75350S

## 2.25" Table Pedestals – Aluminum

2.25" (6cm) pedestals provide smaller boats with removable table options designed to withstand the tough marine conditions

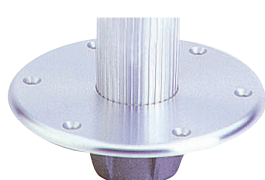
- 3 piece, all-aluminum provides solid table base
- Fluted profile stanchion with protective anodized finish
- Tapered on both ends for a snug, wobble-free fit

Part #	Description	Overall Height	Post	Base
75340S*	Flush Mount Base with Fluted Anodized Tube, 3-piece set	29.375" (75cm)	2.25" (6cm)	7" (18cm)
75341S	Surface Mount Base with Fluted Anodized Tube, 3-piece set	29" (74cm)	2.25" (6cm)	7" (18cm)
75343	Fluted Taper Stanchion Post for Conversion to "Bunk" Height (Flush Mount)	13.25" (34cm)	2.25" (6cm)	—
75345S*	Flush Mount taper Socket Base ONLY	—	—	7" (18cm)
75346S	Surface Mount taper Socket Base ONLY	—	—	7" (18cm)
75347	Fluted Taper Stanchion Post ONLY (Flush Mount)	30.25" (77cm)	2.25" (6cm)	—
75348	Fluted Taper Stanchion Post ONLY (Surface Mount)	27.625" (70cm)	2.25" (6cm)	—
99139	Plug Cap	2.25" DIA. (6cm)	—	—
99193	Leg clip for 2.25" (6cm) tubing	—	—	—

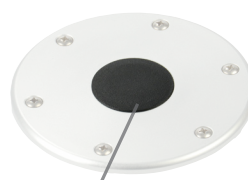
\* Flush mount bases require drilling into deck and extend 2.75" (7cm) below deck



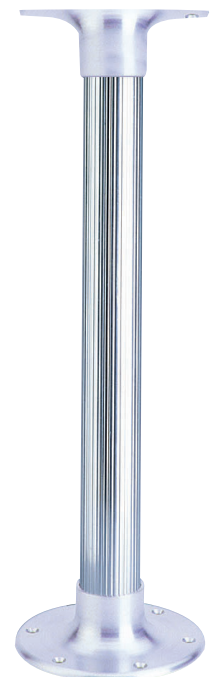
75346S Surface Mount



75345S Flush Mount



99139 Plug Cap



75341S



## 2.25" Table Pedestals – Quick Release Table Pedestal System

Quick Release Table Pedestal System makes your boating experience simple and easy to enjoy. Our quick release levers allow easy removal for storage and low-profile deck ring mounts provide minimal interference on your deck space.

- Complete system includes: deck ring, socket base, table mounting socket
- Marine grade polymer components resist corrosion
- Stanchion tube is Anodized aluminum with ribbed finish and tapered at both ends
- 9.25" (23.5cm) and 13" (33cm) stanchion posts available for converting dinette into bunk use
- Individual components available if additional mounting locations are desired

### Complete System

Part #	Stanchion Tube Height	Stanchion Tube Diameter	Installed Height
75640	25.5" (65cm)	2.25" (6cm)	27" (69cm) - Deck surface to table top underside

### Individual Components

Part #	Description	Diameter	Height
75642	Deck ring cover - black	6.58" (16.7cm)	—
75645	Surface mt. socket base w/ deck ring	6.625" (17cm)	—
75646	Surface mt. deck ring	6.25" (16cm)	—
75648	Table adapter socket	7.25" (18cm)	—



75640



75642



75645



75646

## Stowable Pedestal System with Table Top

Stowable Pedestal System with Table Top provides salon areas and pontoon decks with removable dinette table option.

- Complete set includes table top, ribbed tubing, surface mount and flush mount castings
- Anodized finish to resist saltwater corrosion

### Storage Brackets

- Mount to side coaming or transom for storing table pedestals
- High density black delrin



75449  
Teak

Part #	Description	Dimensions
75449-21	Teak oval table with attached surface mount casting	18" x 30" (46cm x 76cm)
99193	Storage mounting brackets	2.25" (6cm)



99193

## Adjustable Table Base – Gas Rise or Manual

Adjustable Table Base comes as a gas rise or manual system that's perfect for converting dinettes to berths.

