

## Type 166

2' V-FIN

Weight in air  
28 lbs. (13 kg.)  
Weight in water  
17 lbs. (8 kg.)

## Type 493

3' V-FIN

Weight in air  
125 lbs. (57 kg.)  
Weight in water  
75 lbs. (34 kg.)

## Type 129

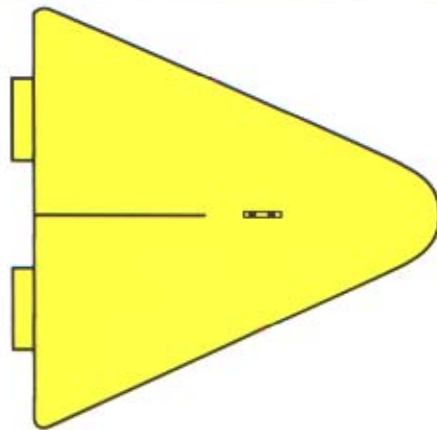
4' V-FIN

Weight in air  
237 lbs. (108 kg.)  
Weight in water  
160 lbs. (73 kg.)

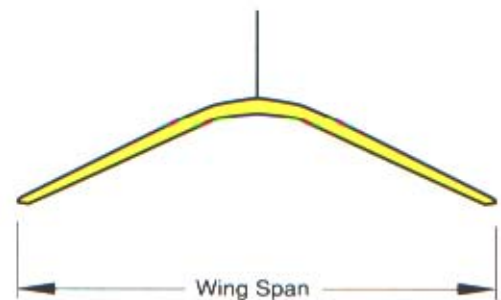
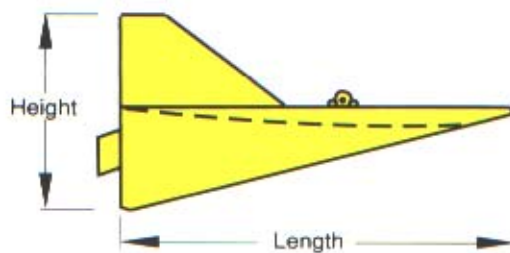
## Type 167

6' V-FIN

Weight in air  
430 lbs. (195 kg.)  
Weight in water  
250 lbs. (114 kg.)



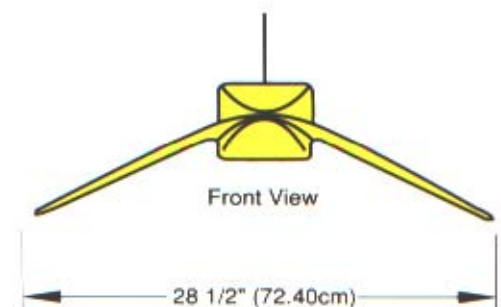
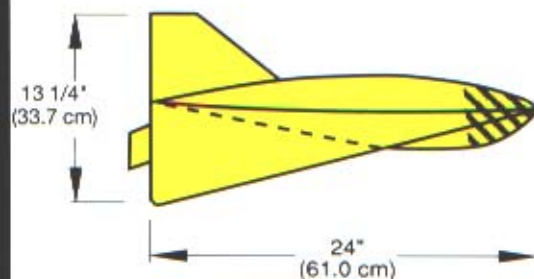
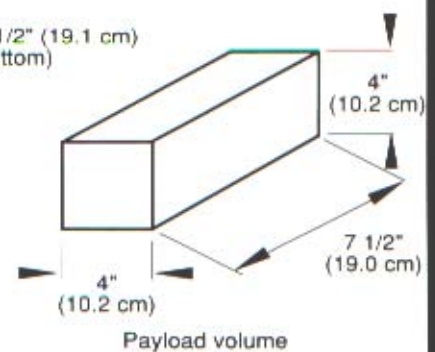
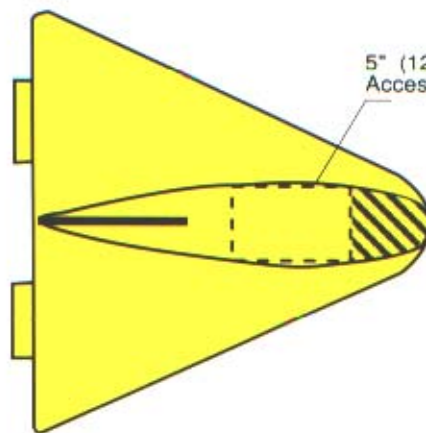
Type	Length (Ft.)	Height (In.)	Wing span (In.)
166	2	13.75	28.5
493	3	19.75	42.75
129	4	26.5	57
167	6	39.75	85.5



## Type 317

2' V-FIN with Pod

Weight in air  
28 lbs. (13 kg.)  
Weight in water  
17 lbs. (8 kg.)



