

# Sea Torch® Combination Torch – Sea Dragon® ELECTRODES – Sea Torch® Accessories



## SEA TORCH® Combination Torch

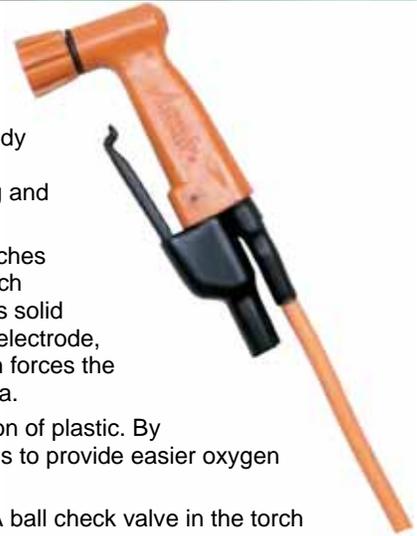
**Length:** 8-3/4" (22.2 cm) **Weight:** 4.5 lbs. (2.04 kg) with cable  
**Equipped with 10 ft. (3.05 m) cable** which can be disconnected from the torch.

The Sea Torch is an improved underwater cutting and welding torch with a one-piece body construction. Fully insulated electrically for safety in normal operation, the Sea Torch is bright orange for high visibility to the diver. This torch can be used for oxygen-arc cutting and underwater welding.

The one piece body prohibits oxygen leakage in the torch body which can occur with torches having connections between the head and the handle. The tapered collet in the Sea Torch brings the bare surface of an electrode into contact for the entire length of the collet. This solid grip and increased contact area decreases the risk of arcing between the collet and the electrode, eliminating damage to the torch head. Sea Torch has a single external collet taper which forces the collet and electrode against a seal, ensuring a positive sealing of oxygen flow in that area.

The oxygen path is metallic instead of plastic to avoid the possibility of damage by ignition of plastic. By loosening two set screws, the oxygen valve and lever can be rotated to different positions to provide easier oxygen flow control for the diver.

Sea Torch is equipped with a spark arrestor behind the collet chuck for safe operation. A ball check valve in the torch handle gives additional protection.



### COLLET CHANGES

- Sea Torch Combination Torch, Catalog No. 14-050-124, has a 5/16" (7.9 mm) collet chuck for underwater cutting with Sea-Cut® I or Tuff Cote® underwater electrodes.
- Sea Torch Combination Torch, Catalog No. 14-050-126, has a 3/8" (9.5 mm) collet chuck for underwater cutting with Sea Dragon™ or Sea Jet® exothermic cutting rods.
- The 5/16" and 3/8" collets now come in the standard or long collet and the stubby collet which are comparable to other collets on the market. These stubby collets make it less confusing for the diver when making a collet change.
- To use the above torches for underwater welding, there are collet chucks available for use with the Sea Weld® underwater wet welding electrodes.

PART NO.	PRICE EA	DESCRIPTION
14-050-124	\$340.75	Sea Torch Complete (5/16" collet chucks)
14-050-126	\$340.75	Sea Torch Complete (3/8" collet chucks)

CATALOG NO.	PRICE EA	DESCRIPTION
94-158-047	\$15.00	1/8" Collet Chuck (Optional)
94-158-042	\$15.90	5/32" Collet Chuck (Optional)
94-158-044	\$15.90	3/16" Collet Chuck (Optional)
94-158-043	\$15.90	5/16" Collet Chuck
94-158-045	Page 201	3/8" Collet Chuck
94-158-051	\$9.57	5/16" Stubby Collet Chuck
94-158-050	\$9.57	3/8" Stubby Collet Chuck
94-940-099	\$2.50	Washer
94-940-114	\$10.76	Stubby Collet Washer

## SEA DRAGON™ Cutting Electrodes



**Catalog No.** 42-075-005 (Orange)  
**Diameter:** 3/8" (9.5 mm) **Length:** 18" (458 mm)



**\$71.50  
 PER BOX  
 OF 50**

Patented underwater exothermic Sea Dragon cutting rods will burn most materials encountered in underwater cutting jobs. The Sea Dragon Rod can be used like other oxygen-arc cutting electrodes. A DC constant current welding power supply set on straight polarity (electrode negative) supplies current to the electrode. The workpiece is grounded. When the electrode touches the work, an electric arc ignites the electrode. Once ignited, the electrode will burn by the means of an exothermic reaction between the steel components of the electrode and the oxygen flowing through the electrode, thus enabling the cutting to be done **with** or **without** electrical power. **The Sea Dragon Rod will burn as long as the oxygen is flowing through the rod.** For ignition only, when cutting without power, a 12 VDC battery may be used. This presents an added safety margin against the possibility of electrical shock.