Part #	Adjustable Height	Stanchion Tube Diameter	Base Diameter	Smooth	Ribbed
75325	Manual Rise Low 14.5"– 30.75" (37cm-78cm) Protrudes 6" (15cm) below deck	2.875" (7cm)	9.25" (23.5cm)	—	✓
75425	Sealed Gas-powered Rise Low 14.5"– 29.5" (37cm-75cm) Protrudes 8.5" (22cm) below deck (63 lb. gas spring)	2.875" (7cm)	9.25" (23.5cm)	—	✓
75025	Manual Rise Low 14.5"– 30.75" (37cm-78cm) Protrudes 6" (15cm) below deck	2.875" (7cm)	9.25" (23.5cm)	✓	—
75225	Manual Rise Low 14.5"– 30.75" (37cm-78cm) Protrudes 6" (15cm) below deck	2.875" (7cm)	9.25" (23.5cm)	✓	—
99137-40	Replacement knob and rod 2.25" (6cm) long				



75425

## 3.5" Table Pedestals – Mid-Range Gas Rise Table System

Mid-Range Gas Rise Table System provides an adjustable table to salon and cabin areas. Have it mounted directly to the deck for a permanent table or to an anodized aluminum plate for a portable option.

- Gas Spring for lift
- Cam lock collar locks height adjustment in place
- Table Top mount is a permanent anodized aluminum plate

Part #	Adjustable Height	Stanchion Tube Outside Diameter	Stanchion Tube Inside Diameter	Top Plate	Round Base
75392	63 lb. Gas Spring Low 12.5"– 26" (32cm-66cm) Protrudes 11.5" (29cm) below deck	3.5" (9cm)	2.875" (7cm)	11" x 15" (28cm x 38cm)	9.25" (23.5cm)



75392

## Side Mount Coaming Table Leg System

Side Mount Coaming Tables allow for easy installation and removal of a table system to any vertical surface.

- Complete sets include table leg, surface mount base, side mount bracket, and table top
- Table leg removes from side mount bracket and table top removes from table leg for stowing when not in use
- Spring loaded locking pin holds table leg in place



Photo: Courtesy of Sea Ray Boats



### Complete Sets

Part #	Table Dimensions	Mounting Bracket Dimensions	Leg Height	Table Leg Extension	Table Leg Diameter	Installed Height	Table Leg Finish	Table Top Finish
75337	18" x 30" (46cm x 76cm)	5" W x 4" T (13cm W x 10cm T) .25" (.6cm) thick	19.25" (49cm)	16.5" (41cm) from vertical surface	2.25" (6cm)	16" (41cm) – plus distance from deck to mounting bracket and thickness of table top	Stainless Steel	Acrylic Coated ABS

Part #	Table Dimensions	Mounting Bracket Dimensions	Table Leg Finish	Table Top Finish
75359	18" x 30" (46cm x 76cm)	5" W x 4" T (13cm W x 10cm T) .25" (.6cm) thick	Anodized Aluminum	Acrylic Coated
75459	18" x 30" (46cm x 76cm)	5" W x 4" T (13cm W x 10cm T) .25" (.6cm) thick	Anodized Aluminum	Teak

### Pedestal

Part #	Leg Height	Leg Extension	Table Leg Diameter	Installed Height	Table Leg Finish
75343-10	18.5" (47cm)	15.625" (40cm)	2.25" (6cm)	18.5" (47cm) - plus distance from deck to mounting bracket and thickness of table top	Anodized Aluminum
75342-31	20.5" (52cm)	17.75" (45cm)	2.25" (6cm)	20.5" (52cm) - plus distance from deck to mounting bracket and thickness of table top (Leg used with 75337)	Stainless Steel
75342-92	18.25" (46cm)	11.125" (28cm)	2.25" (6cm)	18.25" (46cm) - plus distance from deck to mounting bracket and thickness of table top (Leg used with 75359 and 75459)	Anodized Aluminum



75343-10

### Mounting Bracket

Part #	Mounting Hole Dimensions	Bracket Finish
75402	5" W x 3" T (13cm W x 8cm T)	Polished 304 stainless steel



75402



# BOARDING LADDERS



# BOARDING LADDERS

## Transom Ladders



252

Transom ladders offer a unique combination of stowability and simplicity providing boaters quick, easy and safe re-boarding.