## Type 265

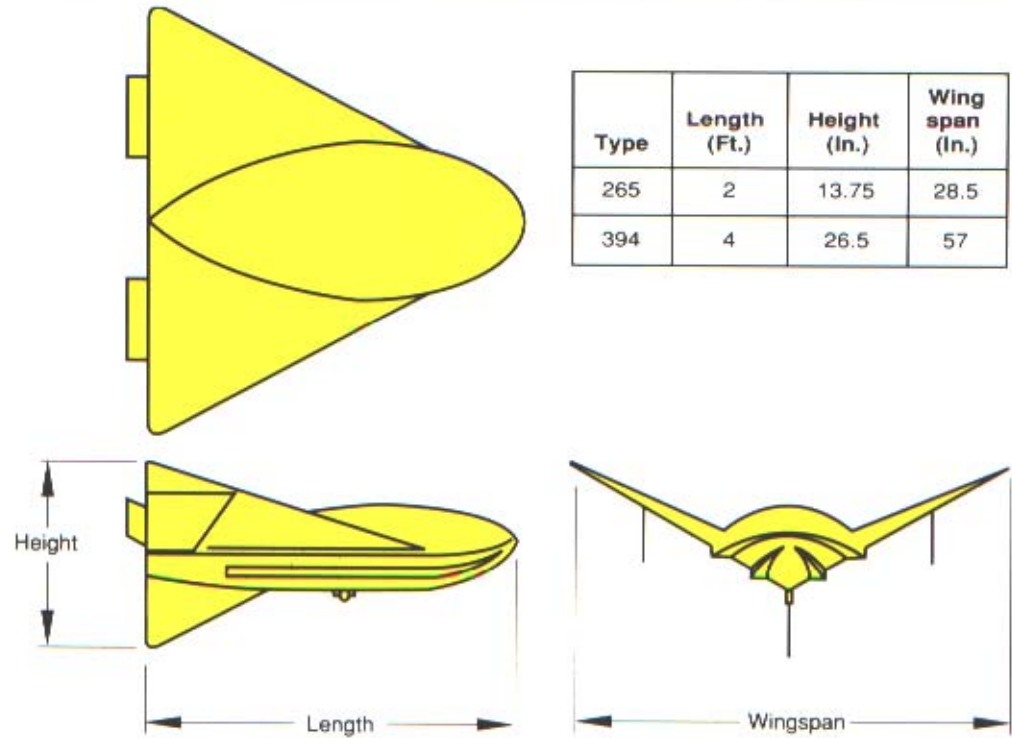
### 2' V-FIN

Weight in air  
22 lbs. (10 kg.)  
Weight in water  
30 lbs. (14 kg.)

## Type 394

### 4' V-FIN

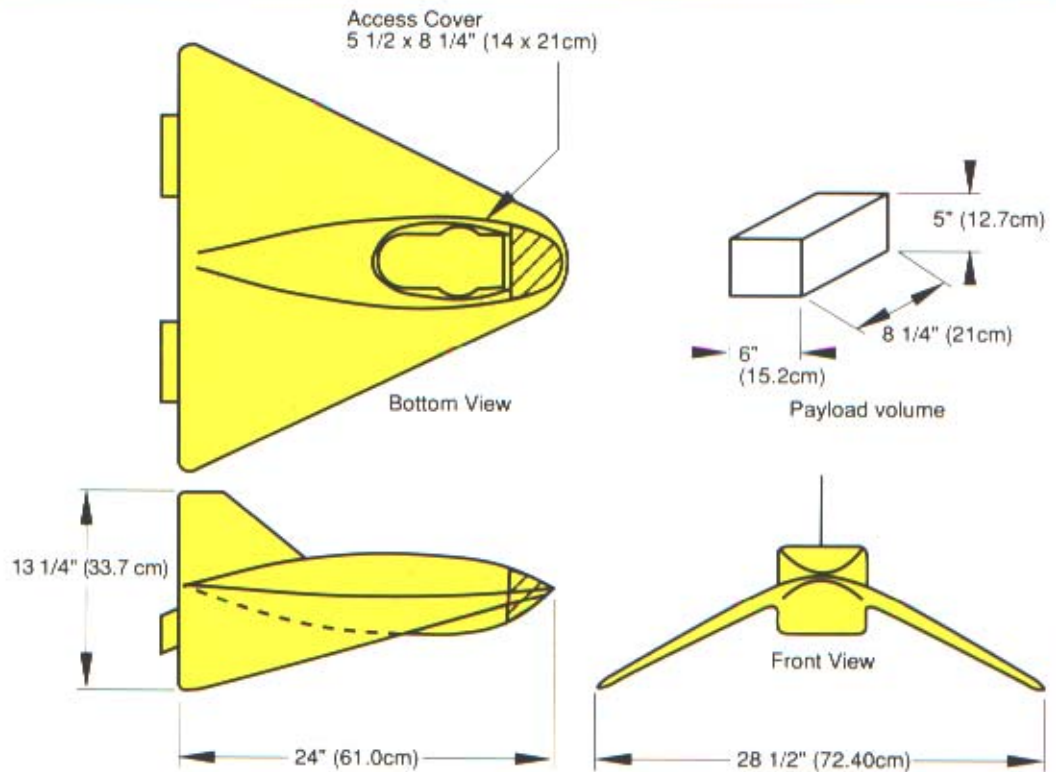
Weight in air  
110 lbs. (50 kg.)  
Weight in water  
120 lbs. (55 kg.)



