

UDTs

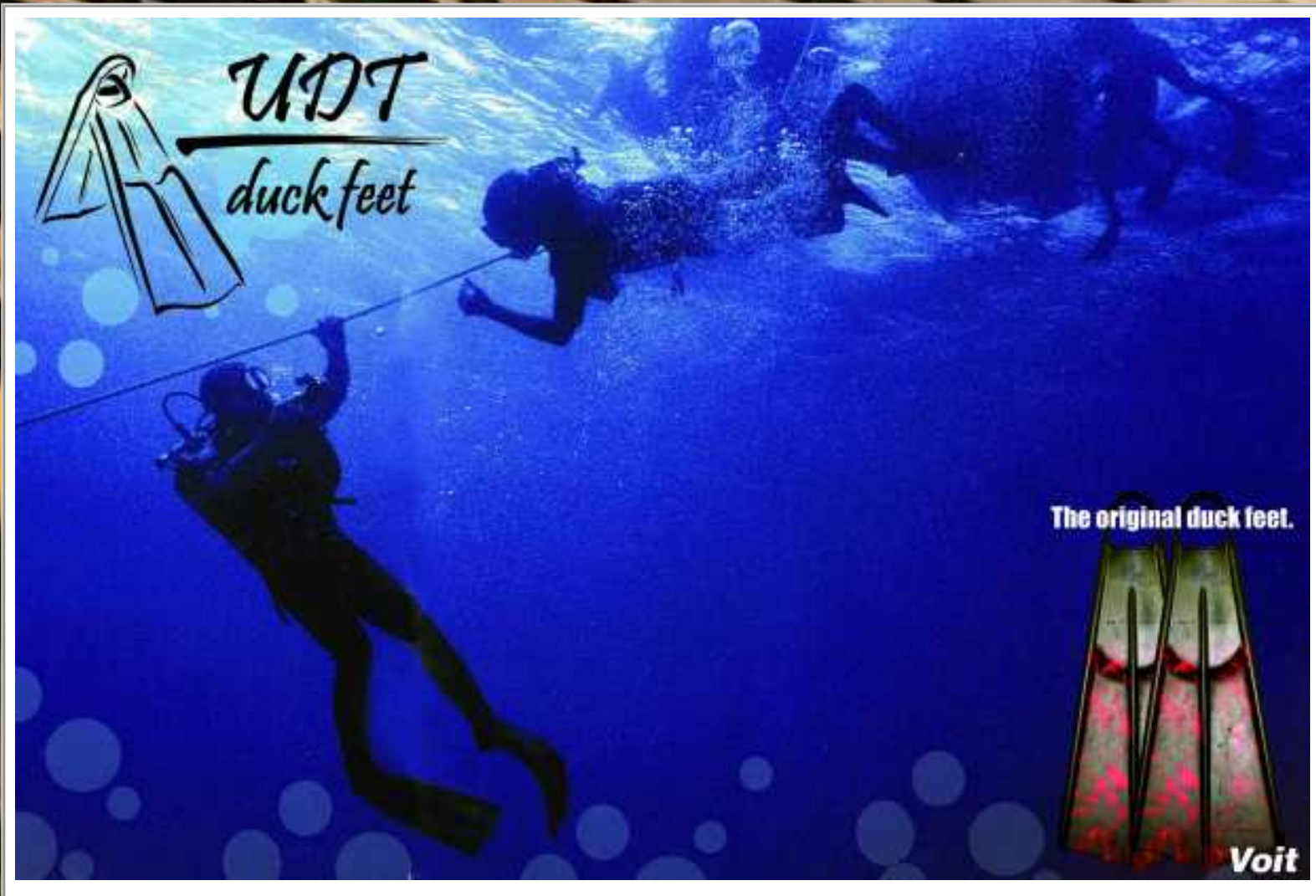


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# UDT DUCK FEET



## THEY'RE BACK!!!!

Easily the most coveted swim fin since its inception, the UDT DUCK FOOT is finally available again. The Voit UDT DUCK FOOT molds have finally found their way home to American soil. UDT DUCK FEET have always been highly acclaimed by U.S. Navy SEALs, their kindred spirits, the big wave bodysurfers, as well as kneeboarders, scuba divers, skin divers, and professionals in the lifesaving community.



## PERFORMANCE ENHANCED!!!

Despite the incredible utilitarian capacity of the UDT DUCK FEET, we have succeeded in increasing the ability and performance of this fin. Every SEAL or serious water athlete performing in extreme conditions requires a fin that is capable of immediate response and superior thrust. Indeed, your very survival may depend on this. These two variables, response and thrust, usually have been mutually exclusive in the past, but utilizing a more complex and biomimetic material regime has produced a fin exhibiting these attributes.



Indeed, the UDT DUCK FOOT now has the ability to twist or rotate in part (like a helix) in the vertical, yet not fail in the horizontal producing very powerful forward thrust vectors.

Preliminary tests (additional tests still underway) comparing the UDT DUCK FOOT to the currently most popular split-fin diving fin and surfing fin yielded a striking speed and efficiency advantage over both. Additionally, the kick using the UDT DUCK FEET yielded the most powerful and natural glide relative to the competitors.

## THE UDT ADVANTAGE:

The new rubber durometer values and loading patterns result in a fin with a plethora of advantages and enhanced attributes:

The ability of the fin to twist longitudinally makes the fin pliable enough to wrap around the leg if buckled, and to be more easily packed in tight containers. Functionally, this type of fin action should be able to release water by loading one side of the fin, resulting in a lateral force component, thereby increasing maneuverability and stability, as seen in aquatic organisms.