## Boarding Ladders



256

Attwood's boarding ladders are compact and designed to make it easy to install, board, stow, and maintain.

## Sport/Diver Ladders



258

Sport/Diver Ladders are versatile and detach and mount easily to platforms and extension brackets providing an unobstructed transom area. These ladders are convenient for scuba diving, swimming, water skiing, and fishing.



## Out of the way, yet instantly available: the ladder in transom

This patented "invisible" ladder system can be integrated stylistically into even the sleekest of hull shapes, opening entirely new avenues in safety and design.

### Invisible

When stowed, the Boarding Ladder sits fully within the transom of the boat. The only component of this revolutionary boarding system visible is a simple and stylish faceplate with an integrated locking and release feature.

### Quick & Easy

From either on board or in the water, the Boarding Ladder deploys instantly and easily with a simple one-handed tug on the release pin. Once out of its storage tube, the ladder's traction molded steps simply fold out, creating a sturdy and convenient series of steps for re-boarding.

### Versatile

There is a Boarding Ladder for just about any size and shape boat. Available in 3 and 4 step lengths, in both manual and semi-automatic configurations this ladder may be the most important feature you don't see.



## Integrated Transom Ladder

- For OEM installation only
- Designed for boats with negative 15-degree transom or positive based on the part number
- Offered in several styles to fit most OEM boarding applications
- Completely hidden from view when not in use
- Ladder unlocks and slides aft and into the water in one fluid motion
- This unique combination of stowability and simplicity helps provide boaters quick, easy and safe reboarding with no on board assistance.
- Compact operation: Steps open and close independently
- Semi-auto operation: All steps on common side open and close simultaneously

Part #

19902-##

### IMPORTANT:

There are many other versions available based on the boat manufacturer's specifications. Please consult your boat manufacturer for your correct ladder part number.



19902-##

19902-##

19902-##

## Compact II Transom Ladder

### Invisible, quick & easy and readily accessible

- Helps provide unassisted reboarding
- Complete ladder stows within transom and hull
- Steps open & close independently for ease of boarding
- Quick release ring w/ self-locking latch deploys ladder from storage
- Anodized aluminum channel body deploys out at 15-degree angle
- Available for aftermarket installation
- 275 lb weight capacity

Part #	Step Count	Length	Width	Mount Plate Dimensions
19700	3 Step	32.5" (83cm)	2" (5cm)	5" H x 4.5" W x 1" D (13cm x 11cm x 3cm)

19700



## Transom Platform Ladder Step – Stainless Steel

- Fold down ladder mounts to transom platform
- Step folds up onto platform for flat stowage
- Easy to install, includes 4.5" gudgeons and securing strap
- Fits 19530 swim platform (Page 36)
- Rated to 275 lb

Part #	Step Count	Overall Height/Width
19512	1	13" (33cm), W: 14.5" (37cm)

19512



### Under Platform Telescoping Ladder

- Steps telescope down easily
- Ladder slides up, under platform for stowage
- Flat poly treads for increased comfort
- Mounting hardware and securing strap included
- Self-locking angled support bracket
- Bungee cord securing strap included
- Stainless Steel – rated to 400 lb



19622-61

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length
19622-61	2	2.5" (6cm), W: 11.38" (29cm)	23.25" (59cm)	13.5" (34cm)
19623-61	3	2.5" (6cm), W: 11.63" (30.5cm)	34.5" (88cm)	14.5" (37cm)

