

Dexter Labs Whippet Rocket Kit Features

- Specifically designed for the Dexter Labs mini-hybrid motor
- Altimeter deployment – ideal for use with the Altus Metrum Easy Mini, Stratologger CF or Eggtimer Apogee altimeter and thin-mil parachute (18-24"). This kit is not intended for use with motor deployment!
- Robust components to handle the heavier mini-hybrid motor
- High fineness ratio airframe – helps keep the CG forward with the heavier motor
- Extended stump tail
 - Provides for an alternative motor retention method
 - Provides impact protection to the fin can
 - Serves as an igniter lead anchor mandrel
- Near minimal diameter for low drag
- Low launch weight to showcase the mini-hybrids capabilities
- Tri-fin molded fin can, far more durable than glued-on balsa
- Molded nose cone
- Unique wire motor retention
- Kevlar and elastic shock cord
- Rocket diameter = 1.18" (30 mm)
- Rocket length = 34.5" (87.6 cm)
- Rocket weight = 3.7 oz (105 gm) to 4.2 oz (120 gm) depending on finish
- Coefficient of drag = 0.5 (estimated)
- Rocket CP = 28" (71.1 cm)
- Approximate launch weight = 9.2 oz (260 gm) to 9.7 oz (275 gm)
- Approximate launch CG = 23" (58.4 cm)
- Design motor = 1" diameter Dexter Labs lightweight mini-hybrid using bag-paper fuel w/ 16 gm N₂O whip cream charger oxidizer, E class.
- Inexpensive to fly, about \$2 to \$3 per flight
- Typical peak altitude = 900-1500' (275-457 m)
- Skill level 3 (some tube cutting required but otherwise easily assembled)



A completed Dexter Labs Whippet kit shown with a lightweight cased mini-hybrid motor