## Type 1121

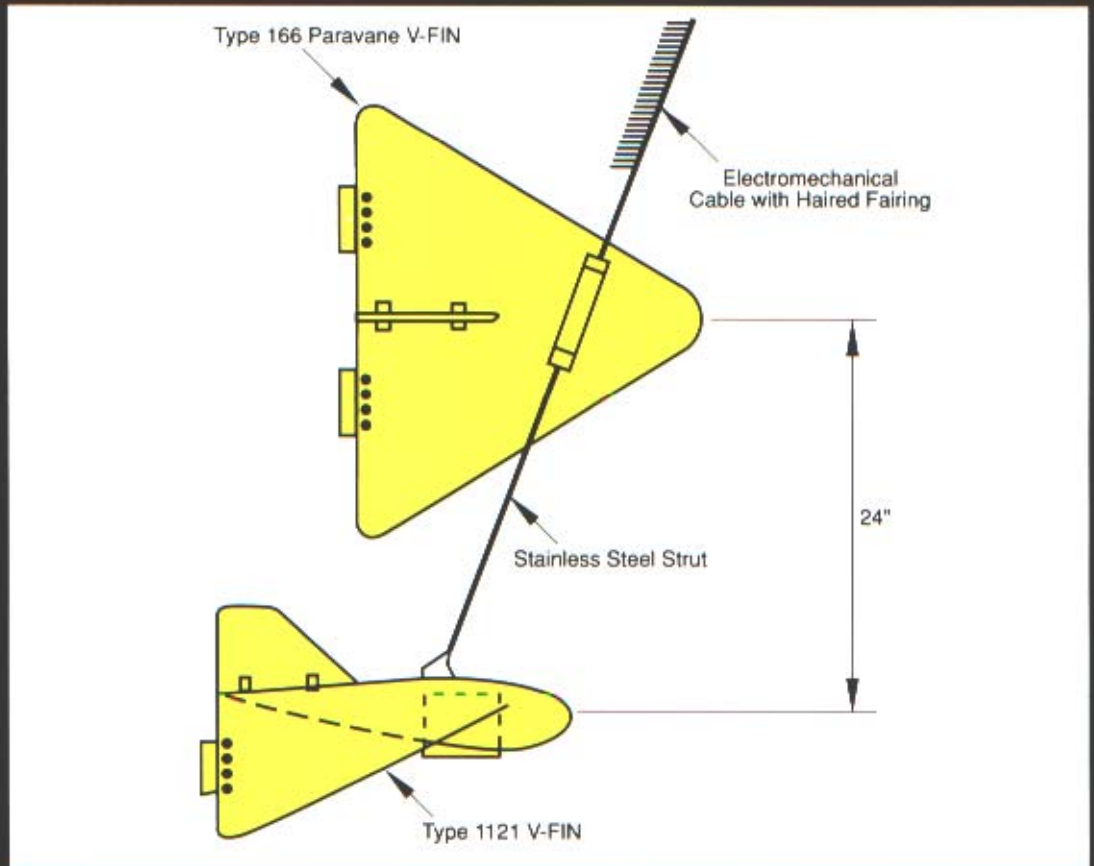
### 2' V-FIN with Pod

Weight in air  
28 lbs. (13 kg.)  
Weight in water  
17 lbs. (8 kg.)



## Type 1092

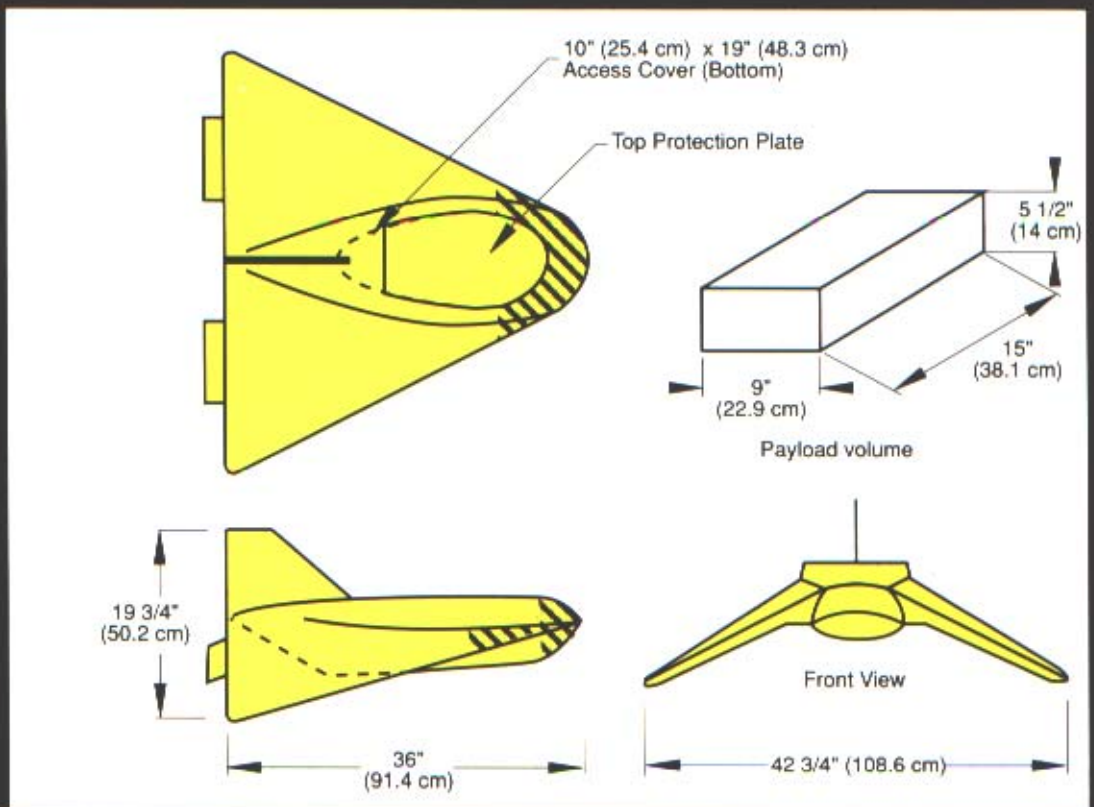
The Paravane is a unique V-FIN system that depresses a payload and flies it to either port or starboard. Other configurations are available; call to discuss your application.