### Over Platform Telescoping Ladder

#### WITH BLACK POLY STEPS

- Steps – fold out and over, telescope down easily
- Compact stowage – steps fold over flat on platform
- Comfortable black contour traction molded steps
- Standard folding gudgeons
- Securing strap included
- Nylon bushings between ladder sections prevent inadvertent deployment when flipping ladder into the water
- Designed, Engineered & Assembled in the U.S.A.
- Stainless steel – rated to 275 lb



19656

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length	Gudgeons Length
19655	2	1.25" (3cm), W: 14.5" (37cm)	23.5" (60cm)	13.5" (34cm)	5.75" (15cm)
19656	3	1.25" (3cm), W: 14.5" (37cm)	34.5" (88cm)	14.5" (37cm)	7" (18cm)
19657	4	1.5" (4cm), W: 14.5" (37cm)	45.5" (116cm)	27.5" (62cm)	7" (18cm)

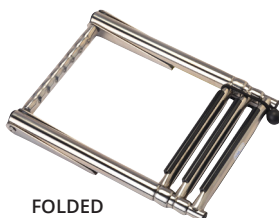
### Over Platform Telescoping Ladder

- Steps – fold out and over, telescope down easily
- Compact stowage – steps fold over flat on platform
- Flat poly treads for increased comfort
- Standard folding gudgeons with convenient grab bar for easier boarding
- Bungee cord securing strap included
- Nylon bushings between ladder sections prevent inadvertent deployment when flipping ladder into the water
- Stainless steel – rated to 400 lb

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length	Gudgeons Length
19676	3	1.25" (3cm), W: 11.50" (29cm)	34.5" (88cm)	14.5" (37cm)	7" (18cm)
19677	4	1.5" (4cm), W: 12" (31cm)	45" (114cm)	15.5" (40cm)	8" (20cm)



19676



FOLDED



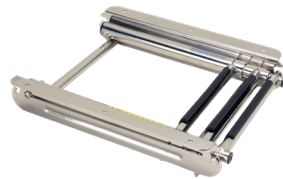
GRAB BAR



## Under Platform Sliding Ladder

- Designed for under platform use – stows easily and compactly
- Ideal for installations under swim platforms or under the deck on bow or side of pontoon boats
- Ladder stows compactly within its own length
- Spring loaded self-locking for stowage
- Flat poly treads for increased comfort
- Stainless steel – rated to 400 lb

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length	Support Frame Dimensions	Mounting Holes
19643	3	3" (8cm), W: 11.5" (29cm)	33.5" (85cm)	16" (41cm)	L 15.85" (40cm), W 13.88" (35cm)	(3) 1/4" mount holes on each side, 6" spacing



FOLDED



LOCKING MECHANISM



19643

### 6 Step Wide Body Over Platform Telescoping Ladder

- Wide body design and extra length – make it easier and more comfortable to use
- Two extra steps into the water adds 24" (61cm) length – overall length deployed over 5.5 ft
- For larger boat installations at transom platform
- 6 Steps fold out and over, telescope down easily
- Compact stowage – steps fold over onto platform
- Flat poly treads for increased comfort and traction
- Heavy duty 6" folding gudgeons for easy mounting
- Bungee cord securing strap included
- Nylon bushings between ladder sections provide precision sliding
- Full 2" (5 cm) diameter main body stainless steel – weight capacity to 400 lb

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length	Gudgeons Length
19686	6	2.25" (6cm), W: 16" (41cm)	68.5" (174cm)	18" (46cm)	6" (15cm)



### Telescoping Transom Ladder

- Designed to allow for boarding at transom – mounts directly on transom
- 4 Steps allow for comfortable angled step up access under water line
- Folds down and telescopes into water
- Self-locking brackets hold ladder secure against transom
- Bungee cord securing strap included
- Nylon bushings between ladder sections provide smooth deployment
- Stainless steel – rated to 400 lb

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length
19683	3	1.5" (4cm), W: 12" (31cm)	23.5" (60cm)	14.75" (37cm)
19684	4	1.5" (4cm), W: 12" (31cm)	34.5" (88cm)	15.75" (40cm)



