



# RoboPike Fact Sheet

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**Fork Length:** 32 inches

**Displacement:** 8 pounds

## Materials

### Nose

Nose cone: fiberglass  
Compartment wall: delrin  
Electronics:  
Onset model 8 computer (68332)  
digital wireless modem  
Dc-Dc converter

### Mid Section

Spiral Skeleton: fiberglass  
Pectoral fins: RTV silicon rubber  
Actuator housings and linkages (backbone): delrin  
Sealant: gasket material and epoxy resin  
Inner housing cables: stainless steel  
Cable housing: peek tubing  
Dorsal and anal fins: RTV silicon rubber  
Power source: RTV coated NiCd batteries

### Tail Section

Spiral Skeleton: fiberglass  
Tail linkages and pulleys: delrin  
Pulley cables: 1/64 inch stainless steel aircraft cable  
Caudal fin: wooden laminate with surface of epoxy

### Skin

latex lycra and steel mesh

### Flotation

PVC foam

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