## Type 703

### 3' V-FIN with Pod

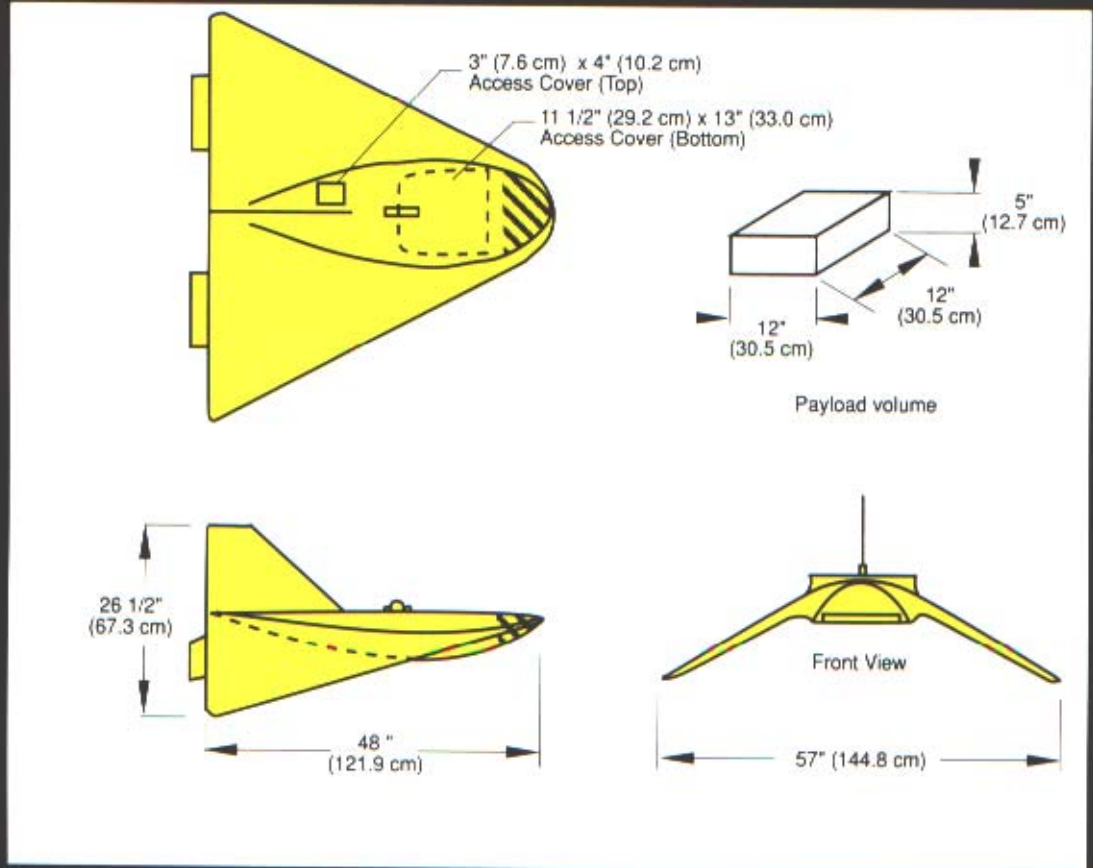
*Weight in air*  
140 lbs. (64 kg.)  
*Weight in water*  
90 lbs. (41 kg.)



## Type 120

### 4' V-FIN with Pod

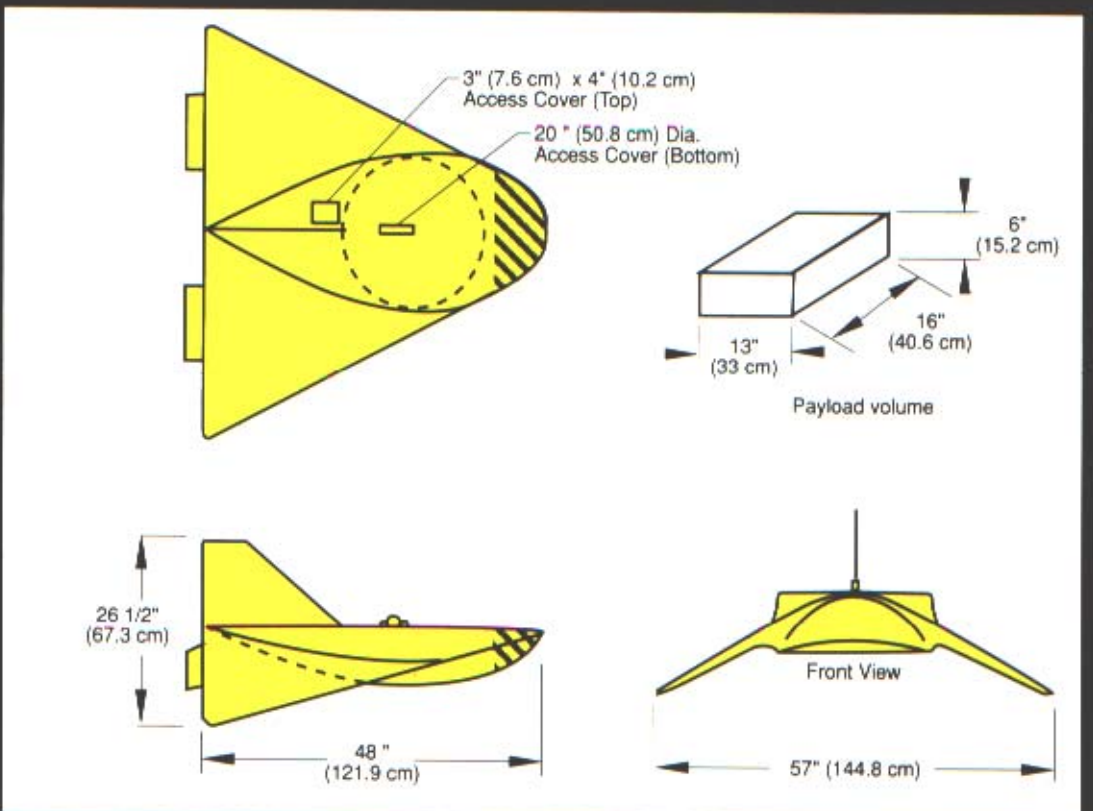
Weight in air  
195 lbs. (89 kg.)  
Weight in water  
145 lbs. (66 kg.)