### Telescoping Stainless Steel Pontoon Boarding Ladder WITH STAINLESS STEEL SHUR-LOC CATCH MOUNTING HARDWARE

- Easy to board, stow and maintain
- Electro-polished Stainless Steel Tubing
- Compact design allows ladder to be stowed in lockers underneath pontoon furniture
- Comfortable black contour traction molded steps.
- One-piece all aluminum adjustable standoffs with cushioned rubber tips
- Attaches easily to deck for temporary or permanent mounting with included Shur-Loc catches (76000)
- Made in the U.S.A.
- Rated to 400 lb

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length
12340-G	4	16" (41cm)	51" (130cm)	32" (82cm)



Related Product



76000



## Removable Folding Pontoon Ladder

- Folds down to 4 steps; hooks fold and ladder stows in locker underneath furniture
- Securing clip included
- Sturdy design with over rail hooks for easy boarding
- Lightweight anodized aluminum 1" (3cm) diameter resists corrosion
- Attaches easily to deck at side gate for temporary or permanent mounting with included
- Shur-Loc catches (76000)
- Comfortable contour black traction molded steps.
- Includes Shur-Loc stainless steel latch bolts and deck mounting hardware
- Made in the U.S.A.
- Shur Loc Ladder Catches - Bracket mounts to deck for attaching latch type boarding ladders
- Shur Loc Ladder Catches - Allows permanent or temporary mounting
- Shur Loc Ladder Catches - Stamped stainless
- Rated to 400 lb



12350

Part #	Step Count	Overall Height/Width	Deployed Length	Stowed Length
12350	4	42" (107cm), W: 16" (41cm)	30" (76cm)	29" (74cm)

### Related Product



76000



## Premium Folding Pontoon Transom Boarding Ladder

- Permanent mount at transom, ideally at stern gate door
- Comfortable black contour traction molded steps extra deep for added step surface
- Folds down for easy boarding
- Durable 1" (3 cm) diameter anodized aluminum tube
- Includes securing clip, and second step abuts end of pontoon log
- Designed, engineered & assembled in the U.S.A.
- Rated to 400 lb



12380

SECOND STEP

Part #	Step Count	Overall Height/Width	Folded Length	Deck - 2nd step dimensions	Step surface dimensions
12380	2 - 4	46" (117cm), W: 16" (41cm)	14" + 32" (36cm + 81cm)	12" (30.5cm)	5" x 12" (13cm x 31cm)

## Pontoon Swim Ladder

- Use at side gate or transom
- Comfortable white traction molded poly steps.
- Attaches easily to deck with included Shur-loc catches
- Shur-loc catch brackets (76000) allow for permanent or removable mounting
- Vinyl sleeves on verticals protect pontoon
- Hooks fold flat for stowage
- Durable 1" (3cm) diameter anodized aluminum tube - rated to 250 lb
- Made in the U.S.A.

Part #	Step Count	Overall Height/Width
15240-G	4	50" (127cm), W: 15" (38cm)



15240



## Sport/Diver Ladders

Sport/Diver Ladders are versatile and detach and mount easily to platforms and extension brackets providing an unobstructed transom area. These ladders are convenient for scuba diving, swimming, water skiing, and fishing.

### Telescoping Stainless Steel Sport Diver Ladder

- Comfortable non-skid step surface
- Stainless Quick Release Transom Mounting Bracket (99180) included
- Easy boarding for swimmers or divers with fins and heavy gear
- Dual 1.25" (3cm) center post design – angled mount for stair-like usability
- Superior corrosion resistant electro-polished stainless steel
- Includes Stainless Quick Release Transom Mounting Bracket (99180)
- Heavy Duty – rated to 400 lb (181kg) boarding weight