Counterintuitive to the masses, we have actually made the foot pocket and the blade very similar in material, yet kept the outer ribs or struts relatively rigid. This guarantees an inflection point distally removed from the foot. The result is that all of your power gets transferred to this distal inflection point, creating more forward thrust than the conventional stiff non-flexing fins of the past. Consequently, the fin is concomitantly much more responsive, powerful, and comfortable. The stronger rubber in the foot pocket and strap results in a much firmer and more secure fit, alleviating the need for time-consuming buckle adjustments.

consuming buckle adjustments.

Close attention to product detail and quality, with the opportunity for interaction, discussion and customization (durometer specifications, colors) with the developers. This is a new promise toward user satisfaction absent in the entire fin market.



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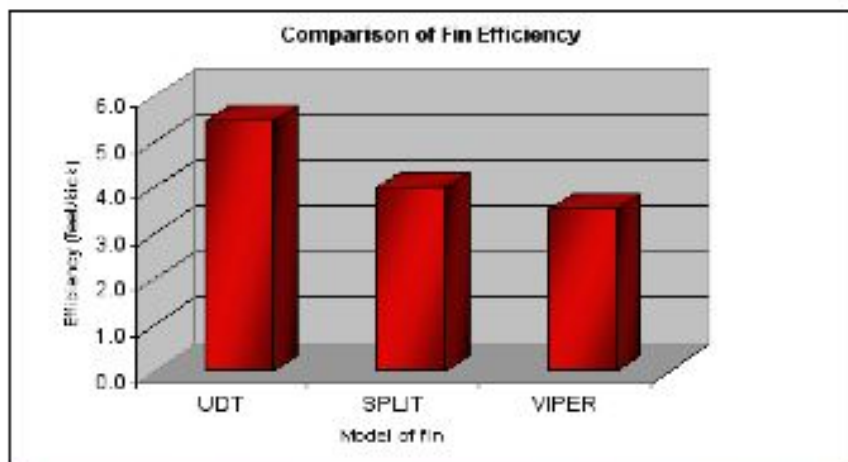
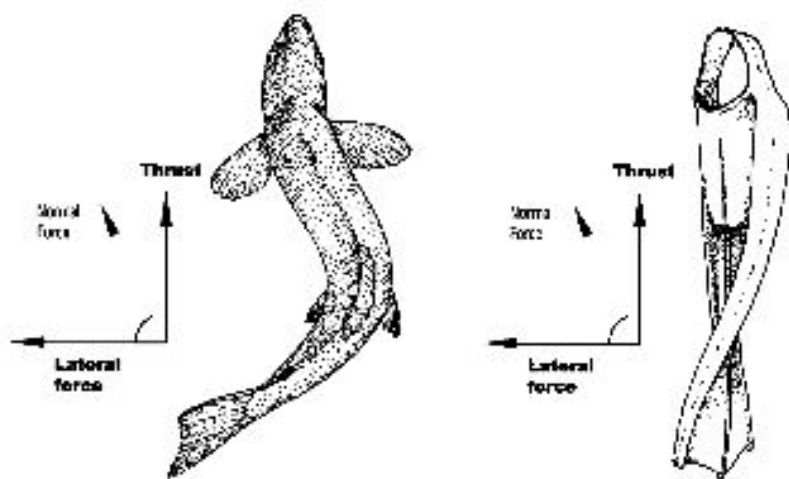
  
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**THE TRUTH:**

The truth is that there will always be great spatiotemporal variability and complexity in the environment and therefore, equally diverse needs. The aforementioned realms of relevancy (warfare, diving, life-saving, big wave bodysurfing) where this time- and battle-tested product have been proven are well documented. We are honored to re-introduce the coveted UDT DUCK FEET - now with greatly improved fin performance and an even more enhanced user experience.



**Fin Efficiency Comparison  
Efficiency Index:**

Fin Kicks/30 feet (feet/kick)  
UDT 5.5 5.455  
SPLIT 7.5 4.000  
VIPER 8.5 3.529

UDT vs SPLIT  $= (UDT - SPLIT) / SPLIT$  0.364

UDT vs VIPER  $= (UDT - VIPER) / VIPER$  0.545

**Conclusions:**

In this study...

**Conclusions:**

**In this study....**

The UDT fin was 36.4% more efficient\* than the SPLIT fin.

The UDT fin was 54.5% more efficient\* than the VIPER fin.



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## Voit Duck Feet



## Voit UDT



The Voit UDT Duck Feet (Underwater Demolition Team model) and the Voit Duck Feet (Custom model) are both back and improved. More attention has been given to not just the material but specific loading of the material making these fins the most responsive and powerful to date.

The UDT Duck Feet have always been one of the most sought after fins in the water professional's arsenal. UDT Duck Feet are not only a favorite of the Navy SEALs, but have long been recognized by the most serious big wave riders, lifeguards, and divers (skin and SCUBA) as the fin of choice. The UDT Duck Foot is swifter and more powerful than most dive fins, and still delivers greater power and performance relative to smaller surfing fins. With its return to availability, and its improved construction, this fin should soon be finding its way into all serious life-saving avenues namely, surf rescues, open ocean rescues, and it may be the ideal swift-water rescue fin.

Duck Feet have always been the perennial favorite of lifeguards for their daily routine rescues. The smaller swift fin is also a favorite for life-saving activities in average conditions. It has always been a wonderful fin for bodysurfing. Custom Duck Feet are also excellent skin-diving fins.

**Voit®**

Water rescue...  
The Custom Duck Feet have always been the preferred choice for...  
ideal for rapid swimming and life-saving activities in average...  
bodyboarding, and other wave riding methods. Custom Duck Feet are...

# Voit®

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***George Greenough's thickness, taper and flex modifications to new Voit UDT fins, October 2003***  
*photos courtesy of Warren Pfeiffer*

  
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