## Type 438

### 4' V-FIN with Pod

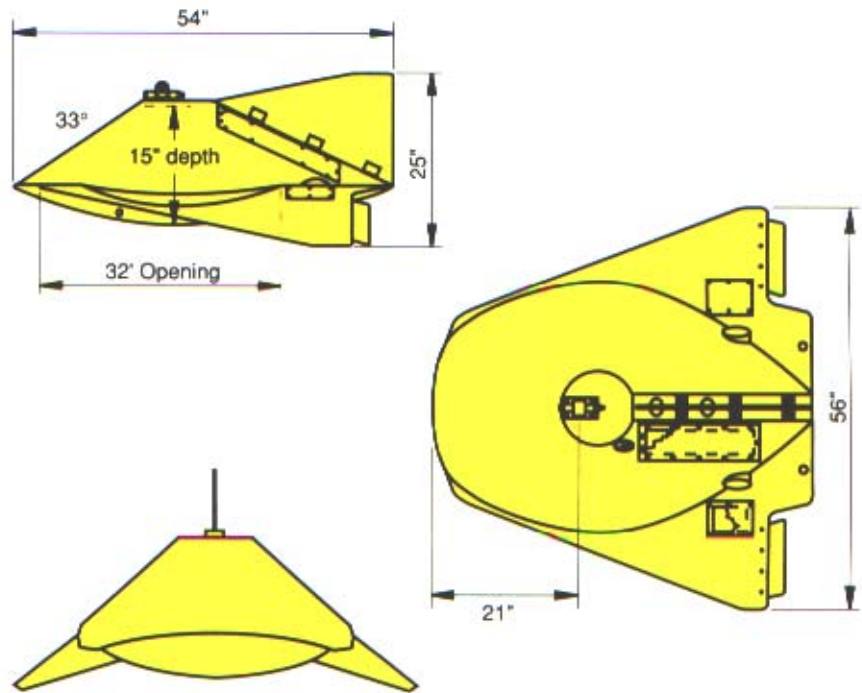
Weight in air  
237 lbs. (108 kg.)  
Weight in water  
160 lbs. (73 kg.)



## Type 850

4.5' V-FIN with Pod

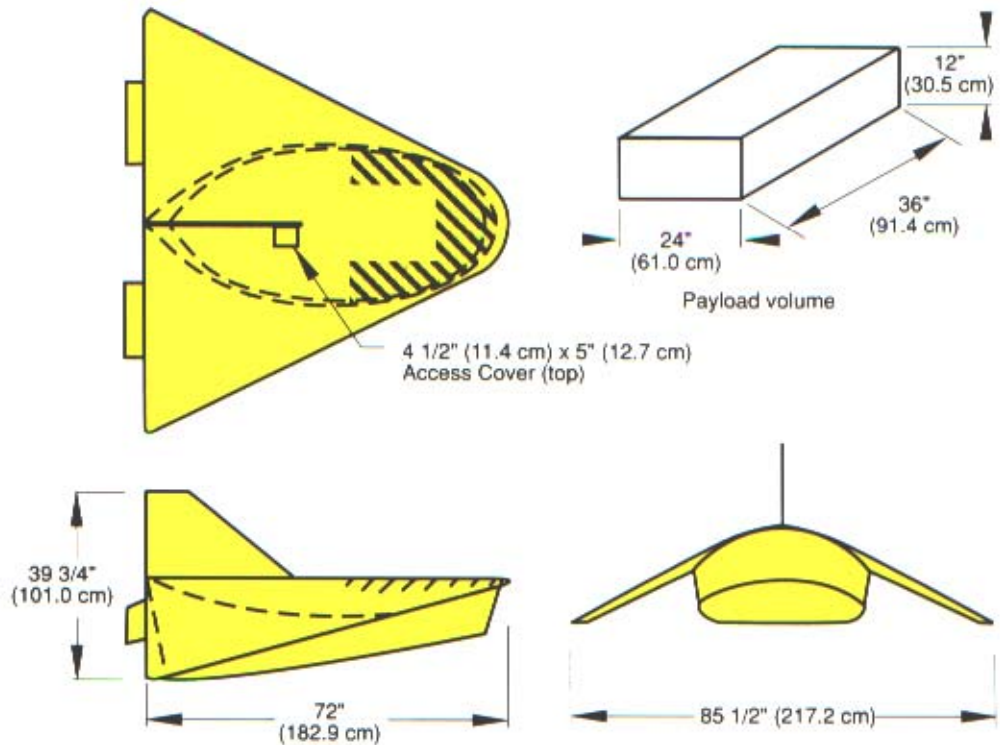
Weight in air  
265 lbs. (120 kg.)  
Weight in water  
175 lbs. (79 kg.)



## Type 671

6' V-FIN with Pod

Weight in air  
430 lbs. (195 kg.)  
Weight in water  
250 lbs. (114 kg.)