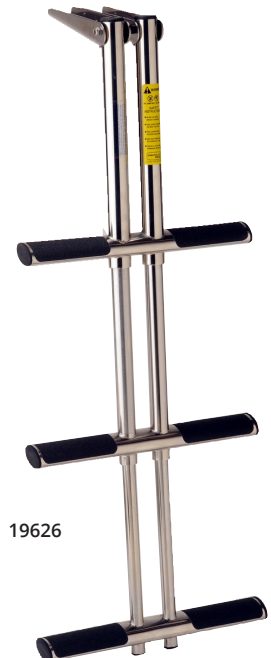
Part#	Step Count	Length	Width
19843	Transom Mount 3 Step	16.75" (43cm)/32.5" (83cm) stowed/deployed	13.5" (34cm)
19844	Transom Mount 4 Step	19.5" (50cm)/42" (107cm) stowed/deployed	13.5" (34cm)
19626	Platform Mount 3 Step	17" (43cm)/34" (86cm) stowed/deployed	13.5" (34cm)



19843 FOLDED

19626  
FOLDED

19843



19626

## Under Platform Double Tube Telescoping Dive Ladder

- Unique design -30 degree angle for ease of use
- Electro-polished stainless steel
- Dual vertical telescoping tube body
- Smooth slide with nylon bushing between ladder sections prevent galling and inadvertent deployment
- Spring loaded locking system with locking plate
- Oval shaped steps with non-skid surface for comfort
- Rated to 400 lb

Part #	Step Count	Length	Width
19636	3 Step	16.5" (42cm)/31.5" (80cm) stowed/deployed	Mounting Frame 7" (18cm) Ladder's Steps 13" (33cm)



19636

PLATFORM NOT INCLUDED

## Stainless Steel Sport Diver Ladder

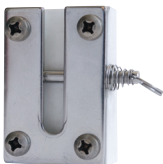
- Superior corrosion resistance electro-polished stainless steel
- Easy Boarding for Swimmers or Divers with fins or heavy gear
- 1.75" Diameter center post design – angled mount for stair-like usability
- Comfortable non-skid step surface
- Designed for all vertical, horizontal, and breakaway mounting hardware options
- Stainless Quick Release Transom mounting bracket (99180) included
- Optional storage brackets (99196) available
- Heavy Duty - rated to 400 lb (181kg) boarding weight

Part #	Step Count	Length	Width
19833	3 Step	36" (91cm)	14.5" (37cm)
19834	4 Step	48" (122cm)	14.5" (37cm)
99196	Storage clips for 19833 and 19834		



19833

### Related Product



See Page 261



99196



### Sport Diver Ladder

- Oval steps with textured, painted surface
- White powder coat paint
- Angled design for stair-like ease of boarding
- 2.25" Diameter aluminum center vertical allows easy use with diving gear
- Designed for all vertical, horizontal, and breakaway mounting hardware options on page 43
- Stainless Steel Quick Release Transom mounting bracket (99180) and ladder storage brackets (99193) included
- Heavy duty – rated to 400 lb (181kg) boarding weight

Part #	Step Count	Length	Width
19802	2 Step	28" (71cm)	13" (33cm)
19803	3 Step	38" (97cm)	13" (33cm)
19804	4 Step	48" (122cm)	13" (33cm)
99210-18	Replacement hex bolt kit with end caps		

Related Product



See Page 261



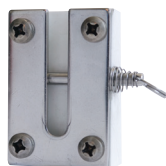
19803

### Bass Boat Transom Ladder

- Oval steps with textured, painted surface
- Black powder coat paint
- Angled design for stair-like ease of boarding
- Compact 2 step for low freeboard transoms
- 2.25" Diameter aluminum center vertical
- Stainless Steel Quick Release mounting bracket (99180) included
- Optional Storage Brackets available (99193)
- Rated to 400 lb

Part #	Step Count	Length	Width
19812	2 Step	28" (71cm)	13" (33cm)
99193	Storage bracket for 19812		
99210-18	Replacement hex bolt kit with end caps		

Related Product



See Page 261



19812

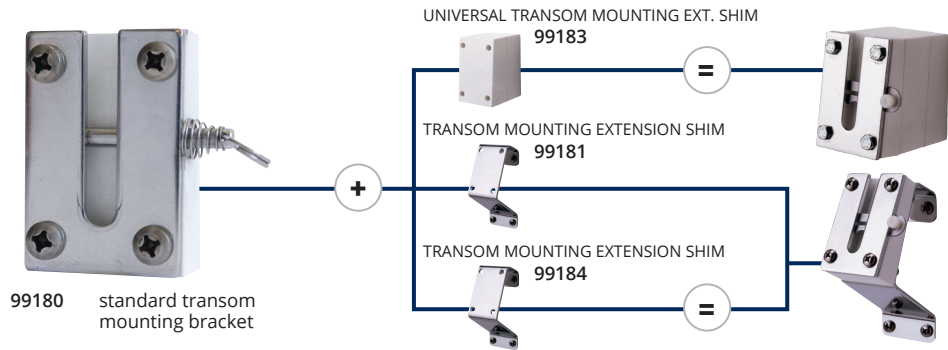


99193

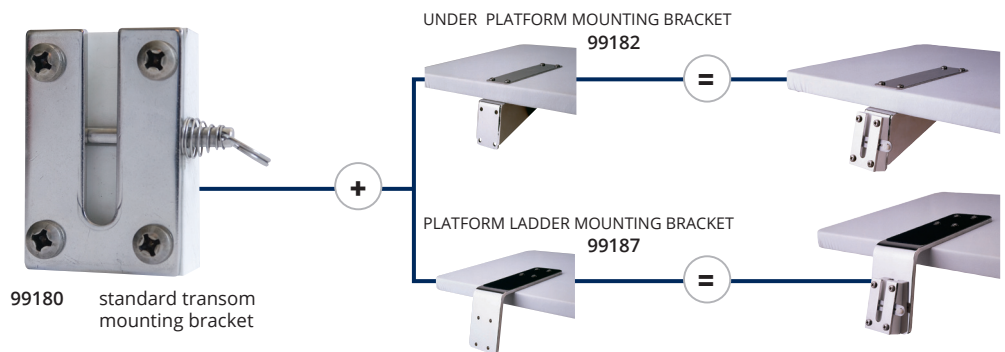


## Sport/Diver Ladder Mounting Options

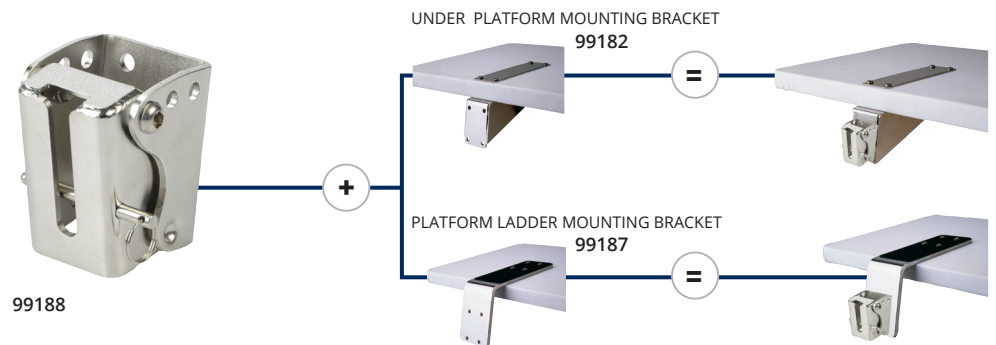
### Vertical Transom Mounting Options



### Horizontal Platform Mounting Options



### Breakaway Hinge Mounting Options



Part #	Width	Height	Depth	Notes
99180	2.5" (6cm)	3.75" (10cm)	1.375" (3cm)	Included with all sport/diver series ladders. 1" (3cm) thick poly spacer 10 degree angle, with lock and stainless steel face plate mounting bracket, mounting hole diameter: 5/16" (1cm)
99181	2.75" (7cm)	3.62" (9cm)	2" (5cm)	Extends ladder 2" farther from the transom. Used with face plate and 10 degree poly spacer (99180) included with ladder. Made of stainless steel, 2.75" W x 3.62" H (7x9cm)
99182	2.5" (6cm)	3.75" (10cm)	9" (23cm)	Allows ladder to be mounted on any poly, teak, fiberglass, or aluminum platform. Mounts underneath platform and includes a top plate which sandwiches platform in between brackets. Used with face plate and 10 deg poly spacer (99180) included with ladder
99183	2.75" (7cm)	3.62" (9cm)	3" (7.5cm)	Solid poly block that can be custom cut at the angle necessary to allow the ladder to be mounted at 15 degrees off vertical in special applications. Used with stainless face plate included with ladder.
99184	2.75" (7cm)	3.62" (9cm)	3" (7.5cm)	Extends ladder 3" farther from the transom. Used with face plate and 10 degree poly spacer (99180) included with ladder. Made of stainless steel, 2.75" W x 3.62" H (7x9cm)
99187	3.75" (10cm)	6.25" (16cm)	10" (25cm)	Especially designed for use on built-in platforms and euro-style boats. Utilizes 99180 included with ladder. Made of Stainless Steel. 15 degree angle.
99188	3" (8cm)	3.75" (10cm)	3.25" (8cm)	Compatible with Models' 19802, 19803, 19804, 19833, 19834 and 19812 mounting hardware. Made of stainless steel, the adjustable +/- 15° features a breakaway hinge allowing the ladder to ride on top of the water. Will also work with 19843 and 19844.

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76180-6	173	78312-80DCES	208	8884-6	90	9091-1	137	911370-1	64
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7621-7	149	78312-80ESN2K	208	8889LP	91	9092-5	137	911507-1	96
7622-7	141	78313-10	211	8889LP6	90	9093-5	137	911508-1	96
7623-7	142	78313-20	211	8890LP	91	9094-1	137	911526-1	96
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NV1002SS-1	52	NV6SP1-14-1	56	SL58P3R-1	204	SP-3204-T	229		
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# Ingress Protection (IP) Ratings Guide

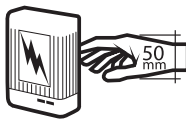