## Type 672

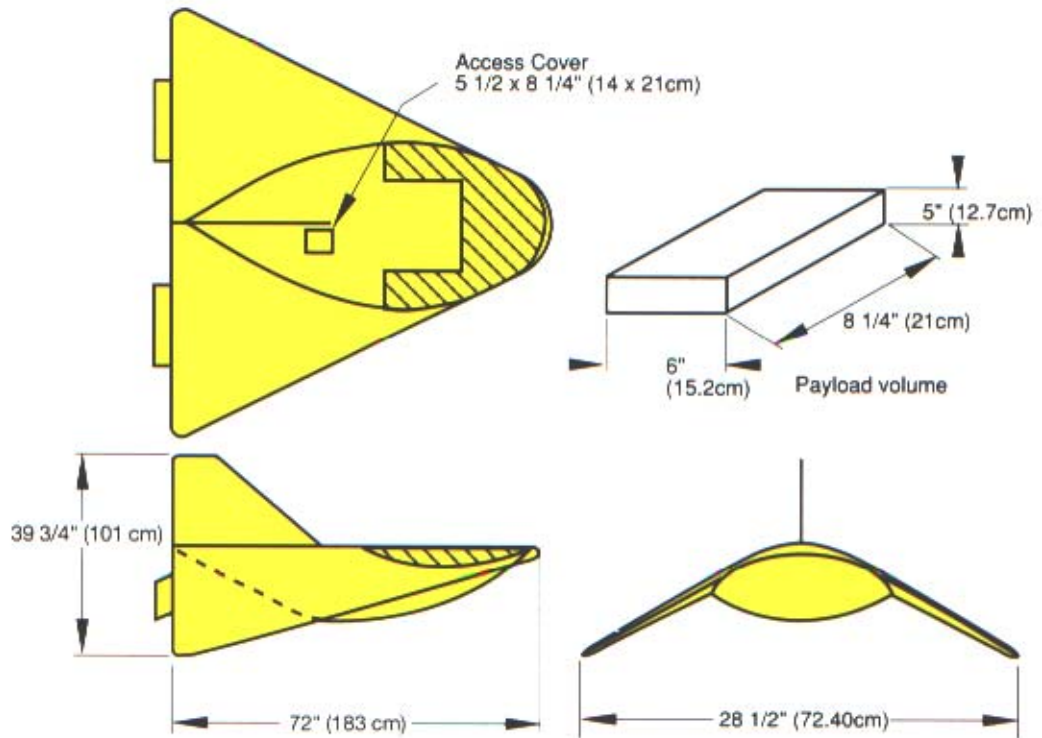
6" V-FIN with Pod

*Weight in air*

430 lbs. (195 kg.)

*Weight in water*

250 lbs. (114 kg.)



## Type 932

Deep-Tow Vehicle

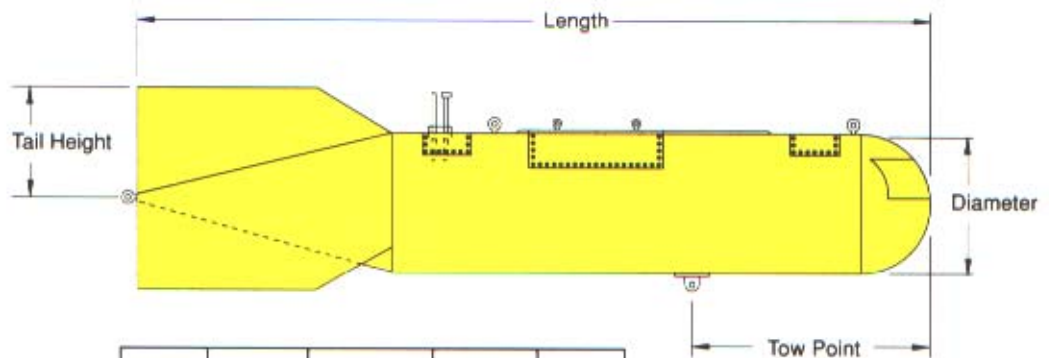
*Weight in air*

Full size 550 lbs.

Half size 200 lbs.

*Weight in water*

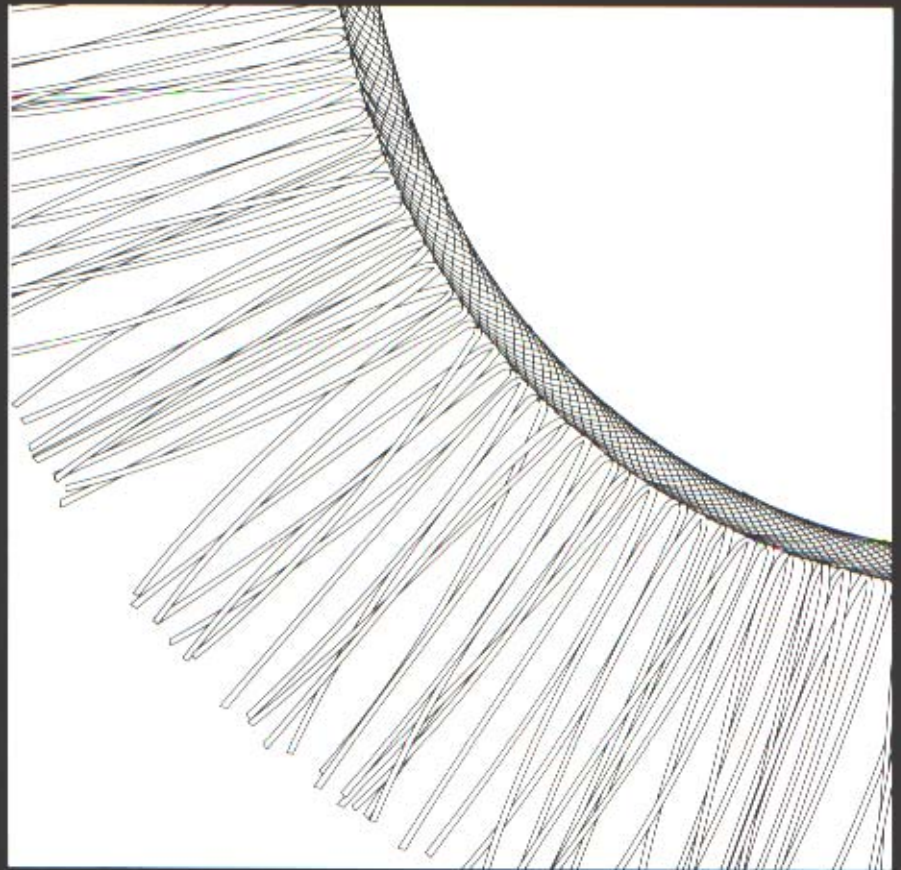
Variable



Type	Length (Ft.)	Diameter (In.)	Tail Height (In.)	Tow Point (In.)
Full Size	16.7	35.5	25.5	60.3
Half Size	9	18	12.81	30.1

## Haired Fairing

This fairing can be applied to any size cable. Stainless steel wire is woven around the cable and flexible polyethylene hairs are periodically attached. Because it's flexible, it can pass over sheaves and be wound on winch drums.



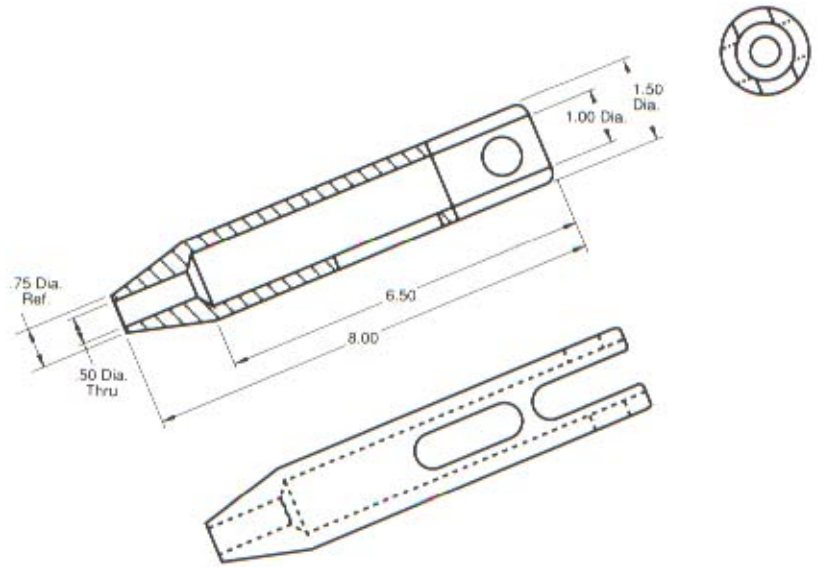
## Type 1158 Clip-On Fairing

More economical than haired fairing, this rugged fairing is constructed of extruded plastic. It can be easily field-mounted to the cable by hand, and is free to rotate around the cable.



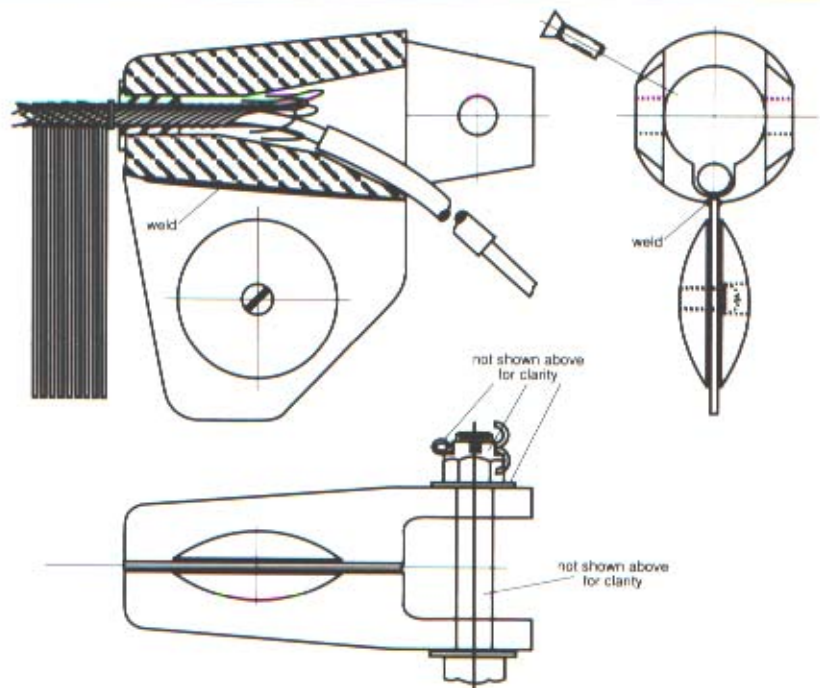
## Type 1108 Mechanical Termination

The Type 1108 is a low-profile stainless steel mechanical connection used to terminate electro-mechanical cable up to 1/2" in diameter to our V-FIN. High-impact epoxy seizes the exterior armor, while the electrical cable is broken out through the side.



## Type 275 Termination

The Type 275 is a heavy-duty mechanical termination used with cables up to 1" in diameter. A zinc anode is provided to minimize corrosion.