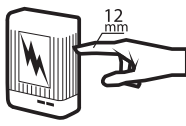

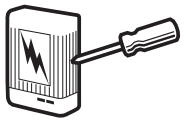



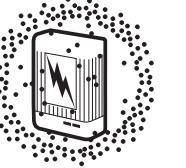
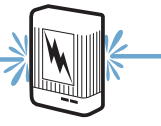
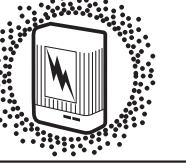



Example:

An IP65 rating can be determined using the adjacent table and example:

- The first number of the rating example, 6, in the gray column means the enclosure is dust tight
- The second number of the rating example, 5, in the blue column means the enclosure is protected against jets of water

The IP rating system was established by the International Electrotechnical Commission (IEC), an organization for international standards and conformity assessment. The IEC collaborates closely with the International Organization for Standardization (ISO). A complete description of the IP ratings and associated tests is found in IEC Publication 529. Although these ratings were initially developed as a way to classify enclosures, they now provide a convenient, practical way to compare levels of sealing. Many electrical products have an Ingress Protection (IP) rating which identifies the environmental factors needing consideration prior to the product's installation.

This is important when deciding when to mount products in a dry and clean environment versus a wet and/or dusty environment. The IP rating indicates the degree of protection provided. The numbers following IP represent levels of sealing and can range from no protection to full protection against dust and water. The table provides a description of the protection at each level.

SOLIDS		WATER	
1	 Protected against a solid object greater than 50 mm such as a hand.	1	 Protected against vertically falling drops of water. Limited ingress permitted.
2	 Protected against a solid object greater than 12 mm such as a finger.	2	 Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.
3	 Protected against a solid object greater than 2.5 mm such as a screwdriver.	3	 Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.
4	 Protected against a solid object greater than 1 mm such as a wire.	4	 Protected against water splashed from all directions. Limited ingress permitted.
5	 Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.	5	 Protected against jets of water. Limited ingress permitted.
6	 Dust tight. No ingress of dust. Two to eight hours.	6	 Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.
		7	 Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.
		8	 Protection against the effects of immersion in water under pressure for long periods.

Rating Example:

**IP65**

INGRESS PROTECTION



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