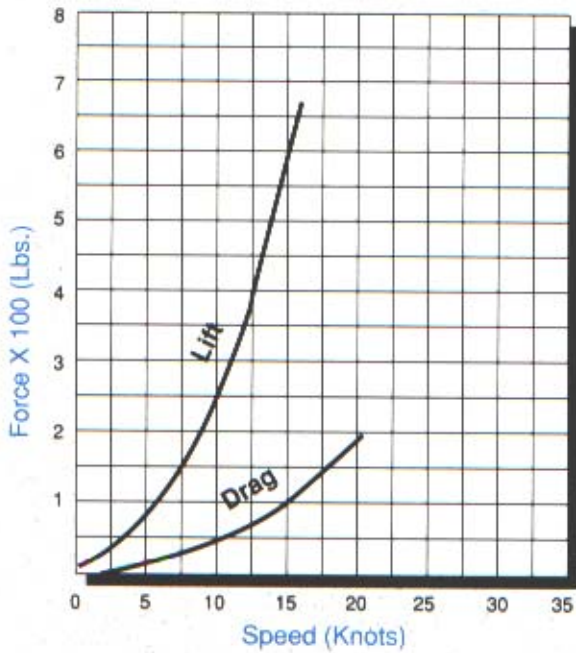
## Vehicle Characteristics

Type V-FINs	Length (ft)	Wingspan (in)	Height (in)	Diameter	Payload (cubic in)	Weight		Depressive Force		
						Air (lbs)	Water (lbs)	5 knots	10 knots	15 knots
166	2	28.5	13.75	-	-	28	17	85	255	590
265	2	28.5	13.75	-	-	22	30	85	255	590
							(buoyant)			
317	2	28.5	13.75	-	120	28	17	85	255	590
1121	2	28.5	13.75	-	248	28	17	85	255	590
493	3	42.75	19.75	-	-	125	75	300	750	1575
703	3	42.7	19.75	-	743	140	90	300	750	1575
120	4	57	26.5	-	720	195	145	450	1250	2700
129	4	57	26.5	-	-	237	160	450	1250	2700
394	4	57	26.5	-	-	110	120	450	1250	2700
438	4	57	26.5	-	1248	237	160	450	1250	2700
850	4.5	56	25	-	4557	265	175	450	1250	2700
167	6	85.5	39.75	-	-	430	250	900	2550	4250
671	6	85.5	39.75	-	10,358	430	250	900	2550	4250
672	6	85.5	39.75	-	5184	430	250	900	2550	4250
<b>932 Deep-Tow Vehicle</b>										
Full	16.7	-	-	35.5	94	550	Variable	Buoyant		

*We can build a towed vehicle for you.*

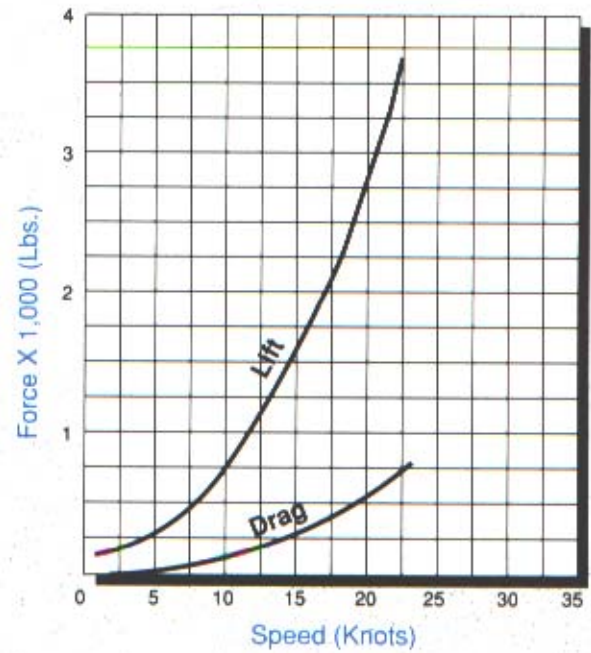
*Call us at 508 748-0366.*

Type 166 2' V-FIN



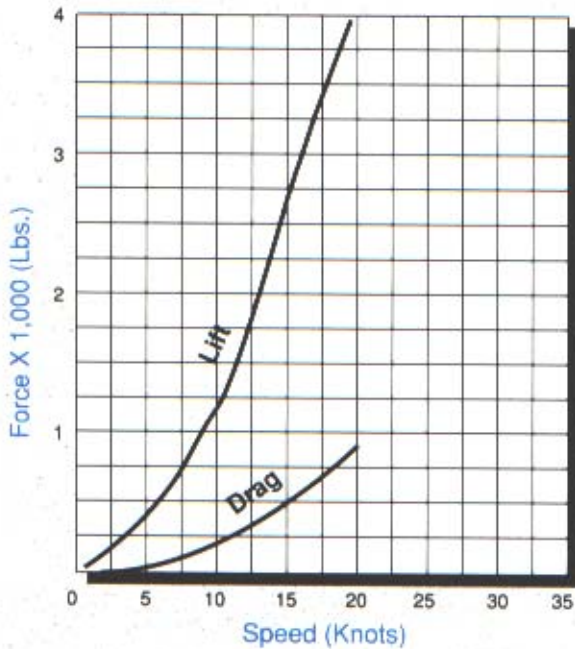
*V-FIN hydrodynamics achieve a high lift-to-drag ratio, using our smallest V-FIN.*

Type 493 3' V-FIN



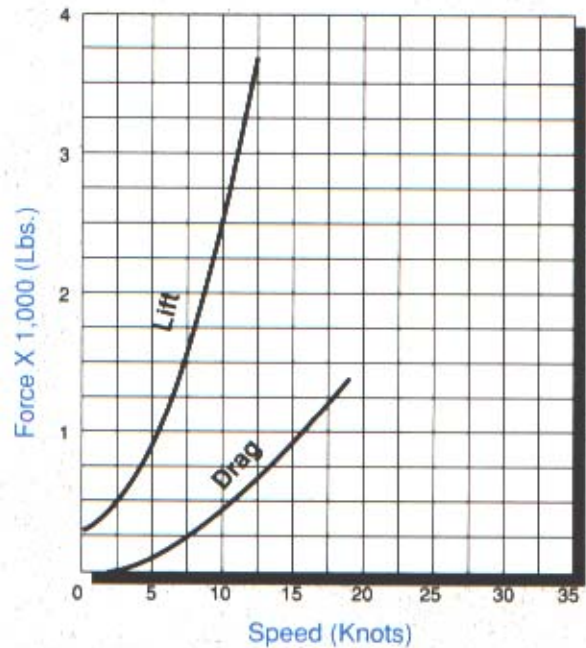
*As the V-FIN's wingspan increases, its lift increases.*

Type 129 4' V-FIN



*Stepping up to 4' increases lift even more.*

Type 167 6' V-FIN



*Maximum lift is achieved with our 6' V-FIN.*

## Towed Underwater System Worksheet

Sketch your system requirements on this worksheet and send it to us.

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Project Name \_\_\_\_\_

	System performance specifications			System component details
	Min	Nom	Max	
Speed (knots)				Cable conductors/AWG
Payload location (feet)				Cable construction/Diameter
•Depth				Cable break strength
•Distance astern				Cable weight/foot in air
•Distance abeam				Payload size
Other Requirements				Payload